C 23635

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MTN.	A-4		08-20-74
OPERATOR		**CONTRACTOR**	**RIG NO.**
AMOCO CANADA LTD		LOFFLAND BROTHERS COMPANY	72
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
H.E. Spratt		A. Loffland	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PARL–P COM D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800				REMOVE SWACO CHOKE FROM MANIFOLD.
				CLEAN & FLUSH MANIFOLD, CHOKE UNIT.
				SPOT CAMP BUILDINGS AT AIR STRIP
				WASH & CLEAN CREW VEHICLE FOR BARGE
1800	10	1		TRANSPORT

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL–S PARL–P COM D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PARL–P COM D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


SEP 4 1974
YELLOWKNIFE, N.W.T.

C 23634

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MTN	A-4		08-12-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE: H.E. Sylvester

SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1 32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1800	10	1	TEAR OUT CAMP

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PARL.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


SEP 4 1974
YELLOWKNIFE, N.W.T.

C 23633

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
PRINTED 1/84	A-4		OCT 16-74
OPERATOR	CONTRACTOR		RIG NO.
AMOCO CANADA LTD.	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
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23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PARL–P COM–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	2000	12	1	TEAR OUT CAMP

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL–S PARL–P COM–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PARL–P COM–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
AUG 29 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23632

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Pantel Min	A-4		04-11-79
OPERATOR		CONTRACTOR	RIG NO.
AMOCO CANADA LTD		LOFFLAND BROTHERS COMPANY	72
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B. GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COMP.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900			1	LOAD OUT TRUCKS WITH CAROUSEL, MATTING, HOWS, 6,0 EQUIP, SWACO CONTROL, TOOL PUSHERS TRAILER, PLANKS, HEATING DUCTS, FULL OIL BARRELS, TIE DOWN FURNITURE IN DOG HOUSE
1000	12			

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B. GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PARL.-P COMP.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				OIL
				BBLS. INVENTORY OF FULL SEALED BARRELS
				AT TIME OF HEADING
				MOTOR OIL 68 ZG SERVO 68 15
				CHAIN OIL PENTAMUL 68 15
				" 92 4
				GEAR LUB 80 5 TOTAL 42

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B. GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COMP.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

C 23631

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Pooled Mtn	4-4		08-16-24
OPERATOR	**CONTRACTOR**		**RIG NO.**
AMOCO CANADA LTD	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.		
	BIT	FT.
	STB RMR OD	FT.
	D.C. ID OD	FT.
	STB RMR OD	FT.
	D.C. ID OD	FT.
	STB RMR OD	FT.
	STANDS DP	FT.
	SINGLES DP	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1 32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	2000	12		PULL APART BTM & TOP SECTIONS AND LOAD TRUCKS OUT WITH SAME. LOAD OUT JUNK RACK & CATWALK. LOAD OUT SUB SPREADERS & AT60 CUTS RACK. STACK ALL PIPES FOR LOADING & GENERAL LEASE CLEAN-UP

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.		
	BIT	FT.
	STB RMR OD	FT.
	D.C. ID OD	FT.
	STB RMR OD	FT.
	D.C. ID OD	FT.
	STB RMR OD	FT.
	STANDS DP	FT.
	SINGLES DP	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR.FL.-P COM.D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.		
	BIT	FT.
	STB RMR OD	FT.
	D.C. ID OD	FT.
	STB RMR OD	FT.
	D.C. ID OD	FT.
	STB RMR OD	FT.
	STANDS DP	FT.
	SINGLES DP	FT.
	KELLY DOWN	FT.
	TOTAL	FT.
	WT. OF STRING	LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1 8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23630

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		**CONTRACTOR** LOFFLAND BROTHERS COMPANY	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.–SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/ / /
	D.C. ID OD	FT.	SER. NO.		GELS.	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	/ /	MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD–PSI	/ /	TYPE AMT. TYPE AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.EL–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	2200	14	1	Rig up Brinkerhoff Rig #29 Spudded in @ 0400 hrs. Ran 8 jts 8 5/8" surface csg. Set @ 320' KB. Cmtd w/ 200 sx Class H w/ 2% CaCl. Plug down @ 0730 hrs. Circ 10 sx to pit. WOC. Cut off csg. Weld on head. NU BOP. Test BOP & surface csg to 1000 psi. Drill cmt & shoe. Drill 7 7/8" hole to 2200'.

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.–SEC.	
	STB RMR OD	FT.	JET 1/32"		PV/YP	/ / /
	D.C. ID OD	FT.	SER. NO.		GELS.	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	/ /	MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD–PSI	/ /	TYPE AMT. TYPE AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.EL–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	2200	14	1	Rig up Brinkerhoff Rig #29 Spudded in @ 0400 hrs. Ran 8 jts 8 5/8" surface csg. Set @ 320' KB. Cmtd w/ 200 sx Class H w/ 2% CaCl. Plug down @ 0730 hrs. Circ 10 sx to pit. WOC. Cut off csg. Weld on head. NU BOP. Test BOP & surface csg to 1000 psi. Drill cmt & shoe. Drill 7 7/8" hole to 2200'.

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.–SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/ / /
	D.C. ID OD	FT.	SER. NO.		GELS.	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	/ /	MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD–PSI	/ /	TYPE AMT. TYPE AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.EL–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23629

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		**CONTRACTOR** LOFFLAND BROTHERS COMPANY	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
AUG 29 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23628

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Ruth M Ed	4-H	15-25-Ka-30-102-025	5-13-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
W. Schultz	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STD. RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	
	D.C. ID OD	FT.	SER. NO.		GELS.	
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	2000	12	1	Tech on + Service & Clean up Lease Un Rock Dumpster Lead Line Light Plant & Lay Pressure Surging

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JET 1/32"		PV/YP	
	D.C. ID OD	FT.	SER. NO.		GELS.	
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	2000	12	1	Take Down Kelly Hose Bit Pumps etc for or Carpenters Shop Cut Conductor

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	
	D.C. ID OD	FT.	SER. NO.		GELS.	
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6

APPROVED

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
AUG 23 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

EDMONTON
NORTHERN AREA
AUG 15 1974
AS
AF-1
AF-2
AE
PF
AAS
AAAS
FMS
File No.
ACTION REQUIRED
Assigned to:
Assignment No:
Date Answered:

C 23627

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COM.–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0700	1000	12	1	

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COM.–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0700	2000	12	1	

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COM.–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23626

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Boyd	A-4	0-65-60-30-125-145	5-11-79

OPERATOR	CONTRACTOR	RIG NO.
Pitco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
W. Schultz	J. H. Tisdale

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

FOOTAGE FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800				Rig out floor + lay derrick down. Winterize Compounds.
	1000	12	1	

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

FOOTAGE FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800				Move out shale shakers, mud tanks, water tank + Laydown.
	2000	12	1	Take down electrical lines.

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

FOOTAGE FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23625

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Saunders NW	A-4	A-53-10-30-12-2-241	8-10-24

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Inc.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
H Shultz	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

MORNING TOUR

FOOTAGE FROM / TO | DR..D RM-R CORE..C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'L.-P COM'D.-C

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0000				Rig out of Dun Lands. Weather + Wind
				Lines. Find out Loc Check Pits.
	3000	12	1	Rig up Ramon Lease.

DRILLER [illegible]

DAY TOUR

FOOTAGE FROM / TO | DR..D RM-R CORE..C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'L.-P COM'D.-C

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0000				Rig out of Dun Lands. Weather + Wind
				+ Surface lines.
				Load equip. Loc Pits.
	3000	12	1	Rigging Heaters for the Night.

DRILLER [illegible]

EVENING TOUR

FOOTAGE FROM / TO | DR..D RM-R CORE..C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PAR'L.-P COM'D.-C

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23624

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTER RCH	A-4	A 55-(0-30-153-24	2-9-72
OPERATOR	**CONTRACTOR**		**RIG NO.**
Atoco Texaco Ltd.	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		
M. Clift	J. H. Fisher		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD: SIZE | NO. LINES | FT. SLIPPED | FT. CUT OFF | PRESENT LENGTH | TON MI. OR TRIPS SINCE LAST CUT | CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN		8	4
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS		8	4

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
		FT.	SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P ARTEL.-A COMP.-C

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1700	9		CLEAN OUT MUD TANKS.
1700	2000	3		RINSING OUT MUD TANKS. + LOW PAES HAUL LINES.

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
		FT.	SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR.-P ARTEL.-A COMP.-C

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1800	1/2		RIG OUT MUD TANKS + SUCTION LINES

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
		FT.	SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P ARTEL.-A COMP.-C

DEVIATION RECORD: DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23622

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP			
GELS			
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6	F	Flow Well
0600	0800	2	F	Tool Jt = Round (rig) 100 ft (= drill) 125 ft

DRILLER

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP			
GELS			
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.–S PAR'L–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0700	1100	4	F	Flow Well & Found out pump Fluid end is
1100				Equipment Repair
1100	1600	5	F	Starting out Pump Hse Preparing
				Well Shut in 1000 psi Casing 700 psi
				Ran Bleed off 1000 psi Tog Opened
				Well Flowing

DRILLER

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP			
GELS			
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2000	4	F	Finish Starting out Pump Hse Preparing
2000	2400	4	F	Pump + Clean Mud Tanks

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23623

DAILY DRILLING REPORT

REPORT NO.

LEA	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N	2		
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L	3	8	4
G. Kill Fluid	3		
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L.–P COM'D–C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L.–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	1810	06	F	SHUT IN & RECORD SURFACE PRESSURE @
			F	175 PSI
1410	1600	2	F	FLOW WELL TO P.S.D. NIL

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L.–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


AUG 23 1974
YELLOWKNIFE, N.W.T.

C 23621

DAILY DRILLING REPORT

REPORT NO.

LEA	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR LOFFLAND BROTHERS COMPANY	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN SCL–S PAREL–P COMP.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN SCL–S PAREL–P COMP.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	S.P.M.	PUMP NO. LINER SIZE	S.P.M.	METHOD RUN SCL–S PAREL–P COMP.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24130

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Powell Ltd	A-4	42-165-30-00-00	10-5-74

OPERATOR	CONTRACTOR	RIG NO.
Mesa Comm Ltd	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
J. Howe	Robert Rushing

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION Powell Ranch 465

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER							

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

MORNING TOUR

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS	½		
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS	8	4	8
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8½	4	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
	BIT		FT.
	STB		
	RMR OD		FT.
	D.C. ID OD		FT.
	STB		
	RMR OD		FT.
	D.C. ID OD		FT.
	STB		
	RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0230	½		Tear out Setting Jo
0230	0345	2¼		Rig to Run Tbg Hang Pipe Tags
0345	0945	6		Pull out Tbg Pipe Rabbit
0945	1245	3		Make up Tail Pipe Retainer
1245	1600	3¼		

DRILLER

DAY TOUR

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
	BIT		FT.
	STB		
	RMR OD		FT.
	D.C. ID OD		FT.
	STB		
	RMR OD		FT.
	D.C. ID OD		FT.
	STB		
	RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1		Rig up to Run Tubing
				Run Tubing Tag Fill
				4 Rotor Heads

DRILLER

EVENING TOUR

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
	BIT		FT.
	STB		
	RMR OD		FT.
	D.C. ID OD		FT.
	STB		
	RMR OD		FT.
	D.C. ID OD		FT.
	STB		
	RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1700	1900	2		Run Tbg Tag Fill
				Pull up to Top Perf
				4 Rotor Heads

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24129

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Pearce U.T.N.	N-4		11-4-74

OPERATOR	CONTRACTOR	RIG NO.
Pearce Comm. Ltd.	LOFFLAND BROTHERS COMPANY	92

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Burkhalter

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION: Pearce U.T.N. N-4

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	7						

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN		MUD & CHEMICALS ADDED		
	STANDS DP	FT.	COND. 1/8's T.B. GAGE		TYPE	AMT.	TYPE AMT.
	SINGLES DP	FT.	GPM/ PD–PSI	/			
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.EL.–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0715	1¼		Lay Down Heavy Wt. Kelly Rotate & Swivel
0715	0930	2		Lay Down Hevwt
0930	0945	1½		Lubricate Rig & Work Swivel
0945	1200	3		Remove Iron Set Slips (Tight)

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN		MUD & CHEMICALS ADDED		
	STANDS DP	FT.	COND. 1/8's T.B. GAGE		TYPE	AMT.	TYPE AMT.
	SINGLES DP	FT.	GPM/ PD–PSI	/			
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.–S PAR.EL.–P COM.D.C.
0600	1000			Turn Torque & Lay Down Drill Collars								
1000	1500			Pull Out Of Hole								
1500	1600			Run In Hole With Retrievable Bridge Plug								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1000	4		Turn Torque & Lay Down Drill Collars
1000	1500	5		Pull Out Of Hole
1500	1600	1		Run In Hole With Retrievable Bridge Plug

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN		MUD & CHEMICALS ADDED		
	STANDS DP	FT.	COND. 1/8's T.B. GAGE		TYPE	AMT.	TYPE AMT.
	SINGLES DP	FT.	GPM/ PD–PSI	/			
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.EL.–P COM.D.C.
1500	2000			Run Bond Log								
2000	2015			Fill Annulus w/ Mud								
2015	2045			Pressure Test Csg & Lub Hose To 4000 PSI								
2045	2220			Run Tbg Shoot & Cone Rupt. Disc 5719								
2220	2400			Run In w/ Baker Production Packer								

DRILLER

EVENING TOUR

DAY TOUR

MORNING TOUR

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

FORM 3T6

APPROVED

APPROVED

C 24128

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Reed McN	2-4	4 [illegible]	12-2-64

OPERATOR	CONTRACTOR	RIG NO.
Amoco Prod Co	LOFFLAND BROTHERS COMPANY	10

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

LEGAL LAND DESCRIPTION: Reed McN 2-4

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS	5	6	7½
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT	3		
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			9½
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0300	3	11	W.O.C.
0300	0800	5	11	Run Temperature Log

DRILLER [illegible]

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0300	0600	3	11	Run Temperature Log
0600	0800	2	11	Run Correlation Log

DRILLER [illegible]

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1630	1700	2	11	Run Correlation Log
1700	1900	2	11	Run Temperature Log
1900	2100	1	11	Run Temperature Log
2100	2330	2½	11	Run Correlated Log
2330	0400	½	21	Test Csg to 1000#

DRILLER [illegible]

FORM 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24127

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Painter Unit	A-4	43-55-1-2-123-UIS	01-3-74
OPERATOR	**CONTRACTOR**		**RIG NO.**
Pure Energy Ltd	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		
Roger Hauer	Al Rauhob		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	Emsco	D-100	11"
						2	Emsco	D-90	11"

LEGAL LAND DESCRIPTION: Painter Unit 43-55

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE | NO. LINES | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	2½	1½	
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT	5	1	
13. WAIT ON CEMENT			24
14. NIPPLE UP B.O.P.			24
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Other	11	11	24
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	24	24	24

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/		/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0300	3	12	Run Csg
0300	0400	1	5	Circ Hole @ 1050'
0400	0700	3	12	Run Csg
0700	0830	1½	21	Break Circ W/ 150 PSI
0830	0900	1½	5	Circ Hole

DRILLER

DAY TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
							900	5½	50			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	0930	1½	5	Circ Hole
0930	1000	½	5	Rig Up Csg Head
1000	1030	½	12	Run Csg Between Sunday Lows
1030	1500	4½	12	Run Csg Between Sunday Lows
1500	1530	½	5	Circ Hole
1530	1545	¼	5	Circ Hole
1545	1600	¼	5	Circ Hole

DRILLER

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	2	11	Trip Out For Bit - To Cut Drlg Line
1700	1930	1½	11	Trip In Hole With Bit
1930	2000	½	21	Cut Drlg Line
2000	2145	¾	14	Pick Up Bit - Drill Rat Hole
2145	2400	3¼	13	Wait On Cement

DRILLER

Form 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24126

DAILY DRILLING REPORT

REPORT NO.

LE	WELL NO.	API WELL NUMBER	DATE
Rocco M T N	A-4	05-10-BC-122-045	06-1-71

OPERATOR	CONTRACTOR	RIG NO.
Atoco Comm Ltd	LOFFLAND BROTHERS COMPANY	42

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION: Rocco Mountain A-55

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9⅝						820

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS				

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. T/B's T/B GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0100	1		Finish Laying Down Drill Pipe
0100	0230	1½		Lay Down Drill Collars
0230				Break Kelly Cut & Pull Cock Saver Sub & Bypass Valve
	0330	1		
0330	0400	½		Rig Up & Run Casing
0400	0500	1		Change Over To 7" Rams
0500	0600	1		Rig Up To Run Csg

DRILLER

DAY TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1400	2		Rig Up To Run Csg & Run 7" Csg
1400	1600	2		

DRILLER

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2000	4		Rig Up Csg
2000	2215	2¼		Run Csg
2215	2315	1		Circ Hole & Cond Mud
2315	2400	¾		Run Csg

DRILLER

C 24125

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Ranger Unit	A-4	42-065-10-30-02-045	07-21-74
OPERATOR	**CONTRACTOR**		**RIG NO.**
Amoco Production Co.	LOFFLAND BROTHERS COMPANY		12
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		
T. Lee H. Smith	Al Burkhalter		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8"	4½ H	1	1	Emsco	D-360	16"
5"	19.50	E	6 5/8"	4½ H	2	2	Emsco	D-360	16"

LEGAL LAND DESCRIPTION: Ranger Mountain A-65

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	7"						8214

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE	5		
6.	TRIPS	2½		
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.	OTHER	½		
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8		

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	6¾	FT.
1	8" Sub	2.64	
1	STB RMR OD	29.76	FT.
1	D.C. ID 2¼ OD	30.92	FT.
1	STB RMR OD	2.17	FT.
11	D.C. ID 2¼ OD	320.13	FT.
	STB RMR OD		FT.
1	Sub	2.50	
194	STANDS DP		FT.
1	SINGLES DP	1132.11	FT.
	KELLY DOWN	33.60	FT.
	TOTAL	1239.60	FT.
WT. OF STRING	265,000		LBS.

BIT RECORD

BIT NO.	#2		
SIZE	6¾		
MFG.	Sec		
TYPE	H88		
JETS 1/32"	18	18	18
SER. NO.	418CM		
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T.B. GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME	7	0330	0900
WEIGHT	8.8	10.2	10.2
PRESSURE GRADIENT			
VISC.-SEC.	28	100	42
PV/YP	1/1	1/1	1/1
GELS.	0/0	1/1	1/1
WL -CC'S	6		
pH		9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	50	Lbs	
Gel	100	Lbs	

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D-C
12221												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0230	2½	1	Run in w/bit
0230	0500	½	21	Ream Tight Hole & Work To Btm
0500	0600	5	5	Circ. Hole Condition Mud

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	6¾	FT.
1	8" Sub	2.64	
1	STB RMR OD	29.76	FT.
1	D.C. ID 2¼ OD	30.92	FT.
1	STB RMR OD	2.17	FT.
11	D.C. ID 2¼ OD	320.13	FT.
	STB RMR OD		FT.
1	Sub	2.50	
194	STANDS DP		FT.
1	SINGLES DP	1132.11	FT.
	KELLY DOWN	33.60	FT.
	TOTAL	1239.60	FT.
WT. OF STRING	265,000		LBS.

BIT RECORD

BIT NO.	#2		
SIZE	6¾		
MFG.	Sec		
TYPE	H88		
JET 1/32"	18	18	18
SER. NO.	418CM		
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T.B. GAGE			
GPM/ PD-PSI	220		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D-C
12326								5½		5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0140	300	5	5	Circ & Condition Mud
300	1400	1		Hoist To 10,900
1400	1600	2		Lay Down Pipe

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T.B. GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D-C
600				Lay Down								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1800	2		Lay Down Pipe
1800	24	4		Lay Down Drill Pipe

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24124

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Powers Mountain	A-4	A-55-16-3E-132-C-45	7-30-94

OPERATOR	CONTRACTOR	RIG NO.
Amoco Chemical LTD	LOFFLAND BROTHERS COMPANY	74

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
H. Hunt	Al Lockhart

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.5#	E	6 3/4	4 1/2 IF	1	1	Ensco	D-1000	16"
5"	19.5#	E	6 1/4	4 1/2 H	2	2	Ensco	D-900	11"

LEGAL LAND DESCRIPTION Powers Mountain A-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8						824'

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	3/4	6	
6. TRIPS	5	24	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE	3/4		
10. DEVIATION SURVEY			
11. WIRE LINE LOGS	3/4	3	
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.	3/4		1/4
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	5	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 8 3/4	.50 FT.	BIT NO.	4B	TIME				
1	Bit Sub	2.64	SIZE	8 3/4	WEIGHT				
1	STB RMR OD	29.76 FT.	MFG.	SEC	PRESSURE GRADIENT				
1	D.C. ID 2 1/2 OD	30.27 FT.	TYPE	DFFF	VISC.-SEC.				
1	STB RMR OD	2.67 FT.	JETS 1 32"	18 18 18	PV/YP	/	/	/	
19	D.C. ID 2 1/2 OD	591.13 FT.	SER. NO.	4A6194	GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
1	C/O	2.50	DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
120	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
1	SINGLES DP	1162.15 FT.	GPM/ PD.-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	32.14 FT.							
	TOTAL	1932.60 FT.							
WT. OF STRING	265,000 LBS.								

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARAL.-P COM.-C
12320												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0045	3/4	11	Run Dir. Survey Log
0045	0130	3/4	21	Rig o.t. Sandline Repair
0130	0215	3/4	9	Slip & Cut Drilling line
0215	"		6	Run in w/Bit Break Circ @ 5000
0715	0800	3/4	5	Circ Hole
				DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 8 3/4	.50 FT.	BIT NO.	4B	TIME	2400	1.0	2400	
1	Bit Sub	2.64	SIZE	8 3/4	WEIGHT	10.1	10.1	10.15	
1	STB RMR OD	29.76 FT.	MFG.	SEC	PRESSURE GRADIENT				
1	D.C. ID 2 1/2 OD	30.27 FT.	TYPE	MFDF	VISC.-SEC.	110	46	40	
1	STB RMR OD	2.67 FT.	JET 1/32"	18 18 18	PV/YP	/	/	/	
19	D.C. ID 2 1/2 OD	570.5 FT.	SER. NO.	4B5094	GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
1	C/O	2.50	DEPTH IN		pH	9.5	9.5	9.5	
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
120	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
1	SINGLES DP	1162.15 FT.	GPM/ PD.-PSI	230 /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	33.67 FT.							
	TOTAL	1932.60 FT.							
WT. OF STRING	265,000 LBS.								

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PARAL.-P COM.-C
12326							600	5	52			S
								5	52			P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	1100	2	6	Trip out to Log.
				Run Dip meter Log
				Rig o.t. Sandline Repair
1615	1645	1/2	6	Run in w/Bit
1400	1600	2	6	Trip out to Log.
				DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD.-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PARAL.-P COM.-C
12326												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1900 ?	4							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	2215	3 1/4	11	Run Dip meter Log
2215	2230	1/4	21	Rig out Sandline Repair
2230	2400	1 1/2	6	Run in w/Bit
				Trip out to Log.
				DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24123

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
PAINTED	A-4	A-55-10-30-123 W 45	7/23/74

OPERATOR	CONTRACTOR	RIG NO.
Amoco	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE: K Lutz

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Al Lusher

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E+G	6 1/4	4 1/2 IF		1	Emsco	D-110	12
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION: NMC

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8						320

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS	E	R	E
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		E	F	E

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME	6	
			SIZE		WEIGHT	9	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	6	V
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	6	
	STB RMR OD	FT.	JETS 1 32"		PV/YP	11	/ /
	D.C. ID OD	FT.	SER. NO.		GELS.	W	/ /
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	6	
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.			NIL	V	
	TOTAL	FT.					
WT. OF STRING		LBS.					

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/ /	
	D.C. ID OD	FT.	SER. NO.		GELS.	/ /	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME	C.R. Tour	
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/ /	
	D.C. ID OD	FT.	SER. NO.		GELS.	/ /	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
0326												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0630	6 1/2	11	DUAL INDUCTION
0630	0800	1 1/2	11	SCENIC C.R. CALIPER

DRILLER: [illegible]

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
0326												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	Hrs	8	11	B.H.C. Sonic Variable Density & Dip Meter

DRILLER: [illegible]

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
0326								5½		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	Hrs	8	11	Run Dir Meter Log
				Check B.O.P.'s.

DRILLER: [illegible]

Form 3T6

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24120

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
POWELL	A-4	A-55-60-30-123 W45	7/26/74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE: W White

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A Cushman

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E-G	6 1/4	4 1/2 IF		1	EMSCO	D-1000	18
						2	EMSCO	D-700	16

LEGAL LAND DESCRIPTION: 20/C

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		40 N-80				9210
			43 S-95				
			47 S-95				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF		PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE		2	3
6. TRIPS	5	5 1/2	2
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			1/4
11. WIRE LINE LOGS	3		
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.		3/4	1/4
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	7

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD: 147

CUMULATIVE ROTATING HRS.:

TOTAL MUD COST: 112,835.37

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 1/2	.80	FT.
1	B. S.	2.84	
1	STB RMR NEW OD	29.76	FT.
1	D.C. ID 6 1/2 OD	30.97	FT.
1	STB RMR 8 1/2 OD	2.67	FT.
19	D.C. ID 6 1/2 OD	590.63	FT.
	STB RMR OD		FT.
1	C/I	2.50	
42	STANDS DP		FT.
1	SINGLES DP	1162.19	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.,D RM.-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
12326												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0300	3	6	FINISH CUT & SLIP.
0300				RIG UP TO LOG & LOGGING, HIT BRIDGE @ 9250 & LAY DOWN LOGGING TOOLS
	0600	3	11	
0600	0800	2	6	RUN IN w/ BIT
				CHECK B.O.P.'s

DRILLER: [illegible]

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 1/2	.80	FT.
1	D.C. SUB	2.50	
1	STB RMR NEW OD	29.76	FT.
1	D.C. ID 6 1/2 OD	30.97	FT.
1	STB RMR 8 1/2 OD	2.67	FT.
19	D.C. ID 6 1/2 OD	590.63	FT.
	STB RMR OD		FT.
1	8 1/2 SW	2.50	
42	STANDS DP		FT.
1	SINGLES DP	1162.19	FT.
	KELLY DOWN	34.64	FT.
	TOTAL	1320.00	FT.
WT. OF STRING		272000	LBS.

BIT RECORD

BIT NO.	42
SIZE	8 1/2
MFG.	SEC
TYPE	M44F
JETS 1/32"	10 14 14
SER. NO.	492CM
DEPTH OUT	12320
DEPTH IN	11204
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	26 SK		
CELEX	10 LBS		
CAUSTIC	HSK		

FOOTAGE

FROM	TO	DR.,D RM.-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
12326							1350	6 1/2	48			5
										6 1/2		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800				RUN IN & REMOVE RUBBER CAPPING PROTECTOR, FLUSH
	1100	3	6	THROUGH BRIDGE @ 9240 (w/ FW)
1100	1145	3/4	5	UNPLUG BIT & WASH TO BOTTOM FROM 12,270 TO 12,320
1145	1345	2	5	CIRC & CONDITION MUD.
1345	1600	2 1/4	6	DROP MULTI SHOT & DUMMY TRIP INTO CASING
				CHECK B.O.P.'s

DRILLER: [illegible]

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	2000		
WEIGHT	10.3		
PRESSURE GRADIENT			
VISC.-SEC.	83		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	6 SKS		
CELEX	2 LBS		

FOOTAGE

FROM	TO	DR.,D RM.-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
12326								5 1/2				5
										5 1/2		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1745	1 3/4	10	RELEASE MULTI-SHOT SURVEY
1745	1845	1	6	RUN IN
1845	1100	2 1/2	5	BREAK CIRC WASH B.T.
1100	2145	2 3/4	5	CIRC & CONDITION MUD
2145	2400	2 1/4	6	TRIP OUT TO LOG & SLM.
				Strap pipe 12,326.78 Change T.D. To 12326. Tally 12,320.

DRILLER: [illegible]

Form 3T6

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24122

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
PAINTED	A-4	8-55-60-30-123 11645	7/22/74

OPERATOR	CONTRACTOR	RIG NO.
Amoco	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
W. L. [illegible]	A. Cuckler

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E-75	6 1/4	4 1/2 IF		1	Emsco	D-1000	12
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION: NMPM

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8						3210

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	3½		
6. TRIPS	4½	14	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. [illegible]RE LINE LOGS		6½	
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	9	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 9 7/8	.80 FT.	BIT NO.	4J	TIME	0130	0330
1	B. S.	2.84	SIZE	9 1/2	WEIGHT	10.2	10.2
1	STB RMR NMDC OD	29.76 FT.	MFG.	Sec	PRESSURE GRADIENT		
1	D.C. ID 2 1/2 OD	30.97 FT.	TYPE	M88	VISC.-SEC.	90	92
1	STB RMR 9 1/2 OD	2.67 FT.	JETS 1/32"	15 15 15	PV/YP	/	/ /
18	D.C. ID 2 1/2 OD	590.43 FT.	SER. NO.		GELS.	/	/ /
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	9.6	8.6
1	C/O	2.50	DEPTH IN	12326	pH	10.0	10.0
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
124	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
1	SINGLES DP	11639.19 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	33.64 FT.			BARITE	30-SK	
	TOTAL	12326.00 FT.					
WT. OF STRING	270000 LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/ /
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/ /
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/ /
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/ /
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCHL-S PARFL-P COMPX-C
12326												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0330	3½	5	CIRC. & COND. MUD FROM 12326
0330	0800	4½	6	TRIP OUT TO LOG
				CHECK B.O.P.'S

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCHL-S PARFL-P COMPX-C
12326								5½		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0915	1¼	6	Finish Out To Log.
0915	1600	6¾	11	Rig Up To Log & Run DIFL, SNP, LDT-CNL-GR, Cal. INTERLOG 12316-8203

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCHL-S PARFL-P COMPX-C
12326												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8	11	Logging Run - Formation Density Compensated
0000	0600	6	11	Dual Induction Log. 12316 - 8203.

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24121

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Pennzoil	A-4	A-55-60-30-123 at 45	9/27/74

OPERATOR	CONTRACTOR	RIG NO.
Pennzoil	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
K. W. Lee	Al Buckley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5½	19.50	E-75	6 7/4	4½ IF		1	Emsco	D-1000	18
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION N/C

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8						3210

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING		12	
4. CORING			
5. CONDITION MUD & CIRCULATE		3	7
6. TRIPS	5	2	1
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS	3		
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.		4	
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	149		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST	113,361.03		

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 9 7/8	180	FT.
1	B/S	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID 2 1/2 OD	309.97	FT.
1	STB RMR OD	3.67	FT.
19	D.C. ID OD	590.63	FT.
	STB RMR OD		FT.
1		2.50	
124	STANDS DP		FT.
1	SINGLES DP	1162.58	FT.
	KELLY DOWN	34.64	FT.
	TOTAL	12326.00	FT.
WT. OF STRING	270000		LBS.

BIT RECORD			
BIT NO.	42		
SIZE	9 7/8		
MFG.	Sec		
TYPE	M88		
JETS 1 32"	16 16 16		
SER. NO.	488699		
DEPTH OUT			
DEPTH IN	12326		
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD--PSI			

MUD RECORD			
TIME	0130		
WEIGHT	10.2		
PRESSURE GRADIENT			
VISC.-SEC.	47		
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.			
pH	10.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 9 7/8	180	FT.
1	B/S	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID 2 1/2 OD	309.97	FT.
1	STB RMR OD	3.67	FT.
19	D.C. ID 2 1/2 OD	590.63	FT.
	STB RMR OD		FT.
1	7/8	2.50	
124	STANDS DP		FT.
1	SINGLES DP	1162.58	FT.
	KELLY DOWN	34.64	FT.
	TOTAL	12326.00	FT.
WT. OF STRING	270000		LBS.

BIT RECORD			
BIT NO.	42		
SIZE	9 7/8		
MFG.	Sec		
TYPE	M88		
JETS 1 32"	16 16 16		
SER. NO.	488699		
DEPTH OUT			
DEPTH IN	12326		
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD--PSI			

MUD RECORD			
TIME	1300		1500
WEIGHT	10.2		10.3
PRESSURE GRADIENT			
VISC.-SEC.	54		65
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.			
pH	10.0		10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	24		
CELEX	5 SKS		
CAUSTIC	2 SKS		

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT	180	FT.
1	B.S.	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID OD	309.97	FT.
1	STB RMR OD	3.67	FT.
19	D.C. ID OD	590.63	FT.
	STB RMR OD		FT.
1		2.50	
124	STANDS DP		FT.
1	SINGLES DP	1162.58	FT.
	KELLY DOWN	34.64	FT.
	TOTAL	12326.00	FT.
WT. OF STRING			LBS.

BIT RECORD			
BIT NO.	42		
SIZE	9 7/8		
MFG.	Sec		
TYPE	M88		
JETS 1 32"	16 16 16		
SER. NO.	488699		
DEPTH OUT			
DEPTH IN	12326		
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD--PSI			

MUD RECORD			
TIME	1700	2000	2300
WEIGHT	10.3	10.3	10.3
PRESSURE GRADIENT			
VISC.-SEC.	69	80	88
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.			
pH	10.0	10.0	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	34 SKS		
CELEX	14 LBS		

FOOTAGE FROM	FOOTAGE TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.--S PAR'EL--P COM'D--C
12326												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0330	3½	6	FINISH OUT W. S.L.M.
0330			11	RIG UP TO LOG & RUN INT TO 9550
				W/ SCHLUMBERGER & UNABLE TO WORK PAST
	1630	3		BRIDGE. PULL OUT TO RUN IN W/ BIT.
0630	0800	1½	6	MAKE UP BIT #42 & RUN IN TO
				S.L.M. 12326
				FOUND 12320
				CORR. 6'

DRILLER

FOOTAGE FROM	FOOTAGE TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.--S PAR'EL--P COM'D--C
C-6							1600	5½	50			5
								5½				5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

DAY TOUR

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0000	1000	2	6	Ran out T. to 1600
1000	1130	1½	5	Rig up Dresser 9600 & Wait Hour
1130	1215	¾	6	Finish Running In
1215	1230	¼	11	Run Cyc & W.F.G. 30 Tk. Fld
1230	1100	3½	5	Circ & Condition Mud.
				Checked B.O.P.'s.

DRILLER

FOOTAGE FROM	FOOTAGE TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.--S PAR'EL--P COM'D--C
12326												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

EVENING TOUR

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1745	1¾	5	Cont Circ Mud FROM 12326'
1745	1845	1	6	Running Tap IN TOP
1845	2400	5¼	5	Cont Circ Mud. FROM 12326'

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24119

DAILY DRILLING REPORT

REPORT NO. 146

LEASE	WELL NO.	API WELL NUMBER	DATE
Pauley Wm.	A-4	A-55-60-30-123-W45	7/25/74

OPERATOR	CONTRACTOR	RIG NO.
Fmcc	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
A. Hutt	Al Luckett

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5½	19.50	E-75	6¼	4½ IF	1	1	Emsco	D-100	18
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION — W/2

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9⅝		40 S-80				8310
		43 S-80				
		47 S-95				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1-9	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	9	8	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			5
6. TRIPS			3
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	9	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	112,538.23

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 8½	30 FT.	BIT NO.	42	TIME	2400	0300	0600
1	8/5	2.84	SIZE	8½	WEIGHT	10.2	10.2	10.2
1	STB RMR 8¼ OD	29.76 FT.	MFG.	Sec	PRESSURE GRADIENT			
1	D.C. ID 2½ OD	30.97 FT.	TYPE	M88	VISC.-SEC.	82	75	66
1	STB RMR 8¼ OD	2.63 FT.	JETS 1/32"	10 11 11	PV/YP	/	/	/
19	D.C. ID 6½ OD	570.63 FT.	SER. NO.	423694	GELS.	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.			
1	9/0	2.50	DEPTH IN	13204	pH	9.3	9.3	9.5
			TOTAL FTG.	71	SOLIDS %			
			TOTAL HRS. RUN	10				
104	STANDS DP	11573.46 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	31.27 FT.			CAUSTIC	2-50		
	TOTAL	12275.00 FT.						
WT. OF STRING	270000 LBS.							

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
12217	12275	D		58'	45	30	1750	5½	50	5½		S
							1350	5½	38			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0800	8	2	DRILL
				CHECK B.O.P.

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 8½	30 FT.	BIT NO.	42	TIME	0700	1300	1500
1	8/5	2.84	SIZE	8½	WEIGHT	10.0	10.0	10.1
1	STB RMR 8¼ OD	29.76 FT.	MFG.	Sec	PRESSURE GRADIENT			
1	D.C. ID 2½ OD	30.97 FT.	TYPE	M88	VISC.-SEC.	66	62	58
1	STB RMR 8¼ OD	2.63 FT.	JET 1/32"	10 11 11	PV/YP	/	/	/
19	D.C. ID 6½ OD	570.63 FT.	SER. NO.	423694	GELS.	/	/	/
1	STB RMR 8¼ OD	2.50 FT.	DEPTH OUT	13204	WL.-CC'S.			
			DEPTH IN	12204	pH	10.0	10.0	10.0
			TOTAL FTG.	116	SOLIDS %			
			TOTAL HRS. RUN	14				
124	STANDS DP	11573.46 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	21.73 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	33.64 FT.			Wt.Mat	105 sx		
	TOTAL	12320.00 FT.			Gel	8 sx		
WT. OF STRING	272000 LBS.				Gel-Lx	4 sx		

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
12275	12320	D		45'	45	30	1700	5½	50			S
										5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8	2	Drlg 8 = Hrs.
				Circ. f. T.O.O.H.

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 8½	30 FT.	BIT NO.	42	TIME	1730	1930	
1	8/5	2.84	SIZE	8½	WEIGHT	10.1	10.2	
1	STB RMR 8¼ OD	29.76 FT.	MFG.	Sec	PRESSURE GRADIENT			
1	D.C. ID 2½ OD	30.97 FT.	TYPE	M88	VISC.-SEC.	59	66	
1	STB RMR 8¼ OD	2.63 FT.	JETS 1/32"	10 11 11	PV/YP	/	/	/
19	D.C. ID 6½ OD	570.63 FT.	SER. NO.	423694	GELS.	/	/	/
1	STB RMR 8¼ OD	2.50 FT.	DEPTH OUT	12320	WL.-CC'S.			
			DEPTH IN	12309	pH	10.0	10.0	
			TOTAL FTG.	116	SOLIDS %			
			TOTAL HRS. RUN	18				
124	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	1625.19 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	33.64 FT.			Wt.Mat	105sx		
	TOTAL	12320.00 FT.			Gel	19sx		
WT. OF STRING	272000 LBS.				Gel-Lx	6sx		
					Wt-Lix	1sx		

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
12320								5½		5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2100	5	5	Circ + Condition Mud - Hole To Log.
2100				TRIP OUT TO LOG & RUN MULTI
				SHOT FROM 12320 TO 8200 @ 125'
	2400	3	6	WT. & S.L.M.

DRILLER

C 24118

DAILY DRILLING REPORT — REPORT NO. 26

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MESA	A-4	A-55-60-30-123 #145	7/24/74

OPERATOR	CONTRACTOR	RIG NO.
Amoco	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	R. Lueth

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E-75	6 1/4	4½ IF		1	Emsco	D-1000	18
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION — N/C

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9 5/8		40 K-55				2110
		43 N-80				
		47 S-95				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING	8	14	2
5. CONDITION MUD & CIRCULATE			
6. TRIPS		4	5½
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. W. O. B.			½
22. ReGun Cores		12	½
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	24	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD	147
CUMULATIVE ROTATING HRS.	2303½
TOTAL MUD COST	10628.64

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 9 7/16	.80	FT.
1	9/8	29.40	
1	STB RMR Tools OD	6.92	FT.
2	D.C. ID Subs OD	3.54	FT.
1	STB RMR Monel OD	29.76	FT.
20	D.C. ID 6¾ OD	621.60	FT.
1	STB RMR 9/0 OD	2.50	FT.
122	STANDS DP		FT.
1	SINGLES DP	11439.24	FT.
	KELLY DOWN	25.86	FT.
	TOTAL	12195.00	FT.
WT. OF STRING	269000		LBS.

BIT RECORD		
BIT NO.	RR 37	
SIZE	9 7/8	
MFG.	Christ	
TYPE	00 428	C-120
JETS 1 32"		
SER. NO.	FC3733	
DEPTH OUT		
DEPTH IN	12144	
TOTAL FTG.	51	
TOTAL HRS. RUN	13¾	
COND. 1/8's T. B. GAGE		
GPM/ PD-PSI	/	/

MUD RECORD			
TIME	2400	0300	0600
WEIGHT	10.2	10.2	10.2
PRESSURE GRADIENT			.530
VISC.-SEC.	63	63	66
PV/YP	/	/	37/55
GELS.	/	/	5/11
WL.-CC'S.			8.0
pH	9.5	10.0	10.0
SOLIDS %			10.5

MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.
GEL	15-SKS		
CELEX	6-LBS		
CAUSTIC	2-SKS		
X-PEL-G	3-SKS		

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
12166	12195	C	5	29'	65	16	1600	5½	53	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0800	8	4	CORING
				CHECK B.O.P.'S

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 9 7/16	.80	FT.
1	9/8	29.40	
1	STB RMR Tools OD	6.92	FT.
2	D.C. ID Subs OD	3.54	FT.
1	STB RMR Monel OD	.70	FT.
1	D.C. ID 6¾ OD	29.64	FT.
1	STB RMR 9/0 OD	29.76	FT.
20	D.C. ID 6¾ OD	621.60	FT.
1	STB RMR 9/0 OD	2.50	FT.
122	STANDS DP	11402.11	FT.
1	SINGLES DP	36.13	FT.
	KELLY DOWN	34.56	FT.
	TOTAL	12204.00	FT.
WT. OF STRING	269000		LBS.

BIT RECORD		
BIT NO.	RR 37	
SIZE	9 7/8	
MFG.	Christ	
TYPE	00-428	C-120
JET 1/32"		
SER. NO.	FC3733	
DEPTH OUT	12204	
DEPTH IN	12144	
TOTAL FTG.	60	
TOTAL HRS. RUN	13	
COND. 1/8's T. B. GAGE		
GPM/ PD-PSI	/	/

MUD RECORD			
TIME	0400		
WEIGHT	10.2		
PRESSURE GRADIENT			
VISC.-SEC.	65		
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.			
pH	10.0		
SOLIDS %			

MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
12145	12204	C	6	7'	65	16	1600	5½	53			S
										5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0300	0745	1 3/4	4	Coring
0745	1430	4 3/4	6	Trips
1430	1500	1/2	22	Ream 60' of Core - Service Rig & Check BOP

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT	.80	FT.
1	10.750	2.04	
1	STB RMR Monel OD	29.76	FT.
1	D.C. ID Subs OD	30.17	FT.
1	STB RMR Bumper OD	2.67	FT.
1	D.C. ID Subs OD	5 N.C. 63	FT.
1	STB RMR 9/0 OD	2.50	FT.
123	STANDS DP		FT.
1	SINGLES DP	11531.22	FT.
	KELLY DOWN	25.61	FT.
	TOTAL	12217.00	FT.
WT. OF STRING	270 000		LBS.

BIT RECORD		
BIT NO.	42	
SIZE	8 3/4	
MFG.	Smith	
TYPE	M4DS	
JETS 1/32"	16 16 16	
SER. NO.	693414	
DEPTH OUT	12204	
DEPTH IN	12204	
TOTAL FTG.	13	
TOTAL HRS. RUN	2	
COND. 1/8's T. B. GAGE		
GPM/ PD-PSI	/	/

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
12204	12217	C	7		45	30	1900	5½	48	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1130	½	6	Make Up Bit, Pick Up Stg. Check B.O.P.'s
1130	2130	5	6	Running In Hole Pick Up 14 Jts Drill Pipe
2130	2200	½	20	Ream T.B. From 12174 To 12204, 5' of Soft Fill
2200	2400	2	2	Drill

DRILLER

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

FORM 3T6 — APPROVED — APPROVED

C 24117

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Federal Unit	A-1	30-025-20-122 W42	7/22/74

OPERATOR	CONTRACTOR	RIG NO.
Amoco	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
K. Howard	Al Bushong

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E-G	6 5/8	4 1/2 IF		1	Emsco	D-1000	12
						2	Emsco	D-700	12

LEGAL LAND DESCRIPTION U/C

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		40 K-55				9210
			13 N-80				
			47 S-95				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	5¾		
3. REAMING			
4. CORING			5¾
5. CONDITION MUD & CIRCULATE			
6. TRIPS	1¾	6¼	1
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	½		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.		17¾	
22. W.T.B.			1¼
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	3	3	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8¾	.80	FT.
1	B.S.	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID 6½ OD	30.97	FT.
1	STB RMR 8½ OD	2.67	FT.
19	D.C. ID 6½ OD	570.63	FT.
	STB RMR OD		FT.
1	C/O	2.50	
122	STANDS DP		FT.
2	SINGLES DP	11.46.47	FT.
	KELLY DOWN	14.36	FT.
	TOTAL	12144.80	FT.

WT. OF STRING 260,000 LBS.

BIT RECORD

BIT NO.	41
SIZE	8¾
MFG.	Smith
TYPE	4 J S
JETS 1/32"	10 11 11
SER. NO.	MN772
DEPTH OUT	12144
DEPTH IN	12012
TOTAL FTG.	132
TOTAL HRS. RUN	18
COND. 1/8's T/B/ GAGE	2 B I
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0000	0330	T
WEIGHT	10.2+	10.2+	K
PRESSURE GRADIENT			I
VISC.-SEC.	64	62	P
PV/YP	/	/	P/
GELS.	/	/	I/
WL -CC'S.			N
pH	10.0	10.0	G
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	10-sk		
Gelex	4-sk		

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 0	.80	FT.
1	Cor-Hd	64.40	
1	STB RMR OD	6.90	FT.
1	D.C. ID OD	.70	FT.
1	STB RMR OD	2.94	FT.
1	D.C. ID OD	29.76	FT.
20	STB RMR OD	621.60	FT.
1	¾ Sub	2.50	
122	STANDS DP	11409.11	FT.
	SINGLES DP		FT.
	KELLY DOWN	57.01	FT.
	TOTAL	12144.00	FT.

WT. OF STRING 260,000 LBS.

BIT RECORD

BIT NO.	RR 37
SIZE	8¾
MFG.	Cor
TYPE	O
JET 1/32"	
SER. NO.	12437333
DEPTH OUT	
DEPTH IN	12144
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8¾	.80	FT.
1	C.B.	64.40	
1	STB RMR OD	6.92	FT.
2	D.C. ID OD	3.54	FT.
1	STB RMR OD	29.76	FT.
20	D.C. ID 6½ OD	621.60	FT.
	STB RMR OD		FT.
1	C/O	2.50	
122	STANDS DP	11409.19	FT.
	SINGLES DP		FT.
	KELLY DOWN	57.01	FT.
	TOTAL	12166.00	FT.

WT. OF STRING 260,000 LBS.

BIT RECORD

BIT NO.	RR 37
SIZE	8¾
MFG.	Cor
TYPE	O
JETS 1/32"	
SER. NO.	RC-3733
DEPTH OUT	
DEPTH IN	12144
TOTAL FTG.	22
TOTAL HRS. RUN	5¾
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	2000	2200	2300
WEIGHT	10.2+	10.2	10.2
PRESSURE GRADIENT			
VISC.-SEC.	61	61	63
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WL-100	1-sk		
Gelex			

EVENING TOUR

FOOTAGE / FORMATION / PUMP / DEVIATION RECORD

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
12120	12144	D		22'	50	30	1900	5½	41			S
							1050	5½	32			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	12144								

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0000	0545	5¾	2	Drill
0545	0615	½	11	Circ. + Directional Survey
0615	0900	2¾	6	Hoist for Bit
				Check B.O.P.'s

DRILLER

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
12144								5½				
										5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	1100	3		Hoist, Lay Down Bad Jts.
1100	1145	¾		Rotation Survey, Circ. B.O.P.'s
1145	1245	1		Pick Up Core Bbl, Jars + Service Crew
1245	1600	3¼		Run in Hole w/ Core Bbl.

DRILLER

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
12144	12166	C	5		65	16	1600	5½	53			S
										5½		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

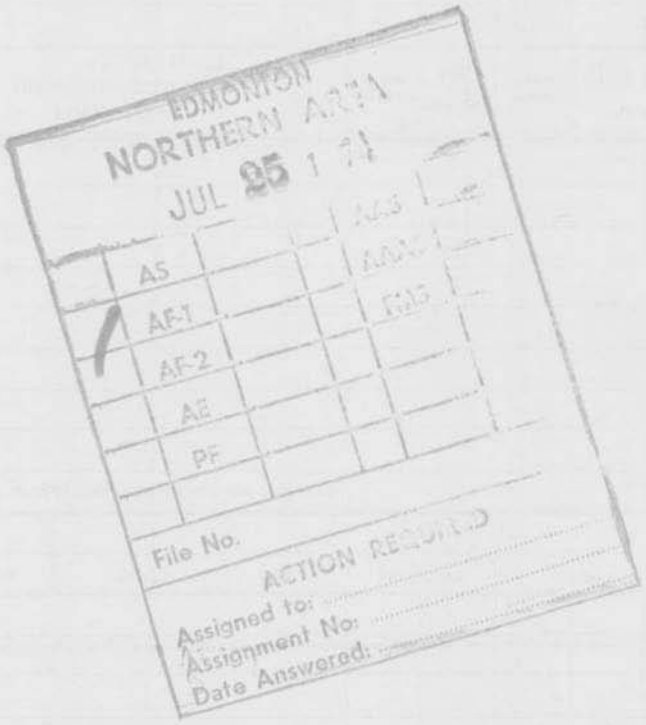
TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½	6	Circ. Out Fluid to 10100
1630	1700	½	6	Finish Running Jts. w/ Core Bbl.
1700	1915	2¼	22	Break Circ. W.T.B. from 12110 to 12144
				+ Circ. Drop Ball.
1915	2400	5¾	4	Coring 32 Hrs.

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


EDMONTON
NORTHERN ARE
JUL 25 1 7
AS
AF-1
AF-2
AE
PF
File No.
ACTION REQUIRED
Assigned to:
Assignment No:
Date Answered:

C 24116

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MTN	A-4	A-55-60 = 30-123-W45	7-22-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO, LTD	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
F. Nelson	L. H. Finley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 1/4	4 1/2 IF	1	1	EMSCO	D. 1000	18"
3	13.50	G	6 1/4	4 1/2 IF	2	2	EMSCO	D. 700	16"

LEGAL LAND DESCRIPTION POINTED MTN A-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	7 5/8		26 N80		8210		8210
			33 N80				
			47 S95				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL		4 1/4	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	8	3	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		1/4	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. W.T.B.	1	1/2	
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS		8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 8 1/2	1.00 FT.	BIT NO.	41	TIME				
1	BIT SUB	2.84	SIZE		WEIGHT				
1	STB RMR MONEL OD	29.67 FT.	MFG.		PRESSURE GRADIENT				
1	D.C. ID 6 1/2 OD	30.47 FT.	TYPE		VISC.-SEC.				
1	STB RMR 8 1/2 OD	2.67 FT.	JETS 1/32"		PV/YP	/	/	/	
19	D.C. ID 6 1/2 OD	590.63 FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
1	40	2.50	DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN		MUD & CHEMICALS ADDED				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		TYPE	AMT.	TYPE	AMT.	
	SINGLES DP	FT.	GPM/ PD-PSI	/	/				
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 8 1/2	1.00 FT.	BIT NO.	41	TIME	1130	1330	1500	
1	BIT SUB	2.87	SIZE	8 1/2	WEIGHT	10.2	10.1	10.1	
1	STB RMR MONEL OD	29.67 FT.	MFG.	SMITH	PRESSURE GRADIENT				
1	D.C. ID 6 1/2 OD	30.47 FT.	TYPE	47F3	VISC.-SEC.	57	60	58	
1	STB RMR 8 1/2 OD	2.67 FT.	JET 1/32"	10 11 11	PV/YP	/	/	/	
19	D.C. ID 6 1/2 OD	590.63 FT.	SER. NO.	MW793	GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
1	40	2.50	DEPTH IN	12012	pH	9.5	9.5	9.5	
			TOTAL FTG.	41	SOLIDS %				
			TOTAL HRS. RUN	4 3/4	MUD & CHEMICALS ADDED				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		TYPE	AMT.	TYPE	AMT.	
2	SINGLES DP	13 3743 FT.	GPM/ PD-PSI	/	/	BARITE	90-SKS		
	KELLY DOWN	17.46 FT.				GELEX	4-18S		
	TOTAL	120530 FT.				CAUSTIC	2-SKS		
WT. OF STRING	265000	LBS.							

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PART'L–P COM'D–C
12012												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0630	6 1/2		HOIST WORK TIGHT SPOT AT 11,850
0630	0730	1/2		RECEIVED SURVEY + CHANGE LINE.
0730	0900	1		RUN IN

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PART'L–P COM'D–C
12012	12053	D		41'	50	30	1900	5 1/2	48			S
							950	5 1/2	28			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1100	3	6	RUN IN W/BIT #41
1100	1130	1/2	21	W.T.B. FROM 11977 TO 12012
1130	1330	2	2	DRILL
1330	1345	1/4	15	B.O.P. DRILL
1345	1600	2 1/4	2	DRILL

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	.80 FT.	BIT NO.	41	TIME	1700	2000	2300	
1	BIT SUB	2.84	SIZE	8 1/2	WEIGHT	10.2	10.2	10.2	
1	STB RMR MONEL OD	29.76 FT.	MFG.	SMITH	PRESSURE GRADIENT				
1	D.C. ID 6 1/2 OD	30.17 FT.	TYPE	47F3	VISC.-SEC.	60	63	66	
1	STB RMR MONEL OD	2.67 FT.	JETS 1/32"	10 11 11	PV/YP	/	/	/	
19	D.C. ID 6 1/2 OD	590.63 FT.	SER. NO.	MW772	GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
1	40 SUB	2.50	DEPTH IN	12012	pH	9.5	10.0	10.0	
			TOTAL FTG.	108	SOLIDS %				
			TOTAL HRS. RUN	12 1/4	MUD & CHEMICALS ADDED				
22	STANDS DP	1140588 FT.	COND. 1/8's T/B GAGE		TYPE	AMT.	TYPE	AMT.	
1	SINGLES DP	3.33 FT.	GPM/ PD-PSI	/	/	WATER	38m		
	KELLY DOWN	22.12 FT.				KCL	16 SKS		
	TOTAL	1212000 FT.				GELEX	3 SK		
WT. OF STRING	267000	LBS.				CAUSTIC	2 SK		

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PART'L–P COM'D–C
12053	12101	D		56	40	30	1100	5 1/2	46			S
12109	12120	D		11	40	30	1100	5 1/2	52			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8		DRLG 8 1/2 HOLE

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24115

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MTN	A-4	A-05-60-33-123 W4S	07-31-74

OPERATOR	CONTRACTOR	RIG NO.
GULF CANADA LTD	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Jim Allen	[illegible]

LEGAL LAND DESCRIPTION: POINTED MTN A-55

WIRE LINE RECORD — REEL NO.

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	9⅝		40		8210		8210
			40.5				
			47				

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6½	NC50	2	1	EMSCO	D-1000	10"
5	19.50	G	6½	NC50	2	2	EMSCO	D-700	10"

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	8	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 9⅞	1.00	FT.
1	DRLG 8	2.84	
1	STB RMR OD	24.67	FT.
1	D.C. ID OD	30.47	FT.
1	STB RMR OD	5.32	FT.
1	D.C. ID OD	10.63	FT.
	STB RMR OD		FT.
1	1/2	2.53	
1	STANDS DP	11,000.00	FT.
2	SINGLES DP	62.68	FT.
	KELLY DOWN	1.21	FT.
	TOTAL	11,960.00	FT.
	WT. OF STRING 345,000		LBS.

BIT RECORD

BIT NO.	HR-36
SIZE	9⅞
MFG.	SEC
TYPE	M89
JETS 1/32"	10 11 11
SER. NO.	
DEPTH OUT	
DEPTH IN	11811
TOTAL FTG.	207
TOTAL HRS. RUN	
COND. 1/8's T.B. GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME			0700
WEIGHT	10.2	10.2	10.2
PRESSURE GRADIENT			
VISC.–SEC.	62	72	64
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	10.5	10.5	10
SOLIDS %			7½

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KCL-CL-G	3 SKS		

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 9⅞	1.00	FT.
1	DRLG 8	2.84	
1	STB RMR OD	24.67	FT.
1	D.C. ID OD	30.47	FT.
1	STB RMR OD	5.32	FT.
1	D.C. ID OD	10.63	FT.
	STB RMR OD		FT.
1	1/2	2.53	
1	STANDS DP	11,000.00	FT.
2	SINGLES DP	62.68	FT.
	KELLY DOWN	1.21	FT.
	TOTAL	11,960.00	FT.
	WT. OF STRING 345,000		LBS.

BIT RECORD

BIT NO.	HR-36
SIZE	9⅞
MFG.	SEC
TYPE	M89
JETS 1/32"	10 11 11
SER. NO.	
DEPTH OUT	
DEPTH IN	11811
TOTAL FTG.	207
TOTAL HRS. RUN	
COND. 1/8's T.B. GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	0800	1100	1400
WEIGHT	10.2	10.2	10.2
PRESSURE GRADIENT			
VISC.–SEC.	66	65	63
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	10.0	10.0	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	17 SX	WL-100	1 SK
CELLEX	2		
KCL-CL-G	3 SKS		
CAUSTIC	2 SKS		

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
1	STB RMR OD	24.67	FT.
1	D.C. ID OD	30.47	FT.
1	STB RMR OD	5.32	FT.
1	D.C. ID OD	30.63	FT.
	STB RMR OD		FT.
1	1/2	2.50	
111	STANDS DP	11,212.99	FT.
	SINGLES DP		FT.
	KELLY DOWN	38.48	FT.
	TOTAL	11,960	FT.
	WT. OF STRING 265,000		LBS.

BIT RECORD

BIT NO.	HR 36
SIZE	9⅞
MFG.	SEC
TYPE	M 89
JETS 1/32"	10 11 11
SER. NO.	487708
DEPTH OUT	12012
DEPTH IN	11611
TOTAL FTG.	401
TOTAL HRS. RUN	
COND. 1/8's T.B. GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	1600		
WEIGHT	10.2		
PRESSURE GRADIENT			
VISC.–SEC.	65		
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	10.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COM.–C
11759	11860			71'	50	30	1700	5½	48			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0900	9	2	DRILL

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COM.–C
11860	11950	D		90'	50	30	1700	5½	48	5½		S
							950	5½	26	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	1600	7	2	DRILL

CHECK B.O.P.'S

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COM.–C
11950	12012				50	30	1700	5½	48			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2200	7		DRILL
		½		CIR. SURVEY & DROP SLAVEY
		½		TRIP

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24114

DAILY DRILLING REPORT — REPORT NO. 142

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MTN	A-55	55-60-30-123 W5	07-20-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 1/4	4 1/2 IF	1	1	EMSCO	D-1000	18"
5"	19.50	G	6 1/4	4 1/2 IF	2	2	EMSCO	D-700	16"

LEGAL LAND DESCRIPTION: POINTED MTN A-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		40 & 43.5 N80		2210		2210
			43.5 N80				
			47 S00 95				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	3 1/4	8	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	3 1/4		
7. LUBRICATE RIG			
8. REPAIR RIG	3/4		
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER	1/4		
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	5	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD: 142

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 8 1/2	1.00	FT.
1	3 - 5 1/2	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID 6 1/2 OD	30.97	FT.
1	STB RMR OD	2.67	FT.
19	D.C. ID 6 1/2 OD	590.63	FT.
	STB RMR OD		FT.
1	C/O	2.50	
	STANDS DP	1034.50	FT.
	SINGLES DP		FT.
	KELLY DOWN	37.50	FT.
	TOTAL	1142.00	FT.

WT. OF STRING 213,000 LBS.

BIT RECORD	
BIT NO.	RR 36
SIZE	8 1/2
MFG.	SEC
TYPE	M 88
JETS 1/32"	10 11 11
SER. NO.	482708
DEPTH OUT	
DEPTH IN	1141
TOTAL FTG.	97
TOTAL HRS. RUN	10 1/4
COND. 1/8's T/B GAGE	IN
GPM/ PD–PSI	

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			
SAND			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 8 1/2	1.00	FT.
1	3 - 5 1/2	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID 6 1/2 OD	30.97	FT.
1	STB RMR OD	2.67	FT.
19	D.C. ID 6 1/2 OD	590.63	FT.
	STB RMR OD		FT.
1	C/O	2.50	
118	STANDS DP	11034.50	FT.
	SINGLES DP		FT.
	KELLY DOWN	37.50	FT.
	TOTAL	11708.00	FT.

WT. OF STRING 265,000 LBS.

BIT RECORD	
BIT NO.	RR 36
SIZE	8 1/2
MFG.	SEC
TYPE	M 88
JET 1/32"	10 11 11
SER. NO.	482708
DEPTH OUT	
DEPTH IN	11611
TOTAL FTG.	97
TOTAL HRS. RUN	10 1/4
COND. 1/8's T/B GAGE	IN
GPM/ PD–PSI	

MUD RECORD			
TIME	0800	1100	1400
WEIGHT	10.2	10.2	10.2
PRESSURE GRADIENT			
VISC.–SEC.	65	66	61
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			
SAND			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
K-PAL-G	3-SKS		
GEL	6-SKS		
CELLEX	2-LBS		
CAUSTIC	2-SKS		

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 8 1/2	1.00	FT.
1	BIT SUB	2.84	
1	STB RMR OD	29.67	FT.
1	D.C. ID 6 1/2 OD	30.97	FT.
1	STB RMR OD	2.67	FT.
19	D.C. ID 6 1/2 OD	590.63	FT.
	STB RMR OD		FT.
1	C/O	2.50	
118	STANDS DP	11034.50	FT.
	SINGLES DP		FT.
	KELLY DOWN	37.50	FT.
	TOTAL	11708.00	FT.

WT. OF STRING 265,000 LBS.

BIT RECORD	
BIT NO.	RR 36
SIZE	8 1/2
MFG.	SEC
TYPE	M 88
JETS 1-32"	10 11 11
SER. NO.	482708
DEPTH OUT	
DEPTH IN	11611
TOTAL FTG.	97
TOTAL HRS. RUN	10 1/4
COND. 1/8's T/B GAGE	IN
GPM/ PD–PSI	

MUD RECORD			
TIME	1600	2100	0400
WEIGHT	10.2	10.2	10.2
PRESSURE GRADIENT			
VISC.–SEC.	65	67	69
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9.5	10.5	10.5
SOLIDS %			
SAND			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PARTEL–P COMPL.–C
11611	11638	D			50	30	1700	5 1/2	50			S
					50	30	1700	5 1/2	45			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0300	3	6	Run in Hole Pick up 5" Drill Pipe
0300	0315	1/4	21	Pick up Kelly Fill Pipe
0315	0400	3/4	6	Run in to 11611
0400	0500	1	21	Unplug Bit & Start Swing To Drop Hole Dev.
0500	0615	1 1/4	2	Drilling 8 1/2 Hole
0615	0700	3/4	6	Work on Fuel System
0700	0800	1	2	Drilling 8 1/2 Hole

DRILLER

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PARTEL–P COMPL.–C
11630	11708	D		78'	50	30	1700	5 1/2	42			S
					50	30	1700	5 1/2	22			S
					100			5 1/2	33			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8	2	Drill
				Check B.O.P.'s

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PARTEL–P COMPL.–C
11708	11729	D		21' Ft	50	30	1400	5 1/2	45			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8	2	Drill

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24113

DAILY DRILLING REPORT

REPORT NO. 141

LEASE	WELL NO.	API WELL NUMBER	DATE
Porter MTN	A-4	A-55-16-30-123-142	6/30/71

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd	LOFFLAND BROTHERS COMPANY	42

SIGNATURE OF OPERATOR'S REPRESENTATIVE: A. F. Tyler

SIGNATURE OF CONTRACTOR'S TOOL PUSHER: A. F. Tyler

LEGAL LAND DESCRIPTION: Porter Prospect A-55

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9 5/8		40 H-40		634		634
		43.5 N-80				
		47 S-95				

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 FH	1	1	Emsco	D-700	16
5	19.50	E	6 5/8	4 FH	2	2	Emsco	D-700	16

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	11½	11½	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			6
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			1½
10. DEVIATION SURVEY		½	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			½
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. CIRC	5½		
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	24	24	24

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	141		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 8½	1.00 FT.	BIT NO.	RR 38	TIME	0001	0300	0730
1	9 in Sta	2.84	SIZE	8½	WEIGHT	10.2	10.2	10.2
1	STB RMR OD	29.71 FT.	MFG.	SEC	PRESSURE GRADIENT			.53
1	D.C. ID 6 OD	30.17 FT.	TYPE	J44	VISC.-SEC.	92	76	75
1	STB RMR OD	3.07 FT.	JETS 1/32"	11 11 11	PV/YP	/	/	32/16
19	D.C. ID 6 OD	570.13 FT.	SER. NO.	483442	GELS.	/	/	4/10
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.			6.4
1	5/8	3.50	DEPTH IN	11260	pH	9.5	9.5	9.5
			TOTAL FTG.	251	SOLIDS %			2.5
			TOTAL HRS. RUN	31				10
11	STANDS DP	1025.34 FT.	COND. 1/8's T/B GAGE	R4	MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	43.07 FT.			X-PAC	3	Gyp	
	TOTAL	1134.71 FT.			Lime	10	Soda	
WT. OF STRING	92,000 LBS.				Lig.	6	Lig.	
					Lub.	3	Emulsa	1 Sack

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.EL.-P COM.D.C.
Note	11546	D			50	30	1100	5½	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0300	3	2	Drilling 8½ Hole
0345	0730	3¾	11	Circulate Sample Tank
0730	0800	½	2	Drilling 8½ Hole

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 8½	1.00 FT.	BIT NO.	RR 38	TIME	0800	1100	1430
1	9 in Sta	2.84	SIZE	8½	WEIGHT	10.2	10.3	10.3
1	STB RMR OD	29.71 FT.	MFG.	SEC	PRESSURE GRADIENT			
1	D.C. ID 6 OD	30.17 FT.	TYPE	J44	VISC.-SEC.	75	76	76
1	STB RMR OD	3.07 FT.	JET 1/32"	10 10 11	PV/YP	/	/	/
19	D.C. ID 6 OD	570.13 FT.	SER. NO.	483442	GELS.	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.			
1	5/8	3.50	DEPTH IN	11260	pH	9.5+	9.5+	9.5
			TOTAL FTG.	251	SOLIDS %			
			TOTAL HRS. RUN	37½				
11	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	1091.36 FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	43.07 FT.			4/7 11/07	22 Sks		
	TOTAL	11611.00 FT.						
WT. OF STRING	263000 LBS.							

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.EL.-P COM.D.C.
11546	11611	D		Gas	50	30	1100	5½	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1530	7½	2	Drill
1530	1600	½	11	Circ. + Survey
1600				Check B.O.P's

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 8½	1.00 FT.	BIT NO.	RR 38	TIME			
1	9 in Sta	2.84	SIZE	8½	WEIGHT			
1	STB RMR OD	29.76 FT.	MFG.	SEC	PRESSURE GRADIENT			
1	D.C. ID 6 OD	30.97 FT.	TYPE	M3	VISC.-SEC.			
1	STB RMR OD	2.67 FT.	JETS 1/32"	10 10 11	PV/YP	/	/	/
19	D.C. ID 6 OD	590.63 FT.	SER. NO.	483442	GELS.	/	/	/
	STB RMR OD	FT.	DEPTH OUT	11611	WL.-CC'S.			
1	5/8	2.50	DEPTH IN	11260	pH			
			TOTAL FTG.	351	SOLIDS %			
			TOTAL HRS. RUN	39½				
11	STANDS DP	1091.36 FT.	COND. 1/8's T/B GAGE	3 5 I	MUD & CHEMICALS ADDED			
2	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	43.07 FT.						
	TOTAL	11611.00 FT.						
WT. OF STRING	263,000 LBS.							

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.EL.-P COM.D.C.
11611												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2130	5½	6	Trip for Bit
2130	2200	½	10	Check B.O.P's Mount Rotary Rubber
2200	2330	½	6	Run in Bit + Drill Collars
2330	0400	1½	7	Slip + Cut Drilling Line

DRILLER

C 24112

DAILY DRILLING REPORT

REPORT NO. 14

LEASE	WELL NO.	API WELL NUMBER	DATE
Powers Flowback	A-4	A-55-40-30-123 C145	09-16-74
OPERATOR	CONTRACTOR		RIG NO.
Bruce Cannon Etal	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		

LEGAL LAND DESCRIPTION: Powers Flowback A-55

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8"	4 1/2 IF	1	1	Emsco	D-1600	16"
5"	19.50	E	6 5/8"	4 1/2 IF	2	2	Emsco	D-900	16"

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9 5/8		40 H-40		2210		2210
		32 H-40				
		40 K-55				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	9	7 3/4	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		1/2	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	9	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	14
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 3/4	1.00	FT.
1	Drlg Collars	259	
1	STB RMR OD	9.21	FT.
1	D.C. ID 2 1/2 OD 6 1/2	30.58	FT.
1	STB RMR OD	2.13	FT.
12	D.C. ID 2 1/2 OD 6 1/2	370.12	FT.
	STB RMR OD		FT.
1	Sub	2.52	
113	STANDS DP		FT.
2	SINGLES DP	1074.24	FT.
	KELLY DOWN	39.40	FT.
	TOTAL	11325.31	FT.
WT. OF STRING	440,000		LBS.

BIT RECORD

BIT NO.	RR 38
SIZE	8 1/2
MFG.	Sec
TYPE	M-99
JETS 1/32"	10 10 11
SER. NO.	483992
DEPTH OUT	
DEPTH IN	11210
TOTAL FTG.	65
TOTAL HRS. RUN	8
COND. 1/8's T. B. GAGE	5 3 1
GPM/ PD–PSI	/ /

MUD RECORD

TIME	0800	1100	1400
WEIGHT	10	10	10+
PRESSURE GRADIENT			5.20
VISC.–SEC.	50	45	45
PV/YP	/	/	37/
GELS.	/	/	5/
WL –CC'S.			5.6
pH	9.5	9.5	9.5
SOLIDS %			10

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
X-Pol-E	3	Gyp	

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
11210	11325	D			50	30	1400	5 1/2	50			5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8	2	Drilling F/B Hole

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 3/4	1.00	FT.
1	Drlg Collars	2.94	
1	STB RMR OD	9.21	FT.
1	D.C. ID 2 1/2 OD 6 1/2	30.58	FT.
1	STB RMR OD	2.13	FT.
12	D.C. ID 2 1/2 OD 6 1/2	370.12	FT.
	STB RMR OD		FT.
1	Sub	2.52	
113	STANDS DP	10,663.24	FT.
2	SINGLES DP	63.44	FT.
	KELLY DOWN	28.44	FT.
	TOTAL	11,410	FT.
WT. OF STRING	260000		LBS.

BIT RECORD

BIT NO.	RR 38
SIZE	8 1/2
MFG.	Sec
TYPE	M-99
JETS 1/32"	10 10 11
SER. NO.	483992
DEPTH OUT	
DEPTH IN	11360
TOTAL FTG.	150
TOTAL HRS. RUN	15 3/4
COND. 1/8's T. B. GAGE	5 4 0
GPM/ PD–PSI	/

MUD RECORD

TIME	0800	1100	1400
WEIGHT	10.1+	10.2	10.1+
PRESSURE GRADIENT			
VISC.–SEC.	73	73	72
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9.5+	9.5+	9.5+
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
11325	11410	D		85	50	30	1400	5 1/2	50			5
				KILLING RATE →			1120	5 1/2	32			5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1100	3	2	DRILL
1100	1115	1/4	15	B.O.P. DRILL
1115	1600	4 3/4	2	DRILL

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 3/4	1.00	FT.
1	Drlg Collars	2.94	
1	STB RMR OD	9.21	FT.
1	D.C. ID 2 1/2 OD 6 1/2	30.58	FT.
1	STB RMR OD	2.13	FT.
12	D.C. ID 2 1/2 OD 6 1/2	370.12	FT.
	STB RMR OD		FT.
1	Sub	2.52	
113	STANDS DP	10,663.24	FT.
2	SINGLES DP	63.44	FT.
	KELLY DOWN	28.44	FT.
	TOTAL	11,410	FT.
WT. OF STRING	260000		LBS.

BIT RECORD

BIT NO.	RR-38
SIZE	8 1/2
MFG.	SEC
TYPE	M-99
JETS 1/32"	10 10 11
SER. NO.	483992
DEPTH OUT	
DEPTH IN	11,260
TOTAL FTG.	
TOTAL HRS. RUN	23 3/4
COND. 1/8's T. B. GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	1600		
WEIGHT	10.2		
PRESSURE GRADIENT			
VISC.–SEC.	73		
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9.5+		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PAR'EL–P COM'D–C
11,410		D						5 1/2				5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600			2	DRILL 8 1/2 HOLE

DRILLER

Form 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24111

DAILY DRILLING REPORT

REPORT NO. 137

LEASE	WELL NO.	API WELL NUMBER	DATE
Powell Ranch	A-4	42-501-30123	6-9-82

OPERATOR	CONTRACTOR	RIG NO.
Amoco Production Co.	LOFFLAND BROTHERS COMPANY	42

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.5#	E	6 5/8	4 1/2 IF	1	1	Emsco	D-700	12"
5	19.5#	E	6 5/8	4 1/2 IF	2	2	Emsco	D-700	12"

LEGAL LAND DESCRIPTION: Powell Ranch Sec. 4 T-5S R-35E

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		40		5240		5240
			23				
			17				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING		3 1/2	
5. CONDITION MUD & CIRCULATE			
6. TRIPS		4 1/2	3 1/2
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			3/4
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER			1 1/2
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	5	8	5

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	139		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		140 FT.
1	C.B.	6440	
1	STB RMR	OD	6.90 FT.
1	D.C. ID	OD	3.54 FT.
1	STB RMR	OD	3.76 FT.
10	D.C. ID	OD	621.60 FT.
	STB RMR	OD	FT.
1	9/16	3.30	
112	STANDS DP		FT.
1	SINGLES DP	1150713	FT.
	KELLY DOWN	23.16	FT.
	TOTAL	11360.00	FT.
WT. OF STRING	246000		LBS.

BIT RECORD

BIT NO.	RR 35
SIZE	8 3/4
MFG.	CHRIST
TYPE	MC 20
JETS 1/32"	
SER. NO.	4107304
DEPTH OUT	
DEPTH IN	11200
TOTAL FTG.	60
TOTAL HRS. RUN	10 1/2
COND. 1/8's T/B GAGE	6 0 0
GPM/ PD–PSI	

MUD RECORD

TIME	0200
WEIGHT	10.1+
PRESSURE GRADIENT	
VISC.–SEC.	73
PV/YP	/ /
GELS.	/ /
WL –CC'S.	
pH	10.0
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	10 SKS		
GELEX	4 LBS		
WT MAT	25 SKS		

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		140 FT.
1	C.B.	6440	
1	STB RMR	OD	6.90 FT.
2	D.C. ID	OD	3.54 FT.
1	STB RMR	OD	3.76 FT.
10	D.C. ID	OD	621.60 FT.
	STB RMR	OD	FT.
1	9/16	3.30	
112	STANDS DP		FT.
1	SINGLES DP	1150713	FT.
	KELLY DOWN	23.16	FT.
	TOTAL	11360.00	FT.
WT. OF STRING	246000		LBS.

BIT RECORD

BIT NO.	RR 35
SIZE	8 3/4
MFG.	CHRIST
TYPE	MC 20
JETS 1/32"	
SER. NO.	4107304
DEPTH OUT	
DEPTH IN	11200
TOTAL FTG.	60
TOTAL HRS. RUN	10 1/2
COND. 1/8's T/B GAGE	6 0 0
GPM/ PD–PSI	

MUD RECORD

TIME	0200
WEIGHT	10.1+
PRESSURE GRADIENT	
VISC.–SEC.	73
PV/YP	/ /
GELS.	/ /
WL –CC'S.	
pH	10.0
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	10 SKS		
GELEX	4 LBS		
WT MAT	25 SKS		

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 1/2		140 FT.
1	20 SUB	2.84	
1	STB RMR	OD	29.76 FT.
1	D.C. ID	OD	30.77 FT.
1	STB RMR	OD	9.69 FT.
19	D.C. ID	OD	580.13 FT.
	STB RMR	OD	FT.
1	9/16	3.30	
112	STANDS DP		FT.
1	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	RR 38
SIZE	8 3/4
MFG.	SEC
TYPE	M 88
JETS 1/32"	18 16 11
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.–SEC.	
PV/YP	/ /
GELS.	/ /
WL –CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COMP.–C
11200												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.–S PARL.–P COMP.–C
11246	11260	C	5		60	20	450	5 1/2	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1000	2	4	CUTTING CORE #5
1000	1030	1/2	4	BREAK OFF CORE + SLUG PIPE FOR TRIP
1030	1500	4 1/2	6	TRIP OUT W/ CORE BBL.
1500	1600	1	4	RECOVER 60' OF CORE, SERV. + LAY DOWN CORE BBL.
				CHECK B.O.P.'s

DRILLER

EVENING TOUR

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COMP.–C
11260												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1730	1 1/2	4	SERVICE + LAY DOWN CORE BBL.
1730	1845	1 1/4	6	MAKE UP BIT + RUN IN D.C.
1845	1930	3/4	9	SLIP + CUT 98' OF D.L.
1930	2000	1/2	6	PICK UP 4 SINGLE SUPP
2000	2230	2 1/2	6	RUN IN HOLE
2230	2300	1/2	6	LAY DOWN 10 + THAW LINES
2300	2400	1	6	RUN IN HOLE

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24110

DAILY DRILLING REPORT

REPORT NO. 138

LEASE	WELL NO.	API WELL NUMBER	DATE
Pointed Mt. T.N	A-4	A-55-16-3C-103-W-145	07-11-74

OPERATOR	CONTRACTOR	RIG NO.
Aurec Canada LTD	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

LEGAL LAND DESCRIPTION Pointed Mountain A-55

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8	4 1/2 IF	1	1	Emsco	D-375	14"
5"	19.50	E	6 5/8	4 1/2 IF	2	2	Emsco	D-375	14"

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9 5/8		40 N-80		5311		5311
		43.5 N-80				
		47 S-95				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6		
3. REAMING			
4. CORING			1/2
5. CONDITION MUD & CIRCULATE			
6. TRIPS			9
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER			9 1/2
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	E		E

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	12		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 6 1/2	.35 FT.	BIT NO.	4D	TIME	0400	0800	0900
1	8" Sub	2.64	SIZE	6 1/2	WEIGHT	10.1	10.1	10.1
1	STB RMR OD	29.11 FT.	MFG.	Smith	PRESSURE GRADIENT			.525
1	D.C. ID 2 1/2 OD	31.77 FT.	TYPE	F5	VISC.-SEC.	90	45	52
1	STB RMR OD	2.13 FT.	JETS 1/32"	11 11 11	PV/YP	/	/	24/9
11	D.C. ID 2 1/2 OD	324.13 FT.	SER. NO.	70359	GELS	/	/	12/22
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S			3.4
1	Sub	2.50	DEPTH IN	10877	pH	11.0	11.0	9.5
			TOTAL FTG.	300	SOLIDS %			13.1
			TOTAL HRS. RUN	22 3/4				
113	STANDS DP	10425.50 FT.	COND. 1/8's T/B GAGE	R 1 1 / 1 1	MUD & CHEMICALS ADDED			
1	SINGLES DP	31.33 FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	42.0 FT.			Gel	11	Lime	
	TOTAL	10498.83 FT.			Lime	3	Soda Ash	
WT. OF STRING	260,000	LBS.			Caustic	4	Soda Ash	

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL..S PARL..P COM'D..C
11088	11177	D			55	32	1100	5 1/2	50			5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		Drilling 8 1/2 hole

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	.80 FT.	BIT NO.	4D	TIME	0400	1030	T
1	8 1/5	2.34	SIZE	8 1/2	WEIGHT	10.1+	10.1+	R
1	STB RMR OD	29.76 FT.	MFG.	Smith	PRESSURE GRADIENT			I
1	D.C. ID 2 1/2 OD	30.97 FT.	TYPE	F5	VISC.-SEC.	67	61	P
1	STB RMR OD	2.47 FT.	JET 1/32"	11 11 11	PV/YP	/	/	P/
19	D.C. ID 2 1/2 OD	590.63 FT.	SER. NO.	70357	GELS	/	/	1/
	STB RMR OD	FT.	DEPTH OUT	11200	WL -CC'S			N
1	Sub	2.50	DEPTH IN	10877	pH	10.0	10.0	G
			TOTAL FTG.	323	SOLIDS %			
			TOTAL HRS. RUN	32 1/4				
112	STANDS DP	10475.20 FT.	COND. 1/8's T/B GAGE	8 2 IN	MUD & CHEMICALS ADDED			
1	SINGLES DP	31.33 FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	32.70 FT.						
	TOTAL	11300.00 FT.						
WT. OF STRING	260,000	LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL..S PARL..P COM'D..C
11177	11200	D			55	32	1900	5 1/2	50	5 1/2		5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
11200	4°	S62E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0815	1/2	2	Drill
0815	1115	3	5	Circ Sample from 11200'
1115	1145	1/2	10	Circ + Directional Survey
1145	1600	4 1/4	6	Trip out to core
				Check B.O.P's

DRILLER Pat Scales

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT D	1.00 FT.	BIT NO.	RR 35	TIME			
1	C-Sub	24 NC	SIZE	8 7/32	WEIGHT			
1	STB RMR OD	2.76 FT.	MFG.	Christ	PRESSURE GRADIENT			
1	D.C. ID OD	.70 FT.	TYPE		VISC.-SEC.			
1	STB RMR OD	2.64 FT.	JETS 1/32"		PV/YP	/	/	/
10	D.C. ID OD	29.71 FT.	SER. NO.	EC 13309	GELS	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S			
20	6 1/2 DC	1 31.16	DEPTH IN	11200	pH			
1	C/O	2.50	TOTAL FTG.	1	SOLIDS %			
			TOTAL HRS. RUN	1/2				
111	STANDS DP	FT.	COND. 1/8's T/B GAGE	R 1 1 / 1 1	MUD & CHEMICALS ADDED			
3	SINGLES DP	94.00 FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	39.70 FT.						
	TOTAL	11300.00 FT.						
WT. OF STRING	260,000	LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL..S PARL..P COM'D..C
11200	11200	C	5		60	15	1450	5 1/2	60			5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	1/2	6	Finish out
1630				Make up bit RR 35 + change
				catcher in core bbl. + pick up
	1730	1	6	TIH + lay down @ stb. body
1730	2300	5 1/2	6	Running in Tool Hole 11200
2330	2330	1/2	21	Drop Ball Pull String + Core Head
2330	2400	1/2	4	Cut Core #5

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


JUL 22 1974
YELLOWKNIFE, N.W.T.

C 24109

DAILY DRILLING REPORT

REPORT NO. 137

LEASE	WELL NO.	API WELL NUMBER	DATE
Powell Unit.	A-4	A-55-60-30-123-42-45	07-15-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada L-2.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

LEGAL LAND DESCRIPTION

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4	14.00	E	6	4½ IF	1	1	Emsco	D-1000	12"
4	25.50	G	6¼	4½ IF	1	2	Emsco	D-700	12"

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
7⅝		26.40	220			9210
		23.00				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/2	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	22½	8	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	1		
6. TRIPS	3		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.	1½		
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 137

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	30 FT.	BIT NO.	40	TIME		0700
1	Lift Sub	2.54	SIZE	9½	WEIGHT		10.0
1	STB RMR OD	27.76 FT.	MFG.	Smith	PRESSURE GRADIENT		
1	D.C. ID OD	30.77 FT.	TYPE	F5	VISC.-SEC.		91
1	STB RMR OD	2.67 FT.	JETS 1/32"	11 11 10	PV/YP	/	/
11	D.C. ID OD	316.63 FT.	SER. NO.	T0357	GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.		
1		2.50	DEPTH IN	10877	pH		10
			TOTAL FTG.	27	SOLIDS %		
			TOTAL HRS. RUN	2¾			
111	STANDS DP	10172.77 FT.	COND. 1/8's T.B. GAGE	1 1 0	MUD & CHEMICALS ADDED		
1	SINGLES DP	31.60 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	1.46 FT.			Gel		
	TOTAL	10304.00 FT.					
WT. OF STRING 242000 LBS.							

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT F½	30 FT.	BIT NO.	H0	TIME	0600	1000	1500
1	Lift Sub	2.54	SIZE	F½	WEIGHT	10.0	10.0	10.0
1	STB RMR OD	27.76 FT.	MFG.	Smith	PRESSURE GRADIENT			.505
1	D.C. ID OD	30.77 FT.	TYPE	F5	VISC.-SEC.	68	63	70
1	STB RMR OD	2.67 FT.	JET 1/32"	11 11 11	PV/YP	/	/	25/20
11	D.C. ID OD	316.63 FT.	SER. NO.	T0357	GELS.	/	/	13/10
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			5.0
1		2.50	DEPTH IN	10877	pH	9.6	9.5	10.0
			TOTAL FTG.	193	SOLIDS %			11.0
			TOTAL HRS. RUN	10¾				.335
111	STANDS DP	10572.77 FT.	COND. 1/8's T.B. GAGE	R 1 1	MUD & CHEMICALS ADDED			
1	SINGLES DP	31.01 FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	2.00 FT.			Gel	10sx	Lbs	
	TOTAL	10606.81 FT.			Bicar	4	Sks	
WT. OF STRING 255000 LBS.					Caustic	2	Sks	
					Lignite	60	Sks	

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	30 FT.	BIT NO.	40	TIME	1600	2000	2200
1	B/S	2.84	SIZE	9½	WEIGHT	10.2	10.2	10.14
1	STB RMR OD	27.76 FT.	MFG.	Smith	PRESSURE GRADIENT	.530	.530	
1	D.C. ID OD	31.97 FT.	TYPE	F5	VISC.-SEC.	82	77	78
1	STB RMR OD	2.67 FT.	JETS 1/32"	10 11 11	PV/YP	/	/	/
17	D.C. ID OD	538.63 FT.	SER. NO.	T0357	GELS.	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
1	C/O	2.50	DEPTH IN	10877	pH	10.5	10.5	10.0
			TOTAL FTG.	103	SOLIDS %			
			TOTAL HRS. RUN	18¾				
111	STANDS DP	10391.26 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	39.56 FT.			GEL	5-SXS	X-PEL-6	3-SX
	TOTAL	11.000.10 FT.			GELEX	10 LBS		
WT. OF STRING 257000 LBS.					[illegible]		WATER	110 BBLS
					DIL-100	2-GAL		

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PART'L-P COM'D-C
10877	10704	D		27'	48	30	1800	6½	48			S
										5½		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0015	¼		Finish Out.
0015	0130	1¼		Lay Down Jars & Reamer 17' of Core.
0130	0415	2¾		Tih Core Bbl. Ream & Drill, Circ. Up Core Bbl.
0415	0515	1		Break Core & W.O.B. Ream 10850 To 10877 (W.O.B.)
0515	0900	2¾		Drill 8½ Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PART'L-P COM'D-C
10704	10600	D			42	30	1700	6½	50			S
					55	30	1900	6½	50			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1400	8	1	Drilling 7⅞ Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PART'L-P COM'D-C
11000	11040	D			48	30	1700	5½	50			S
11040	11080	D			55	32	1900	5½	50			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8	2	Drill

DRILLER

FORM 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24108

DAILY DRILLING REPORT

REPORT NO. 136

LEASE	WELL NO.	API WELL NUMBER	DATE
Courtenay Plain.	A-4	A-55-60-30-123-W-45	07-14-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 I.F.	1	1	Emsco	D-1000	14
5	19.50	G	6 5/8	4 1/2 I.F.	1	2	Emsco	D-200	16

LEGAL LAND DESCRIPTION A-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8		40 K-55 54.5 K-55		3210		3210
			47 S-95				

WIRE LINE RECORD REEL NO.

SIZE 13/32 NO. LINES 10 FT. SLIPPED

FT. CUT OFF PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	1		
3. REAMING			
4. CORING		3½	4
5. CONDITION MUD & CIRCULATE		½	
6. TRIPS		9½	4
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	½		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.		3½	
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	136		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	1.00 FT.	BIT NO.	34	31	TIME			
1	Couplings	64.40	SIZE	8 3/4	8 1/2	WEIGHT			
1	STB RMR OD	6.70 FT.	MFG.	Smith	Security	PRESSURE GRADIENT			
1	D.C. ID OD	.70 FT.	TYPE	M-89	Security	VISC.-SEC.			
1	STB RMR OD	2.54 FT.	JETS 1/32"	18 18 11		PV/YP	/	/	/
1	D.C. ID OD	2.76 FT.	SER. NO.	493112	EC-37332	GELS.	/	/	/
20	STB RMR OD	621.60 FT.	DEPTH OUT	10858		WL.-CC'S.			
1	X-over Sub	2.50	DEPTH IN	10158	10858	pH			
			TOTAL FTG.	200		SOLIDS %			
			TOTAL HRS. RUN	17					
102	STANDS DP	10105.44 FT.	COND. 1/8's T/B GAGE	1 1 1		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI			TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	22.96 FT.							
	TOTAL	10850.00 FT.							
WT. OF STRING	252000 LBS.								

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.-C
10850	10858	D			48	30	1700	6 1/2	48			S
										5 1/2		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	10850	1°	S 88 E						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0100	1		Lay down 5" DP
0100	0130	½		Circ. & Survey
0130	0550	4		Pooh & Lay down 11 Collars & Bit.
0550	0630	1		Retrieve Survey, Pick Up Core Bbl, Jars, Check BOP.
0630	0800	1½		Run in hole

DRILLER [illegible]

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	1.00 FT.	BIT NO.	37		TIME	1030	1300	1800
1	Core Bbl	64.80	SIZE	8 3/4		WEIGHT	9.5#	10	9.8#
1	STB RMR OD	6.70 FT.	MFG.	Christ.		PRESSURE GRADIENT			.509
1	D.C. ID OD	.70 FT.	TYPE	A		VISC.-SEC.	43	46	53
1	STB RMR OD	2.54 FT.	JET 1/32"			PV/YP	/	/	26/21
1	D.C. ID OD	21.76 FT.	SER. NO.	EC-37332		GELS.	/	/	2/24
	STB RMR OD	FT.	DEPTH OUT			WL.-CC'S.			7.4
20	6 5/8 Jars	620.10	DEPTH IN	10858		pH	9.5	9.5	9.5
1	C/O	2.50	TOTAL FTG.	9		SOLIDS %			9
			TOTAL HRS. RUN	2¾					.25
102	STANDS DP	10105.44 FT.	COND. 1/8's T/B GAGE	R I G		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI			TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	22.96 FT.				Gel	1500		
	TOTAL	10858.00 FT.				Lo/Ex	3	SW	
WT. OF STRING	252000 LBS.					X-Pert	3	Con	
						Caustic	2	Sodium Nitrite	0.5

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.-C
10858	11558	C	4	M 10	60	16	1450	6 1/2	50			S
										5 1/2		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0945	1 3/4	1	Run in Hole Tag Bot
0945	1045	1	31	Wash in Fr 11736 To 11756
1045	1115	½	1	Run in with Stand
1115	1130	¼	5	Circ & Cond Mud
1130	1345	2 ¼	21	Pull Core #1 Wash String To Drop Pump Recover B
1345	Hrs	2 ¼	4	Cut Core #1

DRILLER [illegible]

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	1.00 FT.	BIT NO.	39		TIME	1800	2000	
1	Core Bbl	64.80	SIZE	8 3/4		WEIGHT	10.0	10+	
1	STB RMR OD	6.70 FT.	MFG.	Christ.		PRESSURE GRADIENT			
1	D.C. ID OD	.70 FT.	TYPE	A		VISC.-SEC.	43	42	
1	STB RMR OD	2.54 FT.	JETS 1/32"			PV/YP	/	/	/
1	D.C. ID OD	21.76 FT.	SER. NO.	EC-37332		GELS.	/	/	/
	STB RMR OD	FT.	DEPTH OUT	10977		WL.-CC'S.			
20	6 5/8 D.C.	620.10	DEPTH IN	11558		pH	9.5	9.5	
1	5" Sub	2.50	TOTAL FTG.	19		SOLIDS %			
			TOTAL HRS. RUN	6½					
103	STANDS DP	10108.16 FT.	COND. 1/8's T/B GAGE			MUD & CHEMICALS ADDED			
1	SINGLES DP	30.71 FT.	GPM/ PD-PSI			TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	14.67 FT.							
	TOTAL	10576.00 FT.							
WT. OF STRING	252000 LBS.								

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
Hrs	2000	4		Cut Core #4
2000	2400	4		Move

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24107

DAILY DRILLING REPORT REPORT NO. 135

LEASE	WELL NO.	API WELL NUMBER	DATE
Fuqua NDU	A-4	30-025-10-30-123-01-01	07-23-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Chemical Co.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3½	13.30	E	6⅜	4½ IF	1	1	Emsco	D-1000	10
3½	13.30	E	6⅜	4½ IF	1	2	Emsco	D-1000	10

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13⅜		48 H-40		1210		8210
			47 S-95				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	2	5	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	4		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.	2		
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8	16	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	135		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
1	BIT	12¼	FT.
1	1 DC 8"	2284	
1	STB RMR OD	12"	FT.
1	D.C. ID 2¼ OD	30.47	FT.
1	STB RMR OD	12"	FT.
1	D.C. ID 2¼ OD	5.63	FT.
1	STB RMR OD	12"	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING	230,000	LBS.

BIT RECORD			
BIT NO.	38		
SIZE	8¾		
MFG.	S.C.		
TYPE	J-88		
JETS 1 32nds	11 11 10		
SER. NO.	423112		
DEPTH OUT			
DEPTH IN	10658		
TOTAL FTG.	21		
TOTAL HRS. RUN	2		
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD				
TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.-SEC.				
PV/YP	/	/	/	
GELS	/	/	/	
WL -CC'S				
pH				
SOLIDS %				
MUD & CHEMICALS ADDED				
TYPE	AMT.	TYPE	AMT.	

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
1	BIT 8½	30	FT.
1	1 DC 8"	2.84	
1	STB RMR OD	22.71	FT.
1	D.C. ID 2¼ OD	30.32	FT.
1	STB RMR OD	2.07	FT.
1	D.C. ID 2¼ OD	5.63	FT.
1	STB RMR OD	2.50	FT.
1	STANDS DP	1005.44	FT.
2	SINGLES DP	63.10	FT.
	KELLY DOWN	22.5	FT.
	TOTAL	10050.00	FT.
	WT. OF STRING	240,000	LBS.

BIT RECORD			
BIT NO.	38		
SIZE	8¾		
MFG.	SEC		
TYPE	M44F		
JET 1/32nds	10 10 10		
SER. NO.	HE2750		
DEPTH OUT	10427		
DEPTH IN	10427		
TOTAL FTG.	117		
TOTAL HRS. RUN	16		
COND. 1/8's T/B/ GAGE	R-1		
GPM/ PD-PSI	/	/	/

MUD RECORD				
TIME	0700	Dec		
WEIGHT	8.6	8.6	9.0	
PRESSURE GRADIENT				
VISC.-SEC.	52	54	60	
PV/YP	/	/	/	
GELS	/	/	/	
WL -CC'S				
pH	9.0	9.0	9.5	
SOLIDS %				
MUD & CHEMICALS ADDED				
TYPE	AMT.	TYPE	AMT.	
X-FOR-G	3	SPERSENE	4 sx	
Caustic	3	SAS	4 sx	
Salt	20	CMC	1 sx	
Lime	2	SAS	4 sx	

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
1	BIT 8½	30	FT.
1	1 DC 8"	2.84	
1	STB RMR OD	22.71	FT.
1	D.C. ID 2¼ OD	30.47	FT.
1	STB RMR OD	2.07	FT.
1	D.C. ID 2¼ OD	5.63	FT.
1	STB RMR OD	2.50	FT.
1	STANDS DP	1050.44	FT.
2	SINGLES DP	63.10	FT.
	KELLY DOWN	22.5	FT.
	TOTAL	10050.00	FT.
	WT. OF STRING	240,000	LBS.

BIT RECORD			
BIT NO.	38		
SIZE	8¾		
MFG.	SEC		
TYPE	M44F		
JETS 1/32nds	11 11 11		
SER. NO.	HE2750		
DEPTH OUT	10427		
DEPTH IN	10427		
TOTAL FTG.	112		
TOTAL HRS. RUN	18		
COND. 1/8's T/B/ GAGE	1		
GPM/ PD-PSI	/	/	/

MUD RECORD				
TIME	1700	2100	2300	
WEIGHT	10.0	10.0+	10.0+	
PRESSURE GRADIENT				
VISC.-SEC.	60	58	60	
PV/YP	/	/	/	
GELS	/	/	/	
WL -CC'S				
pH	9.5	9.5	9.5	
SOLIDS %				
MUD & CHEMICALS ADDED				
TYPE	AMT.	TYPE	AMT.	

EVENING TOUR

FOOTAGE FROM / TO | DR..D RM-R CORE..C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. 1 LINER SIZE / S.P.M. | PUMP NO. 2 LINER SIZE / S.P.M. | METHOD RUN SGL-S PAR-P COM-C

FROM	TO											
10618	10671	D		21	48	30	1150	5½	40			3

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM / TO | ELAPSED TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO			
0001	0045	¾		Finish Out
0045	0200	1¼		Retrieve 5⅜" Csg Cutter & Tri Pump Cutter
0200	0515	3¼		Pick Up 12¼" Bit & Csg Scraper & Run to Top of 5⅜" Csg
0515	0600	¼		Circ Csg Clean & Test Csg & Equip to 1000# for 15 min
0600	0800	2		Drill 8¾" Hole

DRILLER

FOOTAGE FROM / TO | DR..D RM-R CORE..C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. 1 LINER SIZE / S.P.M. | PUMP NO. 2 LINER SIZE / S.P.M. | METHOD RUN SGL-S PAR-P COM-C

FROM	TO											
10629	10725	D			48	30	1150	5½	40			5

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM / TO | ELAPSED TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO			
0600	1400	8	2	Drilling 8¾ Hole

DRILLER

FOOTAGE FROM / TO | DR..D RM-R CORE..C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. 1 LINER SIZE / S.P.M. | PUMP NO. 2 LINER SIZE / S.P.M. | METHOD RUN SGL-S PAR-P COM-C

FROM	TO											
10725	10950	D		75	48	30	1150	5½	40	5½		5

DEVIATION RECORD | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION

TIME LOG FROM / TO | ELAPSED TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO			
1400	2400	8		Drilling 8¾ Hole

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24106

DAILY DRILLING REPORT — REPORT NO. 134

LEASE	WELL NO.	API WELL NUMBER	DATE
Ponca Unit	A-4	A-35-60-30-123-W-45	07-12-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	92

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
D. Lastrup	L. H. Finley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3	13.30	E	4 1/2	4 1/2 FH	1	1	Emsco	D-360	18
3	13.30	E	4 1/2	4 1/2 FH	1	2	Emsco	D-360	10

LEGAL LAND DESCRIPTION: Ponca Unit A-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	7		23 K-55	40	6210		6210
			17 J-55	145			

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
13	10	88

FT. CUT OFF: 88 — PRESENT LENGTH:

TON MI. OR TRIPS SINCE LAST CUT:

CUMULATIVE TON MI. OR TRIPS:

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	2		
3. REAMING			
4. CORING		4 1/2	
5. CONDITION MUD & CIRCULATE			
6. TRIPS	4 1/2	3 1/2	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE	1		
10. DEVIATION SURVEY	1/2		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK		3	
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Other	3 1/4		
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD	134
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	0	1.00 FT.
1	Collars	24.40	
1	STB RMR OD	6.70	FT.
1	D.C. ID OD	.70	FT.
1	STB RMR OD	2.34	FT.
1	D.C. ID OD	21.76	FT.
20	STB RMR OD	621.60	FT.
1	7 5/8 Sub	2.50	
103	STANDS DP	3223.21	FT.
6	SINGLES DP	30.34	FT.
	KELLY DOWN	14.75	FT.
	TOTAL	10100.00	FT.

WT. OF STRING 250000 LBS.

BIT RECORD

BIT NO.	36	37
SIZE	8 1/2	8 1/2
MFG.	SKC	
TYPE	J44GJ	
JETS 1/32"	4 10 10	
SER. NO.	65708	
DEPTH OUT	10600	
DEPTH IN	10336	10600
TOTAL FTG.	264	
TOTAL HRS. RUN	11 3/4	
COND. 1/8's T/B/ GAGE	1 1 I	
GPM/ PD–PSI	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PARTIAL–P COMPL.–C
10592	10620	D			60	30	1120	5 1/2	45			S
										5 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
10610	1 3/4	S 85 E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0045	3/4		Drlg 82 Hrs
0045	0115	1/2		Circ + Survey
0115	0530	4 1/4		Make Trip Stand 5 Stds
0530				Circ on Btm Prepare Survey Pipe Cut Drlg Line
	0615	1/2		Pick Up Stds
0615	0645	1/2		Run D.C. In.
0645	0745	1		Slip + Cut 88' D.L.
0745	0800	1/4		Remove Ins.

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	0	1.00 FT.
1	Collars	24.40	
1	STB RMR OD	6.70	FT.
1	D.C. ID OD	.70	FT.
1	STB RMR OD	2.34	FT.
1	D.C. ID OD	21.76	FT.
20	STB RMR OD	621.60	FT.
1	7 5/8 Sub	2.50	
103	STANDS DP	3223.21	FT.
6	SINGLES DP	30.34	FT.
	KELLY DOWN	14.75	FT.
	TOTAL	10100.00	FT.

WT. OF STRING 250000 LBS.

BIT RECORD

BIT NO.	37	
SIZE	8 1/2	
MFG.	SKC	
TYPE	J44GJ	
JETS 1/32"	4 10 10	
SER. NO.	65708	
DEPTH OUT	10600	
DEPTH IN	10336	10600
TOTAL FTG.	264	
TOTAL HRS. RUN	11 3/4	
COND. 1/8's T/B/ GAGE	1 1 I	
GPM/ PD–PSI	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PARTIAL–P COMPL.–C
10592	10627	C	3		60	14	1100	5 1/2	51			S
										5 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1030	3 1/2	6	Run in w/Bare Bit
1030	1145	1 1/4	21	Wash + Ream 10480' to 10600
1145	1500	3 1/4	4	Cut Core #3

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	0	1.00 FT.
1	Collars	24.40	
1	STB RMR OD	6.70	FT.
1	D.C. ID OD	.70	FT.
1	STB RMR OD	2.34	FT.
1	D.C. ID OD	21.76	FT.
20	STB RMR OD	621.60	FT.
1	7 5/8 Sub	2.50	
103	STANDS DP	3223.21	FT.
6	SINGLES DP	30.34	FT.
	KELLY DOWN	14.75	FT.
	TOTAL	10100.00	FT.

WT. OF STRING 250000 LBS.

BIT RECORD

BIT NO.	37	
SIZE	8 1/2	
MFG.	SKC	
TYPE	J44GJ	
JETS 1/32"	4 10 10	
SER. NO.	65708	
DEPTH OUT	10600	
DEPTH IN	10336	10600
TOTAL FTG.	264	
TOTAL HRS. RUN	11 3/4	
COND. 1/8's T/B/ GAGE	1 1 I	
GPM/ PD–PSI	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PARTIAL–P COMPL.–C
10627	10658	C	3		60	14	1100	5 1/2	51			S
										5 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	2045	4 3/4		Cut Core #3
2045	2400	3 1/4		Hoist

DRILLER

Form 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 24105

DAILY DRILLING REPORT

REPORT NO. 133

LEASE	WELL NO.	API WELL NUMBER	DATE
Located Mineral	A-6	A-55-60-30-123-W-4	07-11-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	L. H. Tyler

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 IF		1	Emsco	D-1000	19
5	25.60	G	6 5/8	4 1/2 IF		2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
7 5/8		26.4 N80		5210		8200
		29.3 N80				
		47 Hyd				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/8	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION -- HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL		8	8
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE	1/2		
6.	TRIPS	5 1/2		
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.		1 1/2		
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 133

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT	.80	FT.
1	Cut Sub	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID 6 1/2 OD	30.37	FT.
1	STB RMR OD	2.67	FT.
11	D.C. ID 6 1/2 OD	338.63	FT.
1	STB RMR OD	2.80	FT.
103	STANDS DP		FT.
2	SINGLES DP	1730.47	FT.
	KELLY DOWN	34.34	FT.
	TOTAL	10376.00	FT.

WT. OF STRING 247000 LBS.

BIT RECORD

BIT NO.	36
SIZE	8 3/4
MFG.	Sec
TYPE	M44F
JETS 1/32"	11 10 10
SER. NO.	488708
DEPTH OUT	
DEPTH IN	10376
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B GAGE	
GPM/ PD--PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
10376								5 1/2				
										5 1/2		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2001	0145	1 3/4		Hoist
0145	0300	1 1/4		Retrieve 47 jts of Csg & Tie Csg Rig to Drill
0300	0330	1/2		Press Bit, Check B.O.P's Pick Up Kelly Srg.
0330	0730	4		Running In Bit 36.
0730	0800	1/2		Break Circ

DRILLER

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 1/2	.50	FT.
1	Bit Sub	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID 6 1/2 OD	30.37	FT.
1	STB RMR OD	2.67	FT.
11	D.C. ID 6 1/2 OD	338.63	FT.
	STB RMR OD		FT.
1	Sub	2.50	
105	STANDS DP	9979.91	FT.
	SINGLES DP		FT.
	KELLY DOWN	42.66	FT.
	TOTAL	10478.00	FT.

WT. OF STRING 241000 LBS.

BIT RECORD

BIT NO.	37
SIZE	8 1/2
MFG.	Sec
TYPE	M44F
JET 1/32"	11 11 11
SER. NO.	488708
DEPTH OUT	
DEPTH IN	10376
TOTAL FTG.	102
TOTAL HRS. RUN	8
COND. 1/8's T/B GAGE	R. 1 / 1
GPM/ PD--PSI	

MUD RECORD

TIME	0800	1400	1800
WEIGHT	9.9	10.0	10.2
PRESSURE GRADIENT			.519
VISC.-SEC.	70	56	54
PV/YP	/	/	22/15
GELS.	/	/	6/10
WL -CC'S.			6.4
pH	9.0	9.0	9.5
SOLIDS %			12
			15

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
X-Hi-C	3	Sw.	
Caustic	2	Sw.	

DAY TOUR

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
10376	10478	D		Drill all jts to Bottom	45	30	650	5 1/2	45			S
				Run to Wipe and	50	35	650	5 1/2	45			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1100	3	2	Drilling 8 1/2 Hole

DRILLER

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 1/2	.40	FT.
1	Bit Sub	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID 6 1/2 OD	30.37	FT.
1	STB RMR OD	2.67	FT.
11	D.C. ID 6 1/2 OD	338.63	FT.
	STB RMR OD		FT.
1	8 1/2 Sub	2.50	
106	STANDS DP	9978.41	FT.
	SINGLES DP		FT.
	KELLY DOWN	43.66	FT.
	TOTAL	10482.00	FT.

WT. OF STRING 250000 LBS.

BIT RECORD

BIT NO.	37
SIZE	8 1/2
MFG.	Sec
TYPE	M44F
JETS 1/32"	11 11 11
SER. NO.	488708
DEPTH OUT	
DEPTH IN	10376
TOTAL FTG.	196
TOTAL HRS. RUN	16
COND. 1/8's T/B GAGE	1 / 1
GPM/ PD--PSI	

MUD RECORD

TIME	1100	2200	2300
WEIGHT	10.0	10.0	10.0
PRESSURE GRADIENT			
VISC.-SEC.	52	54	53
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
10478	10482	D		TD	45	30	650	5 1/2	45			S
										5 1/2		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	2400	8		Drilling 8 1/2 Hole

DRILLER

C 24104

DAILY DRILLING REPORT

REPORT NO. 132

LEASE	WELL NO.	API WELL NUMBER	DATE
Fuston Nixon	A-4	A-35-60-30-123-W-45	07-10-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Prod. Co.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	J. H. Finley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8	4½ I.F.	1	1	Ex-550	D-1000	16
5"	25.60	G	6 5/8	4½ I.F.	1	2	Ex-550	D-700	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		40 J-55		8210		8210
			43.5 N-80				
			47 S-95				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/4	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING	8	8	5
5. CONDITION MUD & CIRCULATE			
6. TRIPS			3
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 132

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	1.00 FT.	BIT NO.	35	TIME	0205	0400	0600	
1		6.40	SIZE	6 3/4-4	WEIGHT	10.0	10.1	10.0	
1	STB RMR	6.70 FT.	MFG.	Christ	PRESSURE GRADIENT				
1	D.C. ID OD	.70 FT.	TYPE	D	VISC.-SEC.	43	44	45	
1	STB RMR	2.84 FT.	JETS 1/32"		PV/YP	/	/	/	
1	D.C. ID	21.76 FT.	SER. NO.	KC12324	GELS.	/	/	/	
20	STB RMR	1.10 FT.	DEPTH OUT		WL -CC'S.				
1		2.50	DEPTH IN	10276	pH	9.5	9.5	9.5	
			TOTAL FTG.	72	SOLIDS %				
			TOTAL HRS. RUN	22¾					
102	STANDS DP	9542.06 FT.	COND. 1/8's T/B GAGE	Cln 1/16	MUD & CHEMICALS ADDED				
2	SINGLES DP	61.31 FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	29.13 FT.			X-TEL-G	3 sx			
	TOTAL	10368.00 FT.			GEL	21 sx			
WT. OF STRING	247,000 LBS.				GELLEX	4 sx			

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	1.00 FT.	BIT NO.	35	TIME	0600	1200	1800	
1	C-88L	64.40	SIZE	6 3/4-4	WEIGHT	10.0	10	10	
1	STB RMR	6.80 FT.	MFG.	Christ	PRESSURE GRADIENT				
1	D.C. ID	.70 FT.	TYPE	D	VISC.-SEC.	44	45	56	
1	STB RMR	2.84 FT.	JET 1/32"		PV/YP	/	/	20/14	
1	D.C. ID	29.71 FT.	SER. NO.	KC-12324	GELS.	/	/	3/4	
	STB RMR	FT.	DEPTH OUT		WL -CC'S.			7.0	
20	6 3/4	421.10	DEPTH IN	10291	pH	10	9.5	9.5	
1	C/O	2.50	TOTAL FTG.	76	SOLIDS %			12	
			TOTAL HRS. RUN	30¼					
103	STANDS DP	9740.81 FT.	COND. 1/8's T/B GAGE	Rr 1/16	MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	17.00 FT.			Gel	20	Soda		
	TOTAL	10367.91 FT.			Gellex	4	Soda		
WT. OF STRING	247,000 LBS.				X-Tel-G	1	Soda		

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	1.00 FT.	BIT NO.	35	TIME				
1	C-88L	64.40	SIZE	6 3/4-4	WEIGHT				
1	STB RMR	6.80 FT.	MFG.	Christ	PRESSURE GRADIENT				
1	D.C. ID	.70 FT.	TYPE	D	VISC.-SEC.				
1	STB RMR	2.84 FT.	JETS 1/32"		PV/YP	/	/	/	
1	D.C. ID	29.71 FT.	SER. NO.	KC-12324	GELS.	/	/	/	
20	STB RMR	1.10 FT.	DEPTH OUT	10311	WL -CC'S.				
1	6 3/4	21.10	DEPTH IN	10291	pH				
1	C/O	2.50	TOTAL FTG.	100	SOLIDS %				
			TOTAL HRS. RUN	33¾					
103	STANDS DP	9740.81 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	26.24 FT.							
	TOTAL	10316.00 FT.							
WT. OF STRING	247,000 LBS.								

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARTL.-P COM.-C
10350	10368	C	2	18	60	20	1400	5½	53			3
										5½		3

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0400	8		Coring Core #2

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARTL.-P COM.-C
10316	10350	C	2		60	20	1400	5½	53			5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1800	12	2	Cut Core #3

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARTL.-P COM.-C
10350	10376	C	2	10	60	20	1400	5½	53			5
										5½		5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	2100	5		Coring Core #3
2100	2400	3		Pull out of hole

DRILLER

Form 3T6

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


CONSERVATION ENGINEER
JUL 22 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 24103

DAILY DRILLING REPORT REPORT NO. 131

LEASE	WELL NO.	API WELL NUMBER	DATE
Cities Svc.	A-4	A-45-20-30-23-W-4	07-F-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A. Shortt

LEGAL LAND DESCRIPTION Lsd 14 Sec 23 Tp 45 Rge 20 W4M

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	7"		20 J-55		8310		8310
			23 N-80				
			23 P-110				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/8	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8	4 1/2 H.F.	1	1	Emsco	D-700	16
5"	25.60	G	6 5/8	4 1/2 H.F.	1	2	Emsco	D-700	16

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING	8	9	1½
5. CONDITION MUD & CIRCULATE			1½
6. TRIPS		5¾	3¼
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Circ		4¼	12
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	9	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 131

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	1.00 FT.	BIT NO.	35	TIME	0100	0300	0600
1	Circ Sub	6.40	SIZE	6 3/4	WEIGHT	10.0#	10.0	10.0
1	STB RMR OD	6.30 FT.	MFG.	Christ	PRESSURE GRADIENT			
1	D.C. ID OD	30 FT.	TYPE	D	VISC.-SEC.	43	42	43
1	STB RMR OD	2.84 FT.	JETS 1 32"		PV/YP	/	/	/
1	D.C. ID OD	30.76 FT.	SER. NO.	FC-4304	GELS.	/	/	/
1	STB RMR OD	6.60 FT.	DEPTH OUT		WL -CC'S.			8.4
1	6" Sub	2.00	DEPTH IN	10296	pH	10	10	9.5
			TOTAL FTG.	47	SOLIDS %			
			TOTAL HRS. RUN	11				
102	STANDS DP	1512.00 FT.	COND. 1/8's T/B/ GAGE	C-1-I	MUD & CHEMICALS ADDED			
1	SINGLES DP	30.40 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	35.84 FT.			W.F. Mud	60 sx		
	TOTAL	1693.00 FT.			X-Tel-G	3 sx		
WT. OF STRING	246,000 LBS.				Lubex	2 sx		

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
10308	10343	C	1	35	60	18	1350	5½	53			S
										5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		Cutting Core #1

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	1.00 FT.	BIT NO.	35	TIME	1600		
1	C-Sub	14.40	SIZE	6 3/4	WEIGHT	10.0		
1	STB RMR OD	6.30 FT.	MFG.	Christ	PRESSURE GRADIENT			
1	D.C. ID OD	30 FT.	TYPE	D	VISC.-SEC.	43		
1	STB RMR OD	2.84 FT.	JET 1/32"		PV/YP	/	/	/
1	D.C. ID OD	30.76 FT.	SER. NO.	FC-4304	GELS.	/	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
8	6½ DC	62.16	DEPTH IN	10296	pH	10.0		
1	6"	2.50	TOTAL FTG.	52	SOLIDS %			
			TOTAL HRS. RUN	13				
102	STANDS DP	1634.21 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	30.40 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	41.00 FT.						
	TOTAL	1726.61 FT.						
WT. OF STRING	241,000 LBS.							

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL.-S PARL.-P COM.-C
10343	10345	C	1		60	18	1350	5½	53			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	1600	2	4	Cut Core #1
1600	1300	3	6	Hard Core #1 (Tight Hole fr 9125-9205 Core #1)
1300	1315	¼	21	Check well
1315	1600	2¾	6	Hard Core #1

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	1.00 FT.	BIT NO.	35	TIME			
1	C-Sub	14.40	SIZE	6 3/4	WEIGHT			
1	STB RMR OD	6.30 FT.	MFG.	Christ	PRESSURE GRADIENT			
1	D.C. ID OD	30 FT.	TYPE	D	VISC.-SEC.			
1	STB RMR OD	2.84 FT.	JETS 1/32"		PV/YP	/	/	/
1	D.C. ID OD	30.76 FT.	SER. NO.	FC-4304	GELS.	/	/	/
20	STB RMR OD	621.60 FT.	DEPTH OUT		WL -CC'S.			
1	6" Sub	2.50	DEPTH IN	10216	pH			
			TOTAL FTG.	57	SOLIDS %			
			TOTAL HRS. RUN	14½				
102	STANDS DP	1547.06 FT.	COND. 1/8's T/B/ GAGE	C-1-I	MUD & CHEMICALS ADDED			
2	SINGLES DP	61.31 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	41.13 FT.						
	TOTAL	1703.00 FT.						
WT. OF STRING	247,000 LBS.							

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
10345	10350	C	2	2	60	18	1350	5½	53			S
										5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1	21	Recover Core. 52' Recovered
1700	1730	½		Secure Core Bbl
1730	2100	3½		Run in w/Core Bbl
2100	2130	½		Break Circ Wash To Bottom From 10308 To 10343
2130	2330	1		Core + Pump Time
2330	2400	1½		Cutting Core #2

DRILLER

EDMONTON
NORTHERN AREA
JUL 11 1974
AS
AF-1
AF-2
AE
PF
AAS
AAAS
FMS
File No.
ACTION REQUIRED
Assigned to:
Assignment No:
Date Answered:

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION STRATEGIES
JUL 19 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 24102

DAILY DRILLING REPORT

REPORT NO. 130

LEASE	WELL NO.	API WELL NUMBER	DATE
Prince Mountain	A-4	9-55-6-30-12S-45W	07-8-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Prod. Co.	LOFFLAND BROTHERS COMPANY	12

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Buckhorn

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	7 1/4	NC50	1	1	Emsco	D-360	12
5	19.50	E	7 1/4	NC50	2	2	Emsco	D-360	12

LEGAL LAND DESCRIPTION: Section 30, T12S, R45W

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		40 K55		9224		9210
			15.5 K55				
			17# K55				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
13x	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	11½		
3. REAMING			11½
4. CORING			3
5. CONDITION MUD & CIRCULATE	1½	½	1½
6. TRIPS		5¾	3¼
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		¼	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			½
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	F

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 130

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 8½	1.00 FT.	BIT NO.	34	TIME	0200	0500	0630	
1	8" Sub	2.84	SIZE	8½	WEIGHT	9.7+	9.7	9.9	
1	STB RMR OD	29.76 FT.	MFG.	Smith	PRESSURE GRADIENT				
1	D.C. ID OD	30.87 FT.	TYPE	F5	VISC.-SEC.	41	43	43	
1	STB RMR OD	2.87 FT.	JETS 1/32"	12 12 12	PV/YP	/	/	/	
19	D.C. ID OD	591.63 FT.	SER. NO.	TD381	GELS	/	/	/	
	STB RMR OD	FT.	DEPTH OUT	10296	WL -CC'S				
1	Circ Sub	2.50	DEPTH IN	10161	pH	10.0	10.0	10.0	
			TOTAL FTG.	135	SOLIDS %				
			TOTAL HRS. RUN	05½					
102	STANDS DP	9607.04 FT.	COND. 1/8's T/B GAGE	2 3 5	MUD & CHEMICALS ADDED				
2	SINGLES DP	64.31 FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	37.46 FT.			WATER	150 BBL			
	TOTAL	10296.00 FT.			CELEX	2 BAGS			
WT. OF STRING	240,000 LBS.								

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	1.00 FT.	BIT NO.	35	TIME				
1	Collars	64.40	SIZE	8 3/4 x 4	WEIGHT				
1	STB RMR OD	6.70 FT.	MFG.	Smith	PRESSURE GRADIENT				
1	D.C. ID OD	.70 FT.	TYPE	D	VISC.-SEC.				
1	STB RMR OD	2.84 FT.	JET 1/32"		PV/YP	/	/	/	
1	D.C. ID OD	278.76 FT.	SER. NO.	EC-10784	GELS	/	/	/	
20	STB RMR OD	621.60 FT.	DEPTH OUT		WL -CC'S				
1	Circ Sub	2.50	DEPTH IN	10296	pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
102	STANDS DP	9547.06 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	37.24 FT.							
	TOTAL	10246.00 FT.							
WT. OF STRING	276,000 LBS.								

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	1.00 FT.	BIT NO.	35	TIME				2200
1	Collar Hdl	64.40	SIZE	8 3/4 x 4	WEIGHT				9.8+
1	STB RMR OD	6.70 FT.	MFG.	Smith	PRESSURE GRADIENT				510
1	D.C. ID OD	.70 FT.	TYPE	D	VISC.-SEC.				44
1	STB RMR OD	2.84 FT.	JETS 1/32"		PV/YP	/	/	/	12/14
1	D.C. ID OD	92.76 FT.	SER. NO.	EC-10784	GELS	/	/	/	2/4
20	STB RMR OD	621.60 FT.	DEPTH OUT		WL -CC'S				5.8
1	Circ	2.50	DEPTH IN	10296	pH				10
			TOTAL FTG.	12	SOLIDS %				8
			TOTAL HRS. RUN	3					
102	STANDS DP	9547.06 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	37.24 FT.			WTR MUD	45 BBL			
	TOTAL	10246.00 FT.			CELEX	1 SAK			
WT. OF STRING	276,000 LBS.								

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D-C
10253	10296	19			68	30	1500	5½	50	5½		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0130	1½		DRILLING 8¾ HOLE
0130	0900	7½		CIR. & COND. @ 10296' PREPARATION MUD TO COND.
				START @ 11 671 ENDING WITH 10296
				L.D. PLANT & BACK UP
				July 6 1974 at 12

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D-C
10 16		1			68	30	1000	5½	50			S
										5½		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	10286	2½	S13E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0430	4½		Circ & Condition Mud To Cond.
0430	0845	4¼		Drop Survey
0845	1330	4¾		Trip
1330	1400	½		Break out B.I. Retrieve Survey Rack Up
1400	1500	1		Core Lab + Service Hands
1500	1700	2		Running In Slow. W/ Core Brl.

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D-C
10296	10306	0	1		60	15	1350	5½	52			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1930	3½	6	Reaming to Btm.
1930	2045	1 1/4	3	Cond. Hole To Run Bit From 10296 To 10306
2045	2100	1/4	5	Drop Ball Circ Out Ball To Pump Ball Btm
2100	2400	3	4	Cut Core #1

DRILLER

C 24101

DAILY DRILLING REPORT

REPORT NO. 129

LEASE	WELL NO.	API WELL NUMBER	DATE
PRENTICE MOUNTAIN	A-4	A-56-Le-30-123-45W	07-07-74

OPERATOR	CONTRACTOR	RIG NO.
[illegible] CANADA LTD.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

LEGAL LAND DESCRIPTION: PRENTICE MOUNTAIN A-56

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6¼	[illegible]	1	1	Emsco	D-375	16
5	19.50	G	6¼	[illegible]	2	2	Emsco	D-375	16

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9⅝		40 N80		6218		8210
		47 N80				
		47 S-95				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1⅜	12	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	8	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	129
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8½	.90	FT.
1	[illegible]	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID 6¼ OD	30.97	FT.
1	STB RMR OD	2.17	FT.
19	D.C. ID OD	592.13	FT.
	STB RMR OD		FT.
1	C/O	2.50	
10	STANDS DP	7012.70	FT.
2	SINGLES DP	12.38	FT.
	KELLY DOWN	35.25	FT.
	TOTAL	10000.00	FT.
WT. OF STRING	246000		LBS.

BIT RECORD

BIT NO.	34
SIZE	8½
MFG.	Smith
TYPE	F5
JETS 1/32"	10 10 11
SER. NO.	TD381
DEPTH OUT	
DEPTH IN	10061
TOTAL FTG.	43
TOTAL HRS. RUN	5
COND. 1/8's T/B/ GAGE	Rerun
GPM/ PD-PSI	

MUD RECORD

	0001	0300	0600
TIME			
WEIGHT	9.7+	9.7+	9.7+
PRESSURE GRADIENT			
VISC.-SEC.	43	41	42
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.0	9.0	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER	35 BBL		
GELEX	2#		
X-PEL-G	2-SKS		
CAUSTIC	2-SKS		

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PART'L-P COMP'D-C
10161	10164	43'			48	30	1500	5½	50	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		Drilling 9½ hole

DRILLER [illegible]

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8½	.80	FT.
1	[illegible]	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID 6¼ OD	30.17	FT.
1	STB RMR OD	2.17	FT.
19	D.C. ID OD	592.13	FT.
	STB RMR OD		FT.
1	½ SUB	2.50	
102	STANDS DP	9547.06	FT.
	SINGLES DP		FT.
	KELLY DOWN	30.77	FT.
	TOTAL	10238.00	FT.
WT. OF STRING	245000		LBS.

BIT RECORD

BIT NO.	34
SIZE	8½
MFG.	Smith
TYPE	F5
JET 1/32"	10 10 11
SER. NO.	TD381
DEPTH OUT	
DEPTH IN	10161
TOTAL FTG.	77
TOTAL HRS. RUN	16
COND. 1/8's T/B GAGE	1/8
GPM/ PD-PSI	

MUD RECORD

	0800	1200	1500
TIME			
WEIGHT	9.7+	9.7+	9.8+
PRESSURE GRADIENT			
VISC.-SEC.	43	42	39
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	10.0	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER	100 BBL		
GEL	10 SK		
X-PEL-G	3 SK		
GELEX	5 SK		

DESANDER - 3 @ 200
WF - 15.4 @ 9.7

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SCL-S PART'L-P COMP'D-C
10204	10238	0		34'	48	30	1500	5½	50	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8		Drlg 8½ hole

Circ for B.O.P.'s

DRILLER [illegible]

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8½	.60	FT.
1	[illegible]	2.84	
1	STB RMR OD	29.76	FT.
1	D.C. ID 6¼ OD	30.97	FT.
1	STB RMR OD	2.17	FT.
10	D.C. ID OD	592.13	FT.
	STB RMR OD		FT.
1	C/O	2.50	
102	STANDS DP	9547.06	FT.
2	SINGLES DP	14.31	FT.
	KELLY DOWN	14.46	FT.
	TOTAL	10238.00	FT.
WT. OF STRING	246000		LBS.

BIT RECORD

BIT NO.	34
SIZE	8½
MFG.	Smith
TYPE	F5
JETS 1/32"	10 10 11
SER. NO.	TD381
DEPTH OUT	
DEPTH IN	10161
TOTAL FTG.	122
TOTAL HRS. RUN	24
COND. 1/8's T/B/ GAGE	Rerun
GPM/ PD-PSI	

MUD RECORD

	1930	2200	2400
TIME			
WEIGHT	9.8+	9.8	9.8+
PRESSURE GRADIENT			
VISC.-SEC.	42	42	42
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	2-SKS		

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PART'L-P COMP'D-C
10238	10265	0		45'	48	30	1500	5½	50	5½		S
10265	10283				45	30	1400			5½	52	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8		Drlg 8½ Hole

DRILLER [illegible]

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23620

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	4	4½	
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS		3½	
7.	LUBRICATE RIG			
8.	REPAIR RIG			½
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY	1	½	
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			3½
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 125

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	9½	.60 FT.
1			2.64
1	STB RMR OD		29.76 FT.
1	D.C. ID OD		30.97 FT.
1	STB RMR OD		3.47 FT.
1	D.C. ID OD	596-63	FT.
	STB RMR OD		FT.
1			2.50
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		32.93 FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	33	
SIZE	9½	
MFG.	Smith	
TYPE	F 3 S	
JETS 1/32"	11 11 11	
SER. NO.	MN724	
DEPTH OUT		
DEPTH IN	9764	
TOTAL FTG.	272	
TOTAL HRS. RUN	46½	
COND. 1/8's T/B GAGE		
GPM/ PD-PSI		

MUD RECORD

TIME	0001	0330	
WEIGHT	9.2+	9.2+	9.4+
PRESSURE GRADIENT			
VISC.-SEC.	42	41	41
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WTR MUD	1185 BBL		
GELEX	9 SKS		

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
10456	10497	DC			55	30	1600	5½	52	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
10400	4°	S76E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6H		DRILLING 9½" HOLE
				DUMP & CLEAN PITS FOR CSG.

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	8¾	.60 FT.
1			2.64
1	STB RMR OD		27.76 FT.
1	D.C. ID OD		30.97 FT.
1	STB RMR OD		2.47 FT.
1	D.C. ID OD		592.63 FT.
1	STB RMR OD		FT.
1			2.50
10	STANDS DP	1452.70	FT.
1	SINGLES DP	21.35	FT.
1	KELLY DOWN	32.93	FT.
	TOTAL		FT.
WT. OF STRING		240,000	LBS.

BIT RECORD

BIT NO.	33	
SIZE	9½	
MFG.	Smith	
TYPE	F 3 S	
JET 1/32"	11 11 11	
SER. NO.	MN724	
DEPTH OUT	10167	
DEPTH IN	9764	
TOTAL FTG.	397	
TOTAL HRS. RUN	50	
COND. 1/8's T/B GAGE	8 7 I	
GPM/ PD-PSI		

MUD RECORD

TIME	0001	1100	
WEIGHT	9.5	9.5	
PRESSURE GRADIENT			
VISC.-SEC.	43	42	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WTR MUD	1190 BBL		
GELEX	4 SKS		

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
10457	10461	D		24	55	30	1600	5½	52			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
10458	3¾	S76E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0200	1230	10½		Drlg 8¾" Hole
1230	1900	6½		Circ. + Survey
1900	1600	13		Trip + pull Bullet Core Barrel O.H.
				Circ. + R.O.P.

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	8¾	.60 FT.
1			2.64
1	STB RMR OD		30.24 FT.
1	D.C. ID OD		30.97 FT.
1	STB RMR OD		2.47 FT.
19	D.C. ID OD	592.63	FT.
	STB RMR OD		FT.
1			2.50
10	STANDS DP	2452.90	FT.
1	SINGLES DP	21.35	FT.
1	KELLY DOWN	32.93	FT.
	TOTAL		FT.
WT. OF STRING		240,000	LBS.

BIT RECORD

BIT NO.	34	
SIZE	8¾	
MFG.	Smith	
TYPE	F 3	
JETS 1/32"	10 10 11	
SER. NO.	JD281	
DEPTH OUT		
DEPTH IN	10167	
TOTAL FTG.		
TOTAL HRS. RUN		
COND. 1/8's T/B GAGE		
GPM/ PD-PSI		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
10457							1600	5½	52	5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1915	2¼		Trip
1915	1700	2¾		Making Survey, Come Out, Cut Core
1700	2130	4½		Run in hole to bottom
2130	2215	¾		Ream 45' to bottom
2215	2330	1½		Circ. + Pump Pill
2330	0001	½		Pull 5 stds + Circ. Hole Clean for Csg.

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23619

DAILY DRILLING REPORT REPORT NO. 127

LEASE	WELL NO.	API WELL NUMBER	DATE
Pointed Mountain	A-4	A-55-6 T-12S-R5W	07-5-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Production Co.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
T. Fortune	R. Crosby

D.P. SIZE	WT. / FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	16.60	E	6 1/4	NC50	1	1	Emsco	D-375	16
5"	19.50	E	6 1/4	NC50	2	2	Emsco	D-375	16

LEGAL LAND DESCRIPTION: Pointed Mountain A-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		40 N80		5210		5210
			43.5 N80				
			47 S95				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/8	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6	8	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	6	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 127

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 1/2	.50	FT.
1	BIT SUB	2.54	
1	STB RMR OD	29.76	FT.
1	D.C. ID 2 1/4 OD	30.97	FT.
1	STB RMR OD	2.67	FT.
19	D.C. ID 6 1/2 OD	590.63	FT.
	STB RMR OD		FT.
1	C/O	2.50	
54	STANDS DP	1707.00	FT.
2	SINGLES DP	12.74	FT.
	KELLY DOWN	37.49	FT.
	TOTAL	4438.00	FT.
WT. OF STRING 221000			LBS.

BIT RECORD

BIT NO.	33
SIZE	8 1/2
MFG.	SMITH
TYPE	4J5
JETS 1/32"	11 11 11
SER. NO.	MN724
DEPTH OUT	
DEPTH IN	9714
TOTAL FTG.	116
TOTAL HRS. RUN	22 1/2
COND. 1/8's T/B/ GAGE	RNG/NG
GPM/ PD-PSI	/ /

MUD RECORD

TIME	001	0400	0600
WEIGHT	9.2+	9.2+	9.2+
PRESSURE GRADIENT			
VISC.-SEC.	42	42	42
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.0	9.5	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARLEL-P COMPD.-C
9572	9717	C			55	30	1400	5 1/2	52	5 1/2		S
9717	9730				55	30	1400			5 1/2	57	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6		DRLNG 9 1/2 hole

DRILLER T. Fortune

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 1/2	.50	FT.
1	BIT SUB	2.54	
1	STB RMR OD	29.76	FT.
1	D.C. ID 2 1/4 OD	30.97	FT.
1	STB RMR OD	2.67	FT.
19	D.C. ID 6 1/2 OD	590.63	FT.
	STB RMR OD		FT.
1	C/O	2.50	
52	STANDS DP	1707.00	FT.
2	SINGLES DP	12.74	FT.
	KELLY DOWN	37.49	FT.
	TOTAL	4438.00	FT.
WT. OF STRING 221000			LBS.

BIT RECORD

BIT NO.	33
SIZE	8 1/2
MFG.	SMITH
TYPE	4J5
JETS 1/32"	11 11 11
SER. NO.	MN724
DEPTH OUT	
DEPTH IN	9714
TOTAL FTG.	116
TOTAL HRS. RUN	22 1/2
COND. 1/8's T/B/ GAGE	RNG/NG
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0400	1130	1530
WEIGHT	9.2+	9.2+	9.2+
PRESSURE GRADIENT			
VISC.-SEC.	40	38	37
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	13 SKS	WE 100	1 SK
DESINTER 2 1/2 gpm WE 101	2 SKS	GELEX	2 SKS
OF 9.2+		X-PEL-GEL	4 SKS
CENTRIFUGE WE 17.1 OF W/		CAUSTIC	2 SKS

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARLEL-P COMPD.-C
9770	9765	C			55	30	1400			5 1/2	57	S
9765	9788	C		58	55	30	1400	5 1/2	52			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1400	8		Core #2

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 1/2	.90	FT.
1	BIT SUB	2.54	
1	STB RMR OD	29.76	FT.
1	D.C. ID 2 1/4 OD	30.97	FT.
1	STB RMR OD	2.67	FT.
19	D.C. ID 6 1/2 OD	590.63	FT.
	STB RMR OD		FT.
1	C/O	2.50	
49	STANDS DP	1539.33	FT.
	SINGLES DP		FT.
	KELLY DOWN	31.50	FT.
	TOTAL	4438.00	FT.
WT. OF STRING 217000			LBS.

BIT RECORD

BIT NO.	33
SIZE	8 1/2
MFG.	SMITH
TYPE	4J5
JETS 1/32"	11 11 11
SER. NO.	MN724
DEPTH OUT	
DEPTH IN	9714
TOTAL FTG.	292
TOTAL HRS. RUN	38 1/2
COND. 1/8's T/B/ GAGE	1 1 I
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1900	2030	2300
WEIGHT	9.2+	9.2+	9.2+
PRESSURE GRADIENT			
VISC.-SEC.	43	42	43
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARLEL-P COMPD.-C
1788	1836	C	1		55	30	1400	5 1/2	52	5 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1400	2400	8		Core #3

DRILLER

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C 23618

DAILY DRILLING REPORT

REPORT NO. 126

LEASE	WELL NO.	API WELL NUMBER	DATE
PONTOTOC MOUNTAIN	3-4	0-36-60-30-123-45W	07-4-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Lusho

LEGAL LAND DESCRIPTION: PONTOTOC MOUNTAIN A-6

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
E	19.50	E	6¼	4½ IF	1	1	Emsco	D-700	15
E	19.50	E	6¼	4½ IF	2	2	Emsco	D-700	16

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9⅝		40 N80		9211		9211
		47 N80				
		47 S00				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
13	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7½	7½	7¼
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	8		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			¾
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.	8½	8½	
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	126
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8¾	.91	FT.
1	Reed	2.94	
1	STB RMR OD	29.76	FT.
1	D.C. ID 2½ OD	30.97	FT.
1	STB RMR OD	2.17	FT.
9	D.C. ID 2½ OD	54.63	FT.
	STB RMR OD		FT.
1	C/O	2.50	
97	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	33
SIZE	8¾
MFG.	Smith
TYPE	F35
JETS 1/32"	11 11 11
SER. NO.	MA774
DEPTH OUT	
DEPTH IN	9714
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T.B. GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			
TOTAL FTG.			
TOTAL HRS. RUN			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8½	.80	FT.
1		2.34	
1	STB RMR OD	29.76	FT.
1	D.C. ID OD	30.17	FT.
1	STB RMR OD	2.17	FT.
11	D.C. ID OD	340.17	FT.
1	STB RMR OD	2.50	FT.
1	4½ DP	30.50	FT.
17	STANDS DP	1075.20	FT.
2	SINGLES DP	63.22	FT.
1	KELLY DOWN	39.41	FT.
	TOTAL	9824.00	FT.
WT. OF STRING		238,000	LBS.

BIT RECORD

BIT NO.	33
SIZE	8¾
MFG.	Smith
TYPE	F35
JET 1/32"	11 11 11
SER. NO.	MA774
DEPTH OUT	
DEPTH IN	9714
TOTAL FTG.	60
TOTAL HRS. RUN	7¼
COND. 1/8's T.B. GAGE	1 1
GPM/ PD–PSI	/

Drill-Ins: Inclination Survey

DE. 9.3 KE. 11.2

OUT OF THE - OF 9714 IN 17

MUD RECORD

TIME	1000	1500	1580
WEIGHT	9.3	9.3	9.3
PRESSURE GRADIENT			
VISC.–SEC.	45	42	41
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9.6	9.5	9.5
SOLIDS %			
TOTAL FTG.			
TOTAL HRS. RUN			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8½	.50	FT.
1	Reed	2.54	
1	STB RMR OD	29.76	FT.
1	D.C. ID OD	30.97	FT.
1	STB RMR OD	2.17	FT.
10	D.C. ID OD	304.63	FT.
1	C/O	2.50	
95	STANDS DP	9119.60	FT.
	SINGLES DP		FT.
	KELLY DOWN	42.23	FT.
	TOTAL	9777.00	FT.
WT. OF STRING		230,000	LBS.

BIT RECORD

BIT NO.	33
SIZE	8¾
MFG.	Smith
TYPE	F35
JETS 1/32"	11 11 11
SER. NO.	MA774
DEPTH OUT	
DEPTH IN	9714
TOTAL FTG.	60
TOTAL HRS. RUN	7¼
COND. 1/8's T.B. GAGE	1 1
GPM/ PD–PSI	/

MUD RECORD

TIME	1700	2200	2400
WEIGHT	9.3	9.3	9.3
PRESSURE GRADIENT			
VISC.–SEC.	40	41	41
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9.5	9.0	9.0
SOLIDS %			
TOTAL FTG.			
TOTAL HRS. RUN			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
KCL-64-96			

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PARL.–P COM.–C
9766								5½		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0915	9¼		ULTRASONIC WIPER PLUG & LOG DOWN & RUN TO
0915	0930	¼		MEASURE & PICKUP 74 JOINTS 6-GRADE PIPE

DRILLER

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL.–S PARL.–P COM.–C
1714	1824	D		CO	55	30	1400	5½	52	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0200	0445	2¾		Drill 8¾ hole from 1707 to 1714
0445	1100	6¼		Drill 8¾ hole from 1714 to 1824

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PARL.–P COM.–C
1824	9872	D			55	30	1600	5½	52	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1823	¾	S 27 E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1830	2½		
1830	1915	¾		
1915	RUN	4¼		

DRILLER

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C 23617

DAILY DRILLING REPORT

REPORT NO. 126

LEASE	WELL NO.	API WELL NUMBER	DATE
Powder Mountain	A-4	A-45-60-30-123-4544	07-3-74
OPERATOR		**CONTRACTOR**	**RIG NO.**
Pan Ocean Oil Corp.		LOFFLAND BROTHERS COMPANY	72
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
		Al Lucchetti	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6¼	4½ IF	1	1	Emsco	D-375	18
						2	Emsco	D-375	18

LEGAL LAND DESCRIPTION: Powder Mountain A-45

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9⅝		40 J55		5211		5211
		43.5 N80				
		47 S95				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1¾	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	4¾		
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	½		
6. TRIPS	2½	7½	8
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¼		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.		½	
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 126

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				
1	BIT	8½	.50	FT.
1	8" DC		2.84	
1	STB RMR	OD	29.76	FT.
1	D.C. ID 2¼	OD	30.97	FT.
1	STB RMR	OD	9.17	FT.
10	D.C. ID 2¼	OD	306.13	FT.
	STB RMR	OD		FT.
1	CR		2.50	
94	STANDS DP		9059.19	FT.
1	SINGLES DP		31.55	FT.
	KELLY DOWN		13.09	FT.
	TOTAL		9714.00	FT.

WT. OF STRING 230,000 LBS.

BIT RECORD

BIT NO.	32
SIZE	8½
MFG.	SEC.
TYPE	S95
JETS 1/32"	12 12 12
SER. NO.	304790
DEPTH OUT	9714
DEPTH IN	9064
TOTAL FTG.	758
TOTAL HRS. RUN	97
COND. 1/8's T/B/ GAGE	8 7 I
GPM/ PD–PSI	/ /

MUD RECORD

TIME	0200	0500	T
WEIGHT	9.3+	9.3+	R
PRESSURE GRADIENT			I
VISC.–SEC.	44	43	P
PV/YP	/	/	P/
GELS.	/	/	H/
WL –CC'S.			N
pH	9.5	9.5	G
SOLIDS %			OUT

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.	33
SIZE	8½
MFG.	Smith
TYPE	4JS
JETS 1/32"	11 11 11
SER. NO.	MN724
DEPTH OUT	
DEPTH IN	9764
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	/ /

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.				
1	BIT	9½	.50	FT.
1	8" DC		2.84	
1	STB RMR	OD	29.76	FT.
1	D.C. ID 2¼	OD	30.97	FT.
1	STB RMR	OD	9.17	FT.
10	D.C. ID 2¼	OD	306.13	FT.
	STB RMR	OD		FT.
1	CR		2.50	
94	STANDS DP		9059.19	FT.
1	SINGLES DP		31.55	FT.
	KELLY DOWN		13.09	FT.
	TOTAL		9714.00	FT.

WT. OF STRING 230,000 LBS.

BIT RECORD

BIT NO.	33
SIZE	8½
MFG.	Smith
TYPE	4JS
JETS 1/32"	11 11 11
SER. NO.	MN724
DEPTH OUT	
DEPTH IN	9764
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	/ /

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR.,D RM.–R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR.EL–P COM.EC.
9730	9764	34			55	35	1200	5½	57	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0445	4¾		Drilling 8½ hole
0445	0500	¼		Drop survey
0500				Hoist for B.H.A #2 Hole Tight f/ 8311 to 7733
	0530	½		Pick up Kelly Cock.
0530	0600	½		Ck. BOP and B.H.A #2

DRILLER

FOOTAGE / FORMATION

FROM	TO	DR.,D RM.–R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL.–S PAR.EL–P COM.EC.
9764								5½		5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	0530	½		Hoist
0530	1330	8		Hoist. Change D.C's w/ Hydril Ultrang Collars
1330	1400	½		Retrieve Survey. Check BOP & Connections
1400	1600	2		Run in hole to bottom pick up Kelly and Drill Brk. In.

DRILLER

FOOTAGE / FORMATION

FROM	TO	DR.,D RM.–R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR.EL–P COM.EC.
9764								5½		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG / DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2100	5		Run in hole w/ Inspection pipe by Hydril Corporation Co. P.O. Layne Dist. Gene Rue

DRILLER


DEVELOPMENT
JUL 19 1974
TELLOWKNIFE, N.W.T.

C 23616

DAILY DRILLING REPORT — REPORT NO. 124

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MOUNTAIN	A-4	A-55-60-32-123-4541	09-2-74

OPERATOR	CONTRACTOR	RIG NO.
DANIEL CONOCO INC.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A. Lueth

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 IF	1	1	Emsco	D-375	18
						2	Emsco	D-375	16

LEGAL LAND DESCRIPTION: POINTED MOUNTAIN A-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		40 N80		9210		9210
			43.5 N80				
			47 S95				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/2	11	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7	8	7½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	1		½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	124
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8½	.80	FT.
1	BIT SUB	2.54	
1	STB RMR OD	20.76	FT.
1	D.C. ID 6 1/2 OD	30.47	FT.
1	STB RMR OD	2.17	FT.
10	D.C. ID 6½ OD	301.13	FT.
	STB RMR OD		FT.
1	X/O	2.60	
95	STANDS DP	8871.42	FT.
2	SINGLES DP	13.49	FT.
	KELLY DOWN	15.32	FT.
	TOTAL	9146.60	FT.
WT. OF STRING 227,000			LBS.

BIT RECORD

BIT NO.	12
SIZE	8½
MFG.	Sec.
TYPE	S86
JETS 1/32"	13 13 13
SER. NO.	304381
DEPTH OUT	
DEPTH IN	9016
TOTAL FTG.	64
TOTAL HRS. RUN	14
COND. 1/8's T/B/ GAGE	8 1 1/16
GPM/ PD-PSI	

MUD RECORD

	001	0230	0600
TIME			
WEIGHT	9.3+	9.3	9.3+
PRESSURE GRADIENT			
VISC.-SEC.	44	46	43
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	.80	FT.
1	MONEL	2.84	
1	STB RMR OD	21.76	FT.
1	D.C. ID OD	30.77	FT.
1	STB RMR OD	2.17	FT.
10	D.C. ID 6½ OD	301.13	FT.
	STB RMR OD		FT.
1	X/O	2.60	
96	STANDS DP	8776.64	FT.
1	SINGLES DP	31.60	FT.
	KELLY DOWN	18.11	FT.
	TOTAL	8827.35	FT.
WT. OF STRING 230,000			LBS.

BIT RECORD

BIT NO.	12
SIZE	8½
MFG.	Sec.
TYPE	S86
JETS 1/32"	13 13 13
SER. NO.	304381
DEPTH OUT	
DEPTH IN	9016
TOTAL FTG.	670
TOTAL HRS. RUN	75
COND. 1/8's T/B/ GAGE	8 1 1/16
GPM/ PD-PSI	

MUD RECORD

	0900	1100	1500
TIME			
WEIGHT	9.3	9.3	9.3
PRESSURE GRADIENT			
VISC.-SEC.	42	44	46
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH	9.5	9.5	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	15 sks		
GELEX	3 sks		
X-TELG	4 sks		
CAUSTIC	2 sks		

DRANGER 15.2 WT 9.2 ° F.
CENTRIFUGE 16.9 WT 9.1 ° F.

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8½	.80	FT.
1	BIT SUB	2.54	
1	STB RMR OD	20.76	FT.
1	D.C. ID OD	30.77	FT.
1	STB RMR OD	2.17	FT.
10	D.C. ID 6½ OD	301.13	FT.
	STB RMR OD		FT.
1	X/O	2.60	
96	STANDS DP	8776.64	FT.
1	SINGLES DP	31.60	FT.
	KELLY DOWN	18.11	FT.
	TOTAL	8827.35	FT.
WT. OF STRING 230,000			LBS.

BIT RECORD

BIT NO.	12
SIZE	8½
MFG.	Sec.
TYPE	S86
JETS 1/32"	13 13 13
SER. NO.	304381
DEPTH OUT	
DEPTH IN	9016
TOTAL FTG.	670
TOTAL HRS. RUN	75
COND. 1/8's T/B/ GAGE	8 1 1/16
GPM/ PD-PSI	

MUD RECORD

	1900	2100	2300
TIME			
WEIGHT	9.3	9.3+	9.3+
PRESSURE GRADIENT			
VISC.-SEC.	43	43	44
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	15 SK		
GELEX	6 LBS		
WALNUT	2 SKS		

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8½	.80	FT.
1	BIT SUB	2.54	
1	STB RMR OD	20.76	FT.
1	D.C. ID OD	30.77	FT.
1	STB RMR OD	2.17	FT.
10	D.C. ID 6½ OD	301.13	FT.
	STB RMR OD		FT.
1	X/O	2.60	
96	STANDS DP	8776.64	FT.
1	SINGLES DP	31.60	FT.
	KELLY DOWN	18.11	FT.
	TOTAL	8827.35	FT.
WT. OF STRING 230,000			LBS.

BIT RECORD

BIT NO.	12
SIZE	8½
MFG.	Sec.
TYPE	S86
JETS 1/32"	13 13 13
SER. NO.	304381
DEPTH OUT	
DEPTH IN	9016
TOTAL FTG.	670
TOTAL HRS. RUN	75
COND. 1/8's T/B/ GAGE	8 1 1/16
GPM/ PD-PSI	

MUD RECORD

	1900	2100	2300
TIME			
WEIGHT	9.3	9.3+	9.3+
PRESSURE GRADIENT			
VISC.-SEC.	43	43	44
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	15 SK		
GELEX	6 LBS		
WALNUT	2 SKS		

FOOTAGE / FORMATION — MORNING TOUR

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D.C
9559	9616	57'		DECOUDER / CENTRIFUGE	55	30	1200	5½	57	5½		S
				WE-14.1 / WE-17.3								
				OF 9.2 / OF - 9.2								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	9591	5½	S79E						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0730	6½		DRILLING 8½ HOLE
0730	0900	1½		SURVEY & TRIP
0900	0930	½		DRILLING 8½ HOLE

DRILLER

FOOTAGE / FORMATION — DAY TOUR

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D.C
1610	1676	D		KE	55	30	1200	5½	57	5½		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	1600	8		DRILLING 8½ HOLE

DRILLER

FOOTAGE / FORMATION — EVENING TOUR

FROM	TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D.C
1676	1780	D			55	30	1200	5½	57	5½		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1735	5	S7E						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1930	3½		DRILLING 8½ HOLE
1930	2000	½		SURVEY & TRIP
2000	2400	3½		DRILLING 8½ HOLE

DRILLER

Form 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23615

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Payton U.T.	4	42-329-32155-00	6-1-94
OPERATOR		**CONTRACTOR**	**RIG NO.**
Apache Corporation		LOFFLAND BROTHERS COMPANY	72
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
		B. Loeffler	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.5	E	6 5/8	XH	1	1	Ideco	Duplex	14
						2	Ideco	Duplex	14

LEGAL LAND DESCRIPTION: Payton #4 Lease 660' FSL & 660' FEL Sec. 32-15S-4E

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9 5/8		40 J-55				
		32 S-80				
		29 S-95				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6	4	7
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		1	1
WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	6	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO. D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	123
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	6 1/8	FT.
1	B.S.	2.54	
1	STB RMR OD	6 1/8	FT.
1	D.C. ID 2 1/2 OD	6 1/8	FT.
1	STB RMR OD	6 1/8	FT.
1	D.C. ID 2 1/2 OD	30.13	FT.
1	STB RMR OD	6 1/8	FT.
1		2.50	
29	STANDS DP	8782.00	FT.
1	SINGLES DP	31.51	FT.
1	KELLY DOWN	39.00	FT.
	TOTAL	9404.74	FT.
WT. OF STRING	225000		LBS.

BIT RECORD

BIT NO.	32
SIZE	6 1/8
MFG.	Sec
TYPE	S86
JETS 1/32"	18 18 18
SER. NO.	204381
DEPTH OUT	
DEPTH IN	9005
TOTAL FTG.	399
TOTAL HRS. RUN	41
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	0001	0700	0700
WEIGHT	9.3+	9.3	9.3
PRESSURE GRADIENT			
VISC.-SEC.	45	45	43
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.2	9.0	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	4 sx	Lime	1 sx
Soda Ash	2 sx	Caustic	1 sx
Drispac	4 sx		

MORNING TOUR

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
7236	7405	D		Chert w/ Lime	55	30	1200	5 1/2	57			S
				& Interbedded								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0500	5	2	Drilling 6 1/8 Hole

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	6 1/8	FT.
1	B.S.	2.54	
1	STB RMR OD	6 1/8	FT.
1	D.C. ID 2 1/2 OD	30.13	FT.
1	STB RMR OD	6 1/8	FT.
1		2.50	
29	STANDS DP	8782.00	FT.
1	SINGLES DP	31.51	FT.
1	KELLY DOWN	39.00	FT.
	TOTAL	9404.74	FT.
WT. OF STRING	225000		LBS.

BIT RECORD

BIT NO.	32
SIZE	6 1/8
MFG.	Sec
TYPE	S86
JET 1/32"	18 18 18
SER. NO.	204381
DEPTH OUT	
DEPTH IN	9005
TOTAL FTG.	399
TOTAL HRS. RUN	41
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	0800	1100	1400
WEIGHT	9.3	9.3+	9.3+
PRESSURE GRADIENT	.485	.497	.497
VISC.-SEC.	44	45	43
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Wt Mat	109 sx	for Mud Comp	
WT -	13.3+		
Vis -	65		

DAY TOUR

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
9016	9435	80'		DESANDER / CENTRIFUGE	56	30	1200	5 1/2	57	5 1/2		S
				WF - 10.7 / WF - 17.3								
				OF - 9.3 / OF - 12+								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
9400	5°	S 50E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0645	6¾		Drilling 6 1/8 Hole
0645	0745	1		Circulate Sample
0745	1100	3¼		Drilling 6 1/8 Hole

MUD CLEANING EQUIPMENT SETTING COMP.

DRILLER

EVENING TOUR

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
1485	7559	D		Chert	55	30	1200	5 1/2	57	5 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1475	5°	S 50E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1330	2½		Drlg 8¾ Hole
1330	1930	1		Wire Line Survey
1930	2400	4½		Drlg 8¾ Hole

DRILLER

C 23614

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS				

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JETS 1/32"		PV/YP			
	D.C. ID OD	FT.	SER. NO.		GELS.			
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM'D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JET 1/32"		PV/YP			
	D.C. ID OD	FT.	SER. NO.		GELS.			
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM'D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JETS 1/32"		PV/YP			
	D.C. ID OD	FT.	SER. NO.		GELS.			
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM'D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

C 23613

DAILY DRILLING REPORT

REPORT NO. 121

LEASE	WELL NO.	API WELL NUMBER	DATE
Ruston Main	W-4	8-55-16 W 123-1145	01-30-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Prod. Co.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	R. Buckle

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.5#	E	6 5/8	4 SH	1	1	Emsco	D-700	16"
						2	Emsco	D-700	16"

LEGAL LAND DESCRIPTION: Ruston Main W-4

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	7 5/8		40		8246		8246
			29.7 & 33.7				
			47 & 53.5				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	14½	8	7½
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS	3½		
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			½
	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.	STUCK	3		
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		24	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/ D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	121
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 1/2		FT.
1	Bit Sub	2.54	
1	STB RMR OD	29.26	FT.
1	D.C. ID 2 1/2 OD	30.22	FT.
1	STB RMR OD	2.69	FT.
14	D.C. ID 2 1/2 OD	424.44	FT.
	STB RMR OD		FT.
1	Xo	2.56	
67	STANDS DP	6367.32	FT.
1	SINGLES DP	31.53	FT.
	KELLY DOWN	39.00	FT.
	TOTAL	6477.41	FT.
WT. OF STRING	210,000		LBS.

BIT RECORD

BIT NO.	3
SIZE	8 1/2
MFG.	Sec
TYPE	SFF
JETS 1/32"	12 12 12
SER. NO.	2249291
DEPTH OUT	
DEPTH IN	9001
TOTAL FTG.	4
TOTAL HRS. RUN	1 1/4
COND. 1/8's T/B GAGE	R 1 1
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1		
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8 1/2	.60	FT.
1	Bit Sub	2.34	
1	STB RMR OD	29.96	FT.
1	D.C. ID 2 1/2 OD	30.77	FT.
1	STB RMR OD	2.67	FT.
14	D.C. ID 2 1/2 OD	424.13	FT.
1	STB RMR OD		FT.
1	C/O	2.50	
90	STANDS DP	8395.19	FT.
1	SINGLES DP		FT.
	KELLY DOWN	39.46	FT.
	TOTAL	8950.00	FT.
WT. OF STRING	220,000		LBS.

BIT RECORD

BIT NO.	12
SIZE	8 1/2
MFG.	Sec.
TYPE	STR
JET 1/32"	12 12 13
SER. NO.	3048391
DEPTH OUT	
DEPTH IN	9006
TOTAL FTG.	78
TOTAL HRS. RUN	9½
COND. 1/8's T/B GAGE	R 1 1/16
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0800	1200	1430
WEIGHT	9.5	9.5	9.47
PRESSURE GRADIENT			
VISC.-SEC.	42	38	42
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.0+	9.0	9.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	15-SKS		
GELEX	6-LBS		
X-TEL	64-SKS		
AUSTIN	3-SKS		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 8½	.50	FT.
1	Bit Sub	2.34	
1	STB RMR OD	29.96	FT.
1	D.C. ID 2 1/2 OD	30.77	FT.
1	STB RMR OD	2.67	FT.
14	D.C. ID 2 1/2 OD	424.13	FT.
1	STB RMR OD		FT.
1	C/O	1.50	
92	STANDS DP	8539.52	FT.
1	SINGLES DP	33.53	FT.
	KELLY DOWN	39.46	FT.
	TOTAL	9095.00	FT.
WT. OF STRING	220,000		LBS.

BIT RECORD

BIT NO.	12
SIZE	8½
MFG.	Sec
TYPE	STR
JETS 1/32"	12 12 13
SER. NO.	3048391
DEPTH OUT	
DEPTH IN	9006
TOTAL FTG.	139
TOTAL HRS. RUN	18.0
COND. 1/8's T/B GAGE	R 1 1/16
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1600		
WEIGHT	9.2+		
PRESSURE GRADIENT			
VISC.-SEC.	40		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART.-P COM.-C
9001	9011	D			50	35	1200					

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0300	3 HR	6	Run in Hole (Lay Down 45 Joints DP)
0300	0645	3	21	Pick up 45 singles
0645	0800	1 1/2	2	Drlg Cmt 9006

DRILLER

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART.-P COM.-C
9010	9084			CENTREFUGE.	50	35	1200	5½	57	5½		S
				UF - 18.3								
				OF - 9.1+								
				Dumping Clean Setting Comp.								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1400	6		Drilling 8½ Hole
				DESANDER - UF - 10.0+ - OF - 9.2 - DISCH - 5 GPM
				Check B.O.P.

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART.-P COM.-C
9054	9093	D			50	36	1200	5½	57	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
9085	5½	S8E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1400	1745	3½	2	Drilling 8½ Hole
1745	1830	½	21	Resting Survey
1830	2400	5 1/2	2	Drilling 8½ Hole

DRILLER

FORM 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23612

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Powell U.S.A.	A-7	[illegible]	2-26-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Production Co.	LOFFLAND BROTHERS COMPANY	22

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	Al Burkhart

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.5#	E	7"	NC50	1	1	Emsco	D-375	16
						2	Emsco	D-375	16

LEGAL LAND DESCRIPTION: Powell U.S.A. A-7 [illegible]

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9⅝		#/ft				
			#/ft				
			#/ft				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6.	5½	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			7½
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		2½	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	9	FT.
1	[illegible]	[illegible]	
1	STB RMR OD	[illegible]	FT.
1	D.C. ID OD	[illegible]	FT.
1	STB RMR OD	[illegible]	FT.
12	D.C. ID OD	[illegible]	FT.
1	STB RMR OD	[illegible]	FT.
59	STANDS DP	[illegible]	FT.
1	SINGLES DP		FT.
1	KELLY DOWN	[illegible]	FT.
	TOTAL	[illegible]	FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	31		
SIZE	7⅞		
MFG.	[illegible]		
TYPE	[illegible]		
JETS 1/32"			
SER. NO.	[illegible]		
DEPTH OUT	[illegible]		
DEPTH IN	[illegible]		
TOTAL FTG.	702		
TOTAL HRS. RUN	[illegible]		
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME	[illegible]	[illegible]	[illegible]
WEIGHT	9.5	[illegible]	[illegible]
PRESSURE GRADIENT			
VISC.–SEC.	[illegible]	[illegible]	[illegible]
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S.			
pH	[illegible]	[illegible]	[illegible]
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
[illegible]	[illegible]	[illegible]	
[illegible]	9	[illegible]	
[illegible]	4	[illegible]	
[illegible]	1	[illegible]	

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COMP.–C
8410	8784	D			50	30	[illegible]	5½	[illegible]	[illegible]		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6		Drlg. F/8410

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	9	FT.
1	[illegible]	[illegible]	
1	STB RMR OD	[illegible]	FT.
1	D.C. ID OD	[illegible]	FT.
1	STB RMR OD	[illegible]	FT.
12	D.C. ID OD	[illegible]	FT.
1	STB RMR OD	[illegible]	FT.
1	[illegible]	[illegible]	
59	STANDS DP	[illegible]	FT.
1	SINGLES DP	[illegible]	FT.
1	KELLY DOWN	[illegible]	FT.
	TOTAL	[illegible]	FT.
	WT. OF STRING	[illegible]	LBS.

BIT RECORD

BIT NO.	31		
SIZE	[illegible]		
MFG.	[illegible]		
TYPE	[illegible]		
JET 1/32"			
SER. NO.	[illegible]		
DEPTH OUT	[illegible]		
DEPTH IN	[illegible]		
TOTAL FTG.	[illegible]		
TOTAL HRS. RUN	[illegible]		
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME	0800	1200	[illegible]
WEIGHT	9.4+	9.4+	9.4+
PRESSURE GRADIENT			
VISC.–SEC.	38	38	37
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S.			
pH	9.5	9.5	9.0+
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	5-SK		
GELEX	2-25		
X-AL-GI-SK			

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.–S PARL.–P COMP.–C
8784	9001	D		DUMP & CLEAN MUD NO. 2 SETTLING COMP.	50	30	[illegible]	5½	54	5½		5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8784	5¼	S84E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1900	13½		DRILLING F/8784
1900	1945	¾		CIRCULATE SAMPLE, DROP SURV.
1945	2030	¾		DRILLING F/8810
2030	2115	¾		CIRCULATE SAMPLE, DROP SURV.
2115	2145	½		DRILLING F/8835
2145	2230	¾		CIRCULATE SAMPLE (CHANGE ASSEMBLY)
2230	2400	1½		DRILLING F/8866

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	9	FT.
1	[illegible]	[illegible]	
1	STB RMR OD	[illegible]	FT.
1	D.C. ID OD	[illegible]	FT.
1	STB RMR OD	[illegible]	FT.
12	D.C. ID OD	[illegible]	FT.
1	STB RMR OD	[illegible]	FT.
1	[illegible]	[illegible]	
59	STANDS DP	[illegible]	FT.
1	SINGLES DP	[illegible]	FT.
1	KELLY DOWN	[illegible]	FT.
	TOTAL	[illegible]	FT.
	WT. OF STRING	[illegible]	LBS.

BIT RECORD

BIT NO.	31		
SIZE	[illegible]		
MFG.	[illegible]		
TYPE	[illegible]		
JETS 1/32"			
SER. NO.	[illegible]		
DEPTH OUT	[illegible]		
DEPTH IN	[illegible]		
TOTAL FTG.	[illegible]		
TOTAL HRS. RUN	[illegible]		
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COMP.–C
9001												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
[illegible]	[illegible]	[illegible]		[illegible]

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23611

DAILY DRILLING REPORT

REPORT NO. 115

LEASE	WELL NO.	API WELL NUMBER	DATE
Ryan Ltd	A-4	05-045-20132	11-9-72
OPERATOR	**CONTRACTOR**		**RIG NO.**
Rocky Mtn Exp	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		
J. Boyer	A. Kirby		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	XH	1	1	Ideco	D-1000	15
						2	Ideco	D-700	11

LEGAL LAND DESCRIPTION: Rocky Mountain H-25

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
7"				8400		8400

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	5	13	4½
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			3½
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		5	13	6

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	115		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	0 FT.	BIT NO.	31	TIME	0800	1200	1400
1	8" NMDC	30.42 FT.	SIZE	8 3/4	WEIGHT	9.4	9.5	9.5
1	STB RMR OD	8" FT.	MFG.	Christ	PRESSURE GRADIENT			
1	D.C. ID OD	8" FT.	TYPE	M-DT	VISC.-SEC.	38	41	41
1	STB RMR OD	8" FT.	JETS 1/32"		PV/YP	/	/	/
1	D.C. ID OD	8" FT.	SER. NO.	EC5746	GELS	/	/	/
1	STB RMR OD	8" FT.	DEPTH OUT		WL -CC'S			
1	8"	30.42	DEPTH IN	8295	pH	7.5	mc	mc
			TOTAL FTG.	439	SOLIDS %			
			TOTAL HRS. RUN	11.5				
12	STANDS DP	8" FT.	COND. 1/8's T/B GAGE	R / /	MUD & CHEMICALS ADDED			
1	SINGLES DP	8" FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	8" FT.			Lig mix	150		
	TOTAL	8" FT.			Gel	4	Lime	20
WT. OF STRING	98000	LBS.			Lime	2	Caus	2

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	0 .95 FT.	BIT NO.	31	TIME	0800	1200	1400
1	8" NMDC	30.42 FT.	SIZE	8 3/4	WEIGHT	9.4	9.5	9.5
1	STB RMR OD	8" FT.	MFG.	Christ	PRESSURE GRADIENT			
1	D.C. ID OD	8" FT.	TYPE	M-DT	VISC.-SEC.	39	37	37
1	STB RMR OD	8" FT.	JET 1/32"		PV/YP	/	/	/
1	D.C. ID OD	8" FT.	SER. NO.	EC5720	GELS	/	/	/
1	STB RMR OD	8" FT.	DEPTH OUT		WL -CC'S			
1	8"	3.50	DEPTH IN	8295	pH	10.0	10.0	9.5
			TOTAL FTG.	439	SOLIDS %			
			TOTAL HRS. RUN	12.0				
12	STANDS DP	8" FT.	COND. 1/8's T/B GAGE	R / /	MUD & CHEMICALS ADDED			
2	SINGLES DP	8" FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	8" FT.						
	TOTAL	8" FT.						
WT. OF STRING	103000	LBS.						

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	0 FT.	BIT NO.	31	TIME	1600		
		FT.	SIZE	8 3/4	WEIGHT	9.5		
	STB RMR OD	FT.	MFG.	Christ	PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE	M-DT	VISC.-SEC.	35		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/
	D.C. ID OD	FT.	SER. NO.	EC5720	GELS	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN	9280	pH	9.5		
			TOTAL FTG.	544	SOLIDS %			
			TOTAL HRS. RUN	13½				
	STANDS DP	FT.	COND. 1/8's T/B GAGE	R / /	MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.,S PAR'EL-P COM'D-C
8295	8912	D		Dakota Sand #1	80	30	1300	5½	54	5½	55	S
				Shale	85	30	1300	5½	54	5½	55	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8	2	Drilling 8912'

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.,S PAR'EL-P COM'D-C
8912	8941	29			80	30	1300	5½	54	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1000	2	2	Drilling 8941'

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.,S PAR'EL-P COM'D-C
8941	8941	0			80	30	1300	5½	54	5½		S
					75	30	1200	5½	54	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1730	1½	2	Drilling 8" hole
1730	1800	½	5	Hook for wash out in swivel pull out 2 stands wash out & 1 stand
1800	2400	6	2	Drilling 8" hole
0000	0800	8	2	Drilling 8" hole

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23610

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T. B. GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T.B. GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T.B. GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	
WEIGHT	
PRESSURE GRADIENT	
VISC.-SEC.	
PV/YP	
GELS.	
WL -CC'S.	
pH	
SOLIDS %	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23609

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	0	75 FT.
1	3½ DRILL COLLARS	540	
1	STB RMR OD	9.71	FT.
1	D.C. ID OD	30.22	FT.
1	STB RMR OD	9.10	FT.
10	D.C. ID OD	304.60	FT.
1	STB RMR OD	2.60	FT.
	5½	2.50	
	STANDS DP	5450.50	FT.
2	SINGLES DP	13.60	FT.
	KELLY DOWN	44.20	FT.
	TOTAL	6264.80	FT.
WT. OF STRING		140,000	LBS.

BIT RECORD

BIT NO.	31
SIZE	8¾
MFG.	CHRIS
TYPE	MD3J1
JETS 1/32"	
SER. NO.	EL57420
DEPTH OUT	
DEPTH IN	8265
TOTAL FTG.	411
TOTAL HRS. RUN	9¾
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	0700	1200	1400
WEIGHT	9.2	9.3	9.4
PRESSURE GRADIENT			
VISC.-SEC.	38	40	40
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	10.0	10.0	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	5	Lime	2
Caustic	2	X-Pert	4

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.
8265	8275	10	

FORMATION (SHOW CORE RECOVERY): DES - 1 CIRC; DIS - 5½ GPM; OF - 9.2?; UF - 4.9?

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COMP.-C
50	20	2100	5½				5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6	2	Drilling 8¾ Hole

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	0	.95 FT.
1	3½ DRILL COLLARS	5.62	
1	STB RMR OD	29.76	FT.
1	D.C. ID OD	30.97	FT.
1	STB RMR OD	2.67	FT.
10	D.C. ID OD	304.63	FT.
1	STB RMR OD	2.60	FT.
	5½	2.50	
37	STANDS DP	8100.28	FT.
	SINGLES DP		FT.
	KELLY DOWN	42.46	FT.
	TOTAL	8536.00	FT.
WT. OF STRING		211000	LBS.

BIT RECORD

BIT NO.	31
SIZE	8¾
MFG.	CHRIS
TYPE	MD3J1
JETS 1/32"	
SER. NO.	EL57420
DEPTH OUT	
DEPTH IN	8250
TOTAL FTG.	421
TOTAL HRS. RUN	8¾
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	0800	1200	1400
WEIGHT	9.3	9.3	9.4+
PRESSURE GRADIENT			
VISC.-SEC.	40	37	37
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.0	9.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	10 LBS		
GELEX	4 LBS		
X-PERT	4 SKS		
CAUSTIC	3 SKS		

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.
8275	8506	21	
8513			

FORMATION (SHOW CORE RECOVERY): DES - 1 CIRC; DIS - 5½ GPM; OF - 9.3; UF - 10.6?

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COMP.-C
90	30	2120	5½	55	6½		5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8700	5¾	TOCO						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0630	½	2	DRILLING 8¾ HOLE
0630	0700	½	8	WIRELINE SURVEY (TOCO)
0700	0945	2¼	2	DRILLING 8¾ HOLE
0945	1115	1½	5	WORK ON ROTARY CHAIN SPROCKET MOUNTING BOLT
1115	1600	4¾	2	DRILLING 8¾ HOLE

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	0	.75 FT.
1	3½ DRILL COLLARS	5.62	
1	STB RMR OD	29.76	FT.
1	D.C. ID OD	30.97	FT.
1	STB RMR OD	2.67	FT.
10	D.C. ID OD	304.63	FT.
1	STB RMR OD	2.60	FT.
	5½	2.50	
37	STANDS DP	8100.28	FT.
1	SINGLES DP	31.52	FT.
	KELLY DOWN	42.46	FT.
	TOTAL	8536.00	FT.
WT. OF STRING		214000	LBS.

BIT RECORD

BIT NO.	31
SIZE	8¾
MFG.	CHRIS
TYPE	MD3J1
JETS 1/32"	
SER. NO.	EL57420
DEPTH OUT	
DEPTH IN	8265
TOTAL FTG.	541
TOTAL HRS. RUN	9¾
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	1630		
WEIGHT	9.4		
PRESSURE GRADIENT			
VISC.-SEC.	42		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.
8826	8881		

FORMATION (SHOW CORE RECOVERY):

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COMP.-C
90	30		5½		6½		5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2200	6½	2	DRILLING 8¾ HOLE
2200	2230	½	5	MIX SWEEP AND PUMP FOR CIRC.
2230	0030	2	2	DRILLING 8¾ HOLE
0030	0130	1	5	CIRC.
0130	0430	3	3	TRIP OUT FOR BIT

DRILLER

FORM 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT
CONSERVATION
JUL 4 1974
YELLOWKNIFE, N.W.T.

C 23608

DAILY DRILLING REPORT

REPORT NO. 116

LEASE	WELL NO.	API WELL NUMBER	DATE
Nunes Mauldin	A-4	A-55-40-30-123-01-45	4/24/72

OPERATOR	CONTRACTOR	RIG NO.
Nunes Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8	4 1/2 IF	1	1	Emsco	D-1000	14
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8		40.50	240	4210		4210
			43.00				
			47.00				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/2	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	14	7
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			1
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		1/2	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8	15	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	116		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	0	.95 FT.
1	[illegible]	562	
1	STB RMR OD	23.26	FT.
1	D.C. ID OD	30.97	FT.
1	STB RMR OD	2.67	FT.
11	D.C. ID OD	340.43	FT.
1	STB RMR OD	2.50	FT.
85	STANDS DP	7912.00	FT.
1	SINGLES DP	31.50	FT.
	KELLY DOWN	31.00	FT.
	TOTAL	8127.00	FT.
WT. OF STRING	210,000	LBS.	

BIT RECORD

BIT NO.	31
SIZE	8 3/4
MFG.	Chris
TYPE	MD331
JETS 1/32"	[illegible]
SER. NO.	[illegible]
DEPTH OUT	
DEPTH IN	8285
TOTAL FTG.	342
TOTAL HRS. RUN	53 1/4
COND. 1/8's T/B/ GAGE	[illegible]
GPM/ PD-PSI	

MUD RECORD

TIME	0200	0330	
WEIGHT	9.4	9.3+	
PRESSURE GRADIENT	.470		
VISC.-SEC.	42	41	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	7.5		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	30 SACKS		
Gel & Starch	7 SACKS		
Pipe Lube	4 GAL		

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	0	.95 FT.
1	3PT Rmr	562	
1	STB RMR OD	23.26	FT.
1	D.C. ID OD	30.97	FT.
1	STB RMR OD	2.67	FT.
11	D.C. ID OD	340.43	FT.
1	STB RMR OD	2.50	FT.
86	STANDS DP	8005.85	FT.
1	SINGLES DP	31.50	FT.
	KELLY DOWN	31.00	FT.
	TOTAL	8127.35	FT.
WT. OF STRING	210,000	LBS.	

BIT RECORD

BIT NO.	31
SIZE	8 3/4
MFG.	Chris
TYPE	MD331
JETS 1/32"	[illegible]
SER. NO.	[illegible]
DEPTH OUT	
DEPTH IN	8285
TOTAL FTG.	342
TOTAL HRS. RUN	53 1/4
COND. 1/8's T/B/ GAGE	[illegible]
GPM/ PD-PSI	

MUD RECORD

TIME	0200	0330	
WEIGHT	9.3	9.3+	
PRESSURE GRADIENT	.470		
VISC.-SEC.	42	41	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	7.5		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	30 SACKS		
Gel & Starch	7 SACKS		
Pipe Lube	4 GAL		

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	0	.95 FT.
1	3PT Rmr	562	
1	STB RMR OD	23.26	FT.
1	D.C. ID OD	30.97	FT.
1	STB RMR OD	2.67	FT.
11	D.C. ID OD	340.43	FT.
1	STB RMR OD	2.50	FT.
86	STANDS DP	8005.85	FT.
1	SINGLES DP	31.50	FT.
	KELLY DOWN	31.00	FT.
	TOTAL	8127.35	FT.
WT. OF STRING	210,000	LBS.	

BIT RECORD

BIT NO.	31
SIZE	8 3/4
MFG.	Chris
TYPE	MD331
JETS 1/32"	[illegible]
SER. NO.	[illegible]
DEPTH OUT	
DEPTH IN	8285
TOTAL FTG.	342
TOTAL HRS. RUN	53 1/4
COND. 1/8's T/B/ GAGE	[illegible]
GPM/ PD-PSI	

MUD RECORD

TIME	1600	2000	2200
WEIGHT	9.3	9.2+	9.3
PRESSURE GRADIENT			
VISC.-SEC.	38	38	39
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	10.0	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	8 SKS	Caustic	2 SKS
Gelex	4 LBS		
W/L-101	1-SK		
X-Tel-G	4-SK		

EVENING TOUR

FOOTAGE / FORMATION / DRILLER

FROM	TO	DR.D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PARFL-P COM-C
8596	8627	D		31	80	30	2400	5 1/2	55	5 1/2	57	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2001	0800	8		Drlg 8 3/4 Hole

DRILLER [illegible]

FOOTAGE / FORMATION / DRILLER

FROM	TO	DR.D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PARFL-P COM-C
8627	8712				80	30	1400	5 1/2	55	5 1/2	55	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1030	2 1/2	2	Drlg 8 3/4 Hole
1030	1245	2	15	Circ & Bld Cond Trip
1245	1400	1 1/2	2	Drlg 8 3/4 Hole

DRILLER [illegible]

FOOTAGE / FORMATION / DRILLER

FROM	TO	DR.D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PARFL-P COM-C
8627	8712	45'		DES - 1 CORE	80	30	2400	5 1/2	55	5 1/2		S
				DIS - 6 GAM								
				LE - 9.7+								
				CE - 9.2+								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8760								

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
[illegible]	2300	7		Drlg 8 3/4 Hole
2300	2400	1		Circ & Cond Mud for Trip

DRILLER [illegible]

EVENING TOUR

Form 3T6

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23607

DAILY DRILLING REPORT REPORT NO. 115

LEASE	WELL NO.	API WELL NUMBER	DATE
Rowan Mex	A-4	30-025-[illegible]	6/23/74
OPERATOR	CONTRACTOR		RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	Emsco	D-100	14
						2	Emsco	D-200	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
7⅝		[illegible]	240	5210		5210
		[illegible]				
		[illegible]				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	5	7
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			1
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	5	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 115

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	[illegible] FT.	BIT NO.	31	TIME	0200	0500	0700
1	[illegible]	5.62	SIZE	9 7/8	WEIGHT	9.5	10+	7.3
	STB RMR OD	FT.	MFG.	[illegible]	PRESSURE GRADIENT			
1	D.C. ID OD	30.17 FT.	TYPE	HP 731	VISC.-SEC.	40	42	41
1	STB RMR OD	2.61 FT.	JETS 1-32"		PV/YP	/	/	/
11	D.C. ID OD	[illegible] FT.	SER. NO.	[illegible]	GELS	/	/	/
1	STB RMR OD	2.30 FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN	9285	pH	10	10.5	10.5
			TOTAL FTG.	201	SOLIDS %	[illegible]	[illegible]	[illegible]
			TOTAL HRS. RUN	32½		[illegible]	[illegible]	[illegible]
33	STANDS DP	9723.77 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	62.12 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	37.01 FT.			[illegible]	4 SAX		
	TOTAL	9836.00 FT.			[illegible]	30 SAX		
WT. OF STRING	208000 LBS.				[illegible]	7 SAX		
					[illegible]	2 SAX		

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT [illegible]	FT.	BIT NO.	31	TIME	[illegible]	[illegible]	[illegible]
1	[illegible]	5.62	SIZE	9 7/8	WEIGHT	9.5	10+	7.3
	STB RMR OD	FT.	MFG.	[illegible]	PRESSURE GRADIENT			
1	D.C. ID OD	30.17 FT.	TYPE	HP 731	VISC.-SEC.	40	42	41
1	STB RMR OD	2.61 FT.	JET 1/32"		PV/YP	/	/	/
11	D.C. ID OD	[illegible] FT.	SER. NO.	[illegible]	GELS	/	/	/
1	STB RMR OD	2.30 FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN	9285	pH	10	10.5	10.5
			TOTAL FTG.	201	SOLIDS %	[illegible]	[illegible]	[illegible]
			TOTAL HRS. RUN	32½		[illegible]	[illegible]	[illegible]
33	STANDS DP	9723.77 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	62.12 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	37.01 FT.			[illegible]	4 SAX		
	TOTAL	9836.00 FT.			[illegible]	30 SAX		
WT. OF STRING	208000 LBS.				[illegible]	7 SAX		
					[illegible]	2 SAX		

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARTEL-P COM'D-C
9452	9486	D		34	80	30	2140	5½	55			S
							2100			5½	57	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		Drlg 8¾ hole

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT [illegible]	FT.	BIT NO.	31	TIME	[illegible]	[illegible]	[illegible]
1	[illegible]	[illegible]	SIZE	[illegible]	WEIGHT	[illegible]	[illegible]	[illegible]
	STB RMR OD	FT.	MFG.	[illegible]	PRESSURE GRADIENT			
1	D.C. ID OD	[illegible] FT.	TYPE	[illegible]	VISC.-SEC.	[illegible]	[illegible]	[illegible]
1	STB RMR OD	[illegible] FT.	JET 1/32"		PV/YP	/	/	/
1	D.C. ID OD	[illegible] FT.	SER. NO.	[illegible]	GELS	/	/	/
1	STB RMR OD	[illegible] FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN	[illegible]	pH	[illegible]	[illegible]	[illegible]
			TOTAL FTG.	[illegible]	SOLIDS %	[illegible]	[illegible]	[illegible]
			TOTAL HRS. RUN	[illegible]				
[illegible]	STANDS DP	[illegible] FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	[illegible] FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	[illegible] FT.						
	TOTAL	[illegible] FT.						
WT. OF STRING	[illegible] LBS.							

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARTEL-P COM'D-C
9452	9540	D			50	30	[illegible]			[illegible]	[illegible]	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT [illegible]	FT.	BIT NO.	31	TIME	22	2300	24
1	[illegible]	[illegible]	SIZE	[illegible]	WEIGHT	7.4	7.4	7.4
	STB RMR OD	FT.	MFG.	[illegible]	PRESSURE GRADIENT			
1	D.C. ID OD	[illegible] FT.	TYPE	[illegible]	VISC.-SEC.	[illegible]	[illegible]	[illegible]
1	STB RMR OD	[illegible] FT.	JETS 1/32"		PV/YP	/	/	/
1	D.C. ID OD	[illegible] FT.	SER. NO.	[illegible]	GELS	/	/	/
1	STB RMR OD	[illegible] FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN	[illegible]	pH	[illegible]	[illegible]	[illegible]
			TOTAL FTG.	[illegible]	SOLIDS %	[illegible]	[illegible]	[illegible]
			TOTAL HRS. RUN	[illegible]				
[illegible]	STANDS DP	[illegible] FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	[illegible] FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	[illegible] FT.			[illegible]	[illegible]		
	TOTAL	[illegible] FT.			[illegible]	[illegible]		
WT. OF STRING	[illegible] LBS.							

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARTEL-P COM'D-C
9515	9596	D	5	[illegible]	[illegible]	30	[illegible]	5½		[illegible]	[illegible]	C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2540	3¼	[illegible]						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
[illegible]	1215	1¼	[illegible]	[illegible]
1215	1315	1	[illegible]	[illegible]
[illegible]	2400	[illegible]	[illegible]	[illegible]

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23606

DAILY DRILLING REPORT

REPORT NO. 114

LEASE	WELL NO.	API WELL NUMBER	DATE
Hunter Ltd.	A-4	A-55-60-30-123-W-45	6/22/74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	A. H. Finch

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
5"	19.50	E	6 5/8	4 1/2 F.H.	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-700	14
2	Emsco	D-700	14

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	7 5/8		26.4 & 29.7	240	8210		8210
			26.4 & 29.7				
			26.4 & 29.7				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	8	9 1/2	4 1/2
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG			
8	REPAIR RIG		1/2	3/4
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY		1	
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	15	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	114		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	8 .75 FT.	BIT NO.	31	TIME	0100	0430	0820
1	3 Pt Reamer	5.62	SIZE	8 3/4	WEIGHT	9.5	9.5	9.4
1	STB RMR OD	27.76 FT.	MFG.	Smith	PRESSURE GRADIENT	.415	.415	
1	D.C. ID 2 1/2 OD	30.77 FT.	TYPE	MF331	VISC.-SEC.	39	39	40
1	STB RMR OD	2.67 FT.	JETS 1/32"		PV/YP	17/3	/	/
11	D.C. ID OD	570.13 FT.	SER. NO.	EC-5420	GELS	1/2	/	/
1	STB RMR OD	2.50 FT.	DEPTH OUT	8295	WL -CC'S	10.0	10.	
			DEPTH IN	8295	pH	10.0	10.	9.5
			TOTAL FTG.	116	SOLIDS %	9		
			TOTAL HRS. RUN	14-3		Smooth	.15	
32	STANDS DP	7621.14 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	63.94 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	40.78 FT.			A-Pac G	30 SX		
	TOTAL	8376.00 FT.						
WT. OF STRING	206,000 LBS.							

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PARFL-P COMP'D-C
8323	8396	D		73	95	30	1700	5 1/2		5 1/2	58	S
										5 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		Drlg 83 Hrs

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	8 .75 FT.	BIT NO.	31	TIME	0800	1200	1600
1	3 Pt Reamer	5.62	SIZE	8 3/4	WEIGHT	9.4	9.4	9.4
1	STB RMR OD	27.76 FT.	MFG.	Smith	PRESSURE GRADIENT			
1	D.C. ID 2 1/2 OD	30.77 FT.	TYPE	MF331	VISC.-SEC.	40	40	40
1	STB RMR OD	2.67 FT.	JET 1/32"		PV/YP	/	/	/
11	D.C. ID OD	570.13 FT.	SER. NO.	EC-5420	GELS	/	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S			
1	Sub	2.50	DEPTH IN	8295	pH	9.5	9.5	9.5
			TOTAL FTG.	146	SOLIDS %			
			TOTAL HRS. RUN	15				
32	STANDS DP	7723.77 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	30.41 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	14.00 FT.						
	TOTAL	8423.96 FT.						
WT. OF STRING	208,000 LBS.							

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PARFL-P COMP'D-C
8325	8431	D			95	30	1700			5 1/2	57	S
					EC	30	1700			5 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8360	3 3/4	N53E						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0830	8 1/2	2	Drlg F/8325 W/ EC
0830	0930	1	10	Survey
0930	1000	1/2	8	Work on Shale Shaker
1000	1430	4 1/2	2	Drlg F/8360 W/ EC
1430	1530	1	8	Work on D.P.
1530	1600	1/2	2	Drlg F/8431 W/ EC

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	8 .75 FT.	BIT NO.	31	TIME			2300
1	3 Pt Reamer	5.62	SIZE	8 3/4	WEIGHT			9.4
1	STB RMR OD	27.76 FT.	MFG.	Smith	PRESSURE GRADIENT			
1	D.C. ID OD	30.77 FT.	TYPE	MF331	VISC.-SEC.			40
1	STB RMR OD	2.67 FT.	JETS 1/32"		PV/YP	/	/	/
11	D.C. ID OD	570.13 FT.	SER. NO.	EC-5420	GELS	/	/	/
1	STB RMR OD	2.50 FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN	8295	pH			9.5
			TOTAL FTG.	129	SOLIDS %			
			TOTAL HRS. RUN	24 1/2				
33	STANDS DP	7723.77 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	30.41 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	14.00 FT.						
	TOTAL	8423.96 FT.						
WT. OF STRING	208,000 LBS.							

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PARFL-P COMP'D-C
8431	8452	D		21	EC	30	1700			5 1/2	59	S
					50	30	1700	5 1/2	55			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1645	2 3/4	2	Drlg F/8431 W/ EC
1645	1700	1/4	6	Make 3 std wiper trip
1700	2330	6 1/2		Change over Rig
2330	2400	1/2		Drlg F/8452 W/ EC

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23605

DAILY DRILLING REPORT

REPORT NO. 113

LEASE	WELL NO.	API WELL NUMBER	DATE
Fund Hudson	A-4	A-55-60-30-123-W-45	6/21/74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A. Lushka

LEGAL LAND DESCRIPTION

	D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
	5"	19.50	E	6 1/4	4 1/2 FH	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-1000	18
2	Emsco	D-700	12

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	7"		23 N80	240	9210		9210
			6.5 N80				
			47 N80 S				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/4	10	80

FT. CUT OFF 80 | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	7½		6½
3.	REAMING			1
4.	CORING			
5.	CONDITION MUD & CIRCULATE			½
6.	TRIPS	½	1	
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE		1½	
10.	DEVIATION SURVEY	½		
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.	OTHER		½	
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	113
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 82	.50	FT.
1	6 DC 6½	2.84	
1	STB RMR OD	24.76	FT.
1	D.C. ID OD	241.71	FT.
1	STB RMR OD	2.67	FT.
10	D.C. ID OD	316.62	FT.
	STB RMR OD		FT.
1	12¼ Bit	2.30	
51	STANDS DP	7514.44	FT.
2	SINGLES DP	63.13	FT.
	KELLY DOWN	27.29	FT.
	TOTAL	8295.00	FT.
WT. OF STRING	206 000		LBS.

BIT RECORD			
BIT NO.	31		
SIZE	8½		
MFG.	HTC		
TYPE	J-22		
JETS 1 32"	13 13 13		
SER. NO.	L6651		
DEPTH OUT	8295		
DEPTH IN	7210		
TOTAL FTG.	75		
TOTAL HRS. RUN	15¼		
COND. 1/8's T/B/ GAGE	3 2 7		
GPM/ PD–PSI	/	/	/

MUD RECORD			
TIME	0230	0500	0700
WEIGHT	7.2	7.2	9.2
PRESSURE GRADIENT			
VISC.–SEC.	38	38	31
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	7.5	7.5	9.6
SOLIDS %			

MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.
GEL	1500		
X POLY	25		
CAUST	3		
CAL	12		

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR.EL–P COMP.D–C
8260	8295	D		35'	55	45	1100	6½	36			S
										6½	53	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	8280	2	NWE						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2001	0715	7¼		Drlg 82 Hrs
0715	0745	½		Circ Sample & Mix Mud for T. Trip
0745	0800	¼		Misc.

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT		FT.
1	3 Pt Bit	5.42	
1	STB RMR OD	22.76	FT.
1	D.C. ID OD	30.72	FT.
1	STB RMR OD	2.67	FT.
12	D.C. ID OD	360.63	FT.
	STB RMR OD		FT.
1	5¾	2.50	
51	STANDS DP	7580.44	FT.
2	SINGLES DP	63.13	FT.
	KELLY DOWN	27.29	FT.
	TOTAL	8295.00	FT.
WT. OF STRING	206 000		LBS.

BIT RECORD			
BIT NO.	31		
SIZE	8¾		
MFG.	HTC		
TYPE	J-22		
JET 1/32"	13 13 13		
SER. NO.	L6651		
DEPTH OUT	8295		
DEPTH IN	8265		
TOTAL FTG.	30		
TOTAL HRS. RUN	6½		
COND. 1/8's T/B/ GAGE	3 2 7		
GPM/ PD–PSI	/	/	/

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL.–S PAR.EL–P COMP.D–C
8265												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1000	3	6	Hunt for Bit
1000	1030	½	21	Change out Bit, Pick up 307 Bit, Retrieve Survey
1030	1130	1	6	Rih w/ 10 Bit-E Drill Collars
1130	1400	2½	7	Slip & Cut Drlg Line
1400	1600	2	6	Rih w/ 10 Bit

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT		FT.
1	3 Pt Bit	5.42	
1	STB RMR OD	2.76	FT.
1	D.C. ID OD	301.71	FT.
1	STB RMR OD	2.67	FT.
11	D.C. ID OD	310.62	FT.
1	STB RMR OD	2.30	FT.
52	STANDS DP	7621.14	FT.
	SINGLES DP		FT.
	KELLY DOWN	30.76	FT.
	TOTAL	8323.00	FT.
WT. OF STRING	206 000		LBS.

BIT RECORD			
BIT NO.	31		
SIZE	8¾		
MFG.	HTC		
TYPE	J-22		
JETS 1/32"	13 13 13		
SER. NO.	L6651		
DEPTH OUT	8265		
DEPTH IN	8295		
TOTAL FTG.	38		
TOTAL HRS. RUN	6½		
COND. 1/8's T/B/ GAGE	3 2 7		
GPM/ PD–PSI	/	/	/

MUD RECORD			
TIME	1600	2100	2330
WEIGHT	9.2	7.4	9.4
PRESSURE GRADIENT			
VISC.–SEC.	37	38	52
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR.EL–P COMP.D–C
8265	8323	D		38'	75	30	1100			5½	56	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1	3	Rih w/ Bit #5 To 8265
1700	1730	½	5	Circ & Rot Bit Free
1730	2400	6½		Drlg 8323 Hrs

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23604

DAILY DRILLING REPORT REPORT NO. 1 1/2

LEASE	WELL NO.	API WELL NUMBER	DATE
[illegible] Ranch Unit	A-4	30-025-20-30-123-W-45	6/20/74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 IF	1	1	Emsco	D-375	16
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8		48 H40	240	8210		8210
			54.5 N80				
			47 N80	105			

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 7/8	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL		6 1/2	13
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	10	2	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.	4		
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER		10	1
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	14	8	2

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	1 1/2		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		.40 FT.
1	[illegible]		3.84
1	STB RMR OD		24.76 FT.
1	D.C. ID OD		30.77 FT.
1	STB RMR OD		2.67 FT.
11	D.C. ID OD		310.65 FT.
	STB RMR OD		FT.
1	[illegible]		2.50
21	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	31	
SIZE	8 1/2	
MFG.	[illegible]	
TYPE	X-DV	
JETS 1/32"	13 13 12	
SER. NO.	[illegible]	
DEPTH OUT		
DEPTH IN	9210	
TOTAL FTG.		
TOTAL HRS. RUN		
COND. 1/8's T/B/ GAGE		
GPM/ PD-PSI	/	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
1	[illegible]		3.54
1	STB RMR OD		27.71 FT.
1	D.C. ID OD		30.79 FT.
1	STB RMR OD		2.67 FT.
11	D.C. ID OD		310.63 FT.
1	[illegible]		2.50
21	STANDS DP		752.44 FT.
	SINGLES DP		FT.
	KELLY DOWN		39.00 FT.
	TOTAL		9312.07 FT.
WT. OF STRING			205000 LBS.

BIT RECORD

BIT NO.	31	
SIZE	8 1/2	
MFG.	[illegible]	
TYPE	X-DV	
JET 1/32"	13 13 12	
SER. NO.	[illegible]	
DEPTH OUT	8210	
DEPTH IN	8210	
TOTAL FTG.	0	
TOTAL HRS. RUN	1 1/2	
COND. 1/8's T/B/ GAGE	[illegible]	
GPM/ PD-PSI	/	

MUD RECORD

TIME		2 PM	10P
WEIGHT	7	9.1	9.6
PRESSURE GRADIENT	.4	.470	
VISC.-SEC.	1	50	52
PV/YP	1 /	/	/
GELS.	1 /	/	/
WL -CC'S.	4		
pH		10.5	12.5
SOLIDS %	3		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	175	SAPP	
Gel-X	25	SAPP	
Gel-LIG	1	CMC	

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		.90 FT.
1	[illegible]		3.39
1	STB RMR OD		27.71 FT.
1	D.C. ID OD		30.77 FT.
1	STB RMR OD		2.67 FT.
11	D.C. ID OD		310.63 FT.
1	[illegible]		2.50
21	STANDS DP		752.44 FT.
	SINGLES DP		31.50 FT.
	KELLY DOWN		39.00 FT.
	TOTAL		9220.00 FT.
WT. OF STRING			205000 LBS.

BIT RECORD

BIT NO.	31	
SIZE	8 1/2	
MFG.	[illegible]	
TYPE	X-DV	
JETS 1/32"	13 13 12	
SER. NO.	[illegible]	
DEPTH OUT	8210	
DEPTH IN	8210	
TOTAL FTG.	40	
TOTAL HRS. RUN	2	
COND. 1/8's T/B/ GAGE	[illegible]	
GPM/ PD-PSI	/	

MUD RECORD

TIME	11PM	2000	2130
WEIGHT	9.1	9.1	9.1
PRESSURE GRADIENT			
VISC.-SEC.	34	38	40
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	10.5	9.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PAR'EL-P COM'P-C
8210								6 1/4				
											42	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001				Pressure Test Manifold, Hydril, Kelly, Kelly Cock, Pipe Rams To 3,000 PSI
	0615	6 1/4		15 Min Each, Pressure Test Casing + Blind Rams To 600 PSI Held 15 Min.
0615	0900	1 3/4		Make Up Bit Subs Pick Up Bit [illegible] Trip In Hole W/ Drill Pipe Stabilizer Assembly From Bit To 8210 + Rig Service Inc.

DRILLER [illegible]

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SCL-S PAR'EL-P COM'P-C
8210	8212	D		Check Kelly Cock + Pipe Rams	30	12/20	1100	6 1/2	40			S
"	"											

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1000	4	6	Rig Service + Test BOP
1000	1030	1/2	2	Break Circ
1030	1445	4 1/4	2	Drill 8212 To 8241 (Torque 6 @ 35)
1445	1500	1/4	10	Survey @ 8212 (Torque 6 @ 30)

DRILLER [illegible]

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SCL-S PAR'EL-P COM'P-C
8212	8250	D		38	45	25	1350	6 1/4	42			S
											32	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1500	1645	2 1/4	2	Drill 8241 To 8250
1645	1715	1/2	5	Circ / Mud
1715	1900	3 1/4	21	Take Four Runs On Formation
1900	2400	6	2	Drill 8250 To 8262

DRILLER [illegible]

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23603

DAILY DRILLING REPORT

REPORT NO. 111

LEASE	WELL NO.	API WELL NUMBER	DATE
Lontex Mountain	A-4	A-55-10-30-123-4-45	6-1974

OPERATOR	CONTRACTOR	RIG NO.
Amoco Co. 33 Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Rushby

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8	4 1/2 IF	1	1	Emsco	D-1000	18
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	7 5/8		26 N80	240	9310	0	9310
			23# N80				
			47 P110				

WIRE LINE RECORD: SIZE 1.75" | NO. LINES 10 | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.	8	3	
15. TEST B.O.P.		5	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.		3	3
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	11	5

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	111		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/ / /
	D.C. ID OD	FT.	SER. NO.		GELS.	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8"s T.B. GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
	WT. OF STRING	LBS.				

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JET 1/32"		PV/YP	/ / /
	D.C. ID OD	FT.	SER. NO.		GELS.	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8"s T.B. GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
	WT. OF STRING	LBS.				

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/ / /
	D.C. ID OD	FT.	SER. NO.		GELS.	/ / /
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8"s T.B. GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
	WT. OF STRING	LBS.				

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
9210								6 1/4		5 1/2		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		Rig up
				Laying up Hydril Line
				Build new Kill Line

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
9210												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8	14	Nipple up

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	3		Pick up Clevis & Lay down 12-DP Jts
1700	2400	5		Rig & Pressure up Blinds & Pressure Test to 5000 psi for 15 min. Test Upper Pipe Rams to 5000 psi

DRILLER

FORM 3T6

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

EDMONTON
NORTHERN AREA
JUN 27 1974

	AS		AAS	
1	AF-1	WHR	AAAS	
	AF-2		FMS	
	AE			
	PF			
2	R. Hoodless			

File No. 1-3

ACTION REQUIRED
Assigned to:
Assignment No:
Date Answered:

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION BRANCH
JUL 4 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23602

DAILY DRILLING REPORT

REPORT NO. 110

LEASE	WELL NO.	API WELL NUMBER	DATE
Pinto Mountain	A-4	A-33-00-30-125-00-00	6-14-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A. Lockhart

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 3/4	4 1/2 F.H.	1	1	Emsco	D-1000	18
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	7 5/8		29.7 N80	240	8210	8	8210
			24 N80				
			47 S00 5				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/4	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.	8	8	8
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. T&G TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	110		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P TAN.-T COM.-C
8210								6 1/2		5 1/2		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		Nipple up B.O.P.

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P TAN.-T COM.-C
8210												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8		Nipple up B.O.P.

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P TAN.-T COM.-C
8210								6 1/2		5 1/2		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8		Nipple up B.O.P.

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


CONSERVATION ENGINEER
JUL 2 1974
YELLOWKNIFE, N.W.T.

C 23601

DAILY DRILLING REPORT

REPORT NO. 119

LEASE	WELL NO.	API WELL NUMBER	DATE
Navajo Allotted	3-4	05-045-06132-0000	6-19-84

OPERATOR	CONTRACTOR	RIG NO.
Amoco Production Co.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Bushnell

LEGAL LAND DESCRIPTION: Hunter Canyon T-40

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 H	1	1	Emsco	D-100	16
						2	Emsco	D-700	10

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9 5/8		40 N80	240	9210		9210
		43.5 N80				
		47 S-95				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION -- HOURS

CODE NO. -- OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING		7	
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT	8	8	E
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	E

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 109

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/ /
	D.C. ID OD	FT.	SER. NO.		GELS	/ /
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	/	MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
	WT. OF STRING	LBS.				

MORNING TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.--S PART'L--P COM'PL--C
9211										5 1/2		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001				Clean Cement out of Csg. F/ Clean Cement off of Pilot Csg. to 9211
	0800	8		W.O.C

DRILLER L. Guevara

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JET 1/32"		PV/YP	/ /
	D.C. ID OD	FT.	SER. NO.		GELS	/ /
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	/	MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
	WT. OF STRING	LBS.				

DAY TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.--S PART'L--P COM'PL--C
9210								6 3/4		5 1/2		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1400	6		W.O.C
1400	1600	2		Set Slips Cut Casing Off Nipple

DRILLER A. Lee

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/ /
	D.C. ID OD	FT.	SER. NO.		GELS	/ /
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	/	MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
	WT. OF STRING	LBS.				

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.--S PART'L--P COM'PL--C
9210												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	2400	6	14	Nipple Up Bops

DRILLER T. Lee

Form 3T6

APPROVED

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23600

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1			
						2			

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD: SIZE | NO. LINES | FT. SLIPPED; FT. CUT OFF | PRESENT LENGTH; TON MI. OR TRIPS SINCE LAST CUT; CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'L–P COM'D–C
8210								6¾		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	0800	8		Running 9⅝ Csg.

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'L–P COM'D–C
8210												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	1200	4		Finish Running Casing
1200	1500	3		Circ. Down Csg. @ 500 psi. Cmt. Csg.
1500	1600	1		Drop Plug Displaced.
				Circulating PE Cement

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'L–P COM'D–C
8210								6¾		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2000	4		Circulate PE Cement
2000	2400	4		Clean Csg. Swab Down to 2100 Ft. Circ. Cmt. Down Csg. to 210 Ft. Cement Circulated to Surface. W. O. C.

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23599

DAILY DRILLING REPORT

REPORT NO. 167

LEASE	WELL NO.	API WELL NUMBER	DATE
CONTEO MOUNTAIN	A-4	A-55-60-20-187-NWSE	1-15-74
OPERATOR	**CONTRACTOR**		**RIG NO.**
PONCA CONSOR INC	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		
	A. Bushnell		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	16.58	E	6⅝	NC50 IF	1	1	EMSCO	D-140	16
						2	EMSCO	D-140	16

LEGAL LAND DESCRIPTION: CONTEO MOUNTAIN A-4

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13⅜						2503

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1⅜	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	23		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT		4	8
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER	5½	4	
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	6	9	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	167		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
9	D.C. ID	OD 9 29052	FT.
	STB RMR	OD	FT.
1	C/O	2-50	
29	STANDS DP	753442	FT.
1	SINGLES DP	3.54	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE / FORMATION

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL–S PAR.EL–P COM.DC
8210								6¾		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0230	2½		Hoist To Run 9⅝ Csg.
0230	0600	3		Lay Down 4" D.C. Hoist On Csg. & Circ. Engine
0600	0800	2		Hang Stabbing Board & Chain Tong To 9⅝

DRILLER A. Bushnell

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE / FORMATION

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL–S PAR.EL–P COM.DC
8210								6¾		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001				Finish Running 9⅝" Csg. & C
				Tag With Bull Out, Rig Up To
	1200	4		Run Casing.
1200	1600	4		Rig Up Cmtrs.

DRILLER A. Bushnell

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL–S PAR.EL–P COM.DC
8210								6¾		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8		Running 9⅝ Casing

DRILLER A. Bushnell

Form 3T6

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23598

DAILY DRILLING REPORT

REPORT NO. 14

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MOUNTAIN	A-4	A-55-60-30-123-WWS	1-14-74

OPERATOR	CONTRACTOR	RIG NO.
PANGLO CANADA LTD.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER — Al Rudko

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4H FH	1	1	Emsco	D-360	16
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION — POINTED MOUNTAIN A-4

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						253

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
15/32	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION -- HOURS

CODE NO. - OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	14
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 12¼ Smith	446	FT.
1	MUDMOTOR	29.66	
6	STB RMR 12¼ OD	17.77	FT.
1	D.C. ID 6¼ OD	145	FT.
4	STB RMR 12¼ OD	111.61	FT.
1	D.C. ID 6¼ OD	1.71	FT.
	STB RMR OD		FT.
9	4½ D.C.	258.52	
1	C/O	2.50	
81	STANDS DP	7634.42	FT.
1	SINGLES DP	31.54	FT.
	KELLY DOWN	39.78	FT.
	TOTAL	9211.00	FT.
WT. OF STRING	215000		LBS.

BIT RECORD			
BIT NO.	RR3	30	
SIZE		12¼	
MFG.		Hughes	
TYPE		XV	
JETS 1/32"	16	16	14
SER. NO.		844365	
DEPTH OUT		8210	
DEPTH IN		8161	
TOTAL FTG.		49	
TOTAL HRS. RUN		14	
COND. 1/8's T/B GAGE	1	1	1
GPM/ PD-PSI			

MUD RECORD				
TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.-SEC.				
PV/YP	/	/	/	
GELS.	/	/	/	
WL -CC'S.				
pH				
SOLIDS %				
MUD & CHEMICALS ADDED				
TYPE	AMT.	TYPE	AMT.	

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PART'L-P COMP'D-C
8210								6¾		5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0345	3¾		RUNNING DIRECTIONAL LOG
0345	0445	1		TRIP OUT OF HOLE WITH WIRELINE
0445	0600	1¾		RUN IN TO BOTTOM AND WIRELINE MU

DRILLER L. Rudko

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 12¼ Smith	446	FT.
1	MUDMOTOR	29.66	
6	STB RMR 12¼ OD	17.77	FT.
1	D.C. ID 6¼ OD	145	FT.
4	STB RMR 12¼ OD	111.61	FT.
1	D.C. ID 6¼ OD	1.71	FT.
	STB RMR OD		FT.
1	4½ D.C.	30.02	
1	C/O	2.50	
81	STANDS DP	7634.42	FT.
1	SINGLES DP	31.54	FT.
	KELLY DOWN	39.78	FT.
	TOTAL	9211.00	FT.
WT. OF STRING	215000		LBS.

BIT RECORD			
BIT NO.	RR3	30	
SIZE		12¼	
MFG.		Hughes	
TYPE		XV	
JET 1/32"	16	15	14
SER. NO.		844365	
DEPTH OUT		8210	
DEPTH IN		8161	
TOTAL FTG.		49	
TOTAL HRS. RUN		14	
COND. 1/8's T/B GAGE	1	1	1
GPM/ PD-PSI			

MUD RECORD				
TIME	1100	1400		
WEIGHT	11.5	11.4+		
PRESSURE GRADIENT				
VISC.-SEC.	135	125		
PV/YP	/	/	/	
GELS.	/	/	/	
WL -CC'S.	10.6	10.6		
pH	9.0	9.0		
SOLIDS %				
MUD & CHEMICALS ADDED				
TYPE	AMT.	TYPE	AMT.	

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PART'L-P COMP'D-C
8210							1100	6¾	45	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0945	1 45		Finish Running in Hole with 30
0945	1300	3 30		Drill + Core - Circ TOH Pick up Core
1300	1600	3		Core + Circulate Mud

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 12¼ Smith	446	FT.
1	MUDMOTOR	29.66	
6	STB RMR 12¼ OD	17.77	FT.
1	D.C. ID 6¼ OD	145	FT.
4	STB RMR 12¼ OD	111.61	FT.
1	D.C. ID 6¼ OD	1.71	FT.
	STB RMR OD		FT.
9	4½ D.C.	258.52	
1	C/O	2.50	
81	STANDS DP	7634.42	FT.
1	SINGLES DP	31.54	FT.
	KELLY DOWN	39.78	FT.
	TOTAL	9211.00	FT.
WT. OF STRING	215000		LBS.

BIT RECORD			
BIT NO.	RR3	30	
SIZE		12¼	
MFG.		Hughes	
TYPE		XV	
JETS 1/32"	16	15	14
SER. NO.		844365	
DEPTH OUT		8210	
DEPTH IN		8161	
TOTAL FTG.		49	
TOTAL HRS. RUN		14	
COND. 1/8's T/B GAGE	1	1	1
GPM/ PD-PSI			

MUD RECORD				
TIME	2030	2200		
WEIGHT	11.2+	11.2+		
PRESSURE GRADIENT				
VISC.-SEC.	105	93		
PV/YP	/	/	/	
GELS.	/	/	/	
WL -CC'S.				
pH				
SOLIDS %				
MUD & CHEMICALS ADDED				
TYPE	AMT.	TYPE	AMT.	
WITHOUT SEALER				

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PART'L-P COMP'D-C
8210							1100	6¾	50	5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2300	7		Core + Circulate Mud
2300	0400	1 2		Mix Barite Wt. Mud & Trip Out of Hole for Logs

DRILLER

Form 3T6

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23597

DAILY DRILLING REPORT — REPORT NO. 106

LEASE	WELL NO.	API WELL NUMBER	DATE
HUNTER MOUNTAIN	A-4	026-L-30-023-W46	6-13-74

OPERATOR	CONTRACTOR	RIG NO.
POWELL CONSTR. CO.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER — Al Lueth

LEGAL LAND DESCRIPTION — HUNTER MOUNTAIN 21-5E

WIRE LINE RECORD — REEL NO.

O.D. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6¼	4½IF	1	1	EMSCO	D-360	18
						2	EMSCO	D-360	18

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13⅜						263

WIRE LINE RECORD: SIZE 1⅜ | NO. LINES 10 | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	185
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼ SEC	410	FT.
1	MONEL	29.10	
2	STB RMR OD	12.07	FT.
1	D.C. ID OD	2.36	FT.
4	STB RMR OD	114.70	FT.
1	D.C. ID OD	1.45	FT.
4	STB RMR OD	114.41	FT.
1	C/O	1.71	
9	6½ D.C.	250.52	
1	C/O	2.50	
61	STANDS DP	7624.42	FT.
1	SINGLES DP	31.54	FT.
	KELLY DOWN	21.92	FT.
	TOTAL	8224.00	FT.

WT. OF STRING 216,000 LBS.

BIT RECORD

BIT NO.	RR21 30
SIZE	12¼
MFG.	H-W
TYPE	X-44
JETS 1/32"	15 15 14
SER. NO.	RM295
DEPTH OUT	
DEPTH IN	8161
TOTAL FTG.	49
TOTAL HRS. RUN	14
COND. 1/8's T/B/ GAGE	1 1 I
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT	LOGGING		
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S	PULL TANK		
pH	VIS-107		
SOLIDS %	WT-13.3		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WYOMAT	144 SKS		
CELEX	10-LBS		
GEL	5-SKS		

FOOTAGE / FORMATION

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
8210				SERVICE & CHECK ALL FIRE EXTINGUISHERS JUNE 13-1974				6¾		6¾		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0545	5¾		RIG UP SCHLUMBERGER UNIT
0545	0800	2¼		RUN IN W/ CONV. LOG
				PUMP & CLEAN #1 SETTLING PUMP

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼ SEC	410	FT.
1	MONEL	29.10	
2	STB RMR OD	12.07	FT.
1	D.C. ID OD	2.36	FT.
4	STB RMR OD	114.70	FT.
1	D.C. ID OD	1.45	FT.
4	STB RMR OD	114.41	FT.
1	C/O	1.71	
9	6½ D.C.	250.52	
1	C/O	2.50	
61	STANDS DP	7624.42	FT.
1	SINGLES DP	31.54	FT.
	KELLY DOWN	21.92	FT.
	TOTAL	8224.00	FT.

WT. OF STRING 216,000 LBS.

BIT RECORD

BIT NO.	RR21 30
SIZE	12¼
MFG.	H-W
TYPE	X-44
JET 1/32"	15 15 14
SER. NO.	RM295
DEPTH OUT	8210
DEPTH IN	8161
TOTAL FTG.	49
TOTAL HRS. RUN	14
COND. 1/8's T/B/ GAGE	1 1 I
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE / FORMATION

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
8210								6¾		6¾		S
										5½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8		Run Sch. Log W/ Schlumberger = V.D.L.

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼ SEC	410	FT.
1	MONEL	29.10	
2	STB RMR OD	12.07	FT.
1	D.C. ID OD	2.36	FT.
4	STB RMR OD	114.70	FT.
1	D.C. ID OD	1.45	FT.
4	STB RMR OD	114.41	FT.
1	C/O	1.71	
9	6½ D.C.	250.52	
1	C/O	2.50	
61	STANDS DP	7624.42	FT.
1	SINGLES DP	31.54	FT.
	KELLY DOWN	21.92	FT.
	TOTAL	8224.00	FT.

WT. OF STRING 216,000 LBS.

BIT RECORD

BIT NO.	RR21 30
SIZE	12¼
MFG.	H-W
TYPE	X-44
JETS 1/32"	15 15 14
SER. NO.	RM295
DEPTH OUT	8210
DEPTH IN	8161
TOTAL FTG.	49
TOTAL HRS. RUN	14
COND. 1/8's T/B/ GAGE	1 1 I
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE / FORMATION

FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
8210								6¾				
										5½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2245	6¾		Running V.D.L. + Mud C.N.L. Density Log
2245	0400	1¾		Running P.E. Log

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

Grant Scott

HIHI

C 23596

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
	A-4		

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE | NO. LINES | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.		TIME	0001	0300	0600
		FT.	SIZE		WEIGHT	11.3	11.3	11.3+
2	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	.585	.585	.588
1	D.C. ID OD	FT.	TYPE		VISC.-SEC.	88	73	67
4	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/
1	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/
4	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	9.1		
1		FT.	DEPTH IN		pH	9.0	9.0	9.5
9		FT.	TOTAL FTG.		SOLIDS %			
1		FT.	TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD.-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.			CAUSTIC	2-SKS	H2O	4 GPM
	TOTAL	FT.			X-PLO	4-SKS		
WT. OF STRING		LBS.			WT MAT	80 SKS		
					GELEX	4-LBS		

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.		TIME			
		FT.	SIZE		WEIGHT			
2	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
1	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
4	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/	/
1	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/
4	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.			
1		FT.	DEPTH IN		pH			
1		FT.	TOTAL FTG.		SOLIDS %			
1		FT.	TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD.-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.		TIME			
		FT.	SIZE		WEIGHT			
2	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
1	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
4	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/
1	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/
4	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.			
1		FT.	DEPTH IN		pH			
1		FT.	TOTAL FTG.		SOLIDS %			
1		FT.	TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD.-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

FOOTAGE / FORMATION / DEVIATION RECORD / TIME LOG

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN
8133	8204	D		DESANDER - 10 MIN	60	46	150	3	50	6		S
				DISCHARGE - 5 1/2 GPM								
				VF - 14.9								
				VF - 11.2+								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6		DRILLING

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN
8204	8210	D		C	50	45	150	3	50			S
										6		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0200	0715	5		Drill 12 ¼" hole from 8210 to 8330 (Contractor)
0715	1330	6 ½		Circ. & Cond. mud for T.O.H. for 8 5/8" csg.
1330	1600	2 ½		T.O.H.

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN
8210		D										

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1715	2 ¼		T.O.H.
1715	2400	5 ¾		R.U. to run 8 5/8" surface casing

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEVELOPMENT
CONSERVATION ENGINEER
JUL 2 1974
YELLOWKNIFE, N.W.T.

C 23595

DAILY DRILLING REPORT

REPORT NO. 103

LEASE	WELL NO.	API WELL NUMBER	DATE
PAINTED MOUNTAIN	A-4	055-60-30-123-WOF	01-11-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA P.C.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Bushby

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	NC50	1	1	EMSCO	D-360	15
						2	EMSCO	D-360	16

LEGAL LAND DESCRIPTION: PAINTED MOUNTAIN A-56

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						2503

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/8	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7		4½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	¼		
6. TRIPS	½	7½	1¼
7. LUBRICATE RIG			
8. REPAIR RIG			½
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¼		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER		7½	1½
22.			
23.			

COMPLETION

A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	103		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour) / BIT RECORD

NO.			FT.
1	BIT	12¼	6.10
1	MONEL	9	29.66
2	STB RMR OD	12	60.07
1	D.C. ID 2¼ OD	9	2.56
4	STB RMR OD	12	114.70
1	D.C. ID 2¼ OD	9	1.46
4	STB RMR OD	12	116.11
1	CIR		1.71
9	HWDP	5	280.52
1	CIR		2.50
80	STANDS DP	5	1448.49
2	SINGLES DP	5	62.40
	KELLY DOWN		46.99
	TOTAL		5161.00
WT. OF STRING			265,000 LBS.

BIT RECORD	
BIT NO.	29
SIZE	12¼
MFG.	Smith
TYPE	S44
JETS 1/32"	16 16 14
SER. NO.	RF444
DEPTH OUT	5161
DEPTH IN	4988
TOTAL FTG.	173
TOTAL HRS. RUN	52¼
COND. 1/8's T/B/ GAGE	7 4 I
GPM/ PD–PSI	

MUD RECORD				
TIME	0001	0400	0600	
WEIGHT	11.3	11.2+	11.2+	
PRESSURE GRADIENT	.585			
VISC.–SEC.	67	68	64	
PV/YP	/	/	/	
GELS.	/	/	/	
WL –CC'S.	9.6			
pH	9.6	9.5	9.5	
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
W.L. CONT.	74 SKS		
CMC-LO	4 LBS		
X-CEL-2	4 SKS		
H2O	4 GPM		

MORNING TOUR

DRILLING ASSEMBLY (At end of tour) / BIT RECORD

NO.			FT.
1	BIT	12¼	2.60
1	MONEL	9	29.66
2	STB RMR OD	12	60.07
1	D.C. ID 2¼ OD	9	2.56
4	STB RMR OD	12	114.70
1	D.C. ID 2¼ OD	9	1.46
4	STB RMR OD	12	116.11
1	CIR		1.71
9	HWDP	5	280.52
1	CIR		2.50
80	STANDS DP	5	1448.49
2	SINGLES DP	5	62.40
	KELLY DOWN		46.99
	TOTAL		5161.00
WT. OF STRING			265,000 LBS.

BIT RECORD	
BIT NO.	RR21 30
SIZE	12¼
MFG.	Smith
TYPE	S44
JETS 1/32"	16 16 14
SER. NO.	RF444
DEPTH OUT	5161
DEPTH IN	4988
TOTAL FTG.	173
TOTAL HRS. RUN	52¼
COND. 1/8's T/B/ GAGE	7 4 I
GPM/ PD–PSI	

MUD RECORD				
TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.–SEC.				
PV/YP	/	/	/	
GELS.	/	/	/	
WL –CC'S.				
pH				
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY (At end of tour) / BIT RECORD

NO.			FT.
1	BIT	12¼	4.10
1	MONEL	9	29.10
2	STB RMR OD	12	60.47
1	D.C. ID 2¼ OD	9	30.56
4	STB RMR OD	12	114.70
1	D.C. ID 2¼ OD	9	1.46
4	STB RMR OD	12	116.11
1	CIR		1.71
9	HWDP	5	280.52
1	CIR		2.50
81	STANDS DP	5	1528.42
	SINGLES DP		
	KELLY DOWN		31.46
	TOTAL		5183.00
WT. OF STRING			270,000 LBS.

BIT RECORD	
BIT NO.	RR21 30
SIZE	12¼
MFG.	Smith
TYPE	X44
JETS 1/32"	16 15 15
SER. NO.	RW1235
DEPTH OUT	5161
DEPTH IN	5161
TOTAL FTG.	22
TOTAL HRS. RUN	9¾
COND. 1/8's T/B/ GAGE	R I N
GPM/ PD–PSI	

MUD RECORD				
TIME	T	2000		
WEIGHT	R	11.3		
PRESSURE GRADIENT	I			
VISC.–SEC.	P	120+		
PV/YP	/	/	/	
GELS.	N	/	/	
WL –CC'S.	6			
pH		9.5		
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

FOOTAGE / FORMATION / PUMP

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PARL–P COM–D C
8150	8161			DESANDER – 1 CIRC								
				DIS – 6 GPM	50	46	1900	6½	50	6½		S
				WF – 15.2								
				CF – 11.2								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
8160	2°	S 80° E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0700	7		DRILLING 12¼ HOLE
0700	0730	½		CIRCULATE SAMPLE
0730	0930	2		MIX PILL & PUMP DRY
0930	0945	¼		MIX & PUMP PILL
0945	1000	¼		WAIT FOR PILL TO SETTLE
1000	1030	½		TRIP OUT FOR BIT #29 & STAND BACK
1030	1100	½		CHANGE BIT & TRIP IN
1100	1130	½		SLIP & CUT DRILLING LINE
1130	1200	½		TRIP IN
1200	1230	½		WASH & REAM 60' TO BOTTOM
1230	0001	11½		DRILLING 12¼ HOLE

DRILLER

FOOTAGE / FORMATION / PUMP

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL–S PARL–P COM–D C
8161								6½				S
										6½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	1330	5½		STRAP OUT
1330	1415	¾		RETRIEVE SURVEY & LAY DOWN BHA
1415	1600	1¾		RUNNING IN W/ D.P. TO 8161
				TALLY 5161.00
				S.L.M. 8160.56
				.44 OFF

DRILLER

FOOTAGE / FORMATION / PUMP

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PARL–P COM–D C
8161	8183	D			50	46	1900	6½	50			S
										6½		

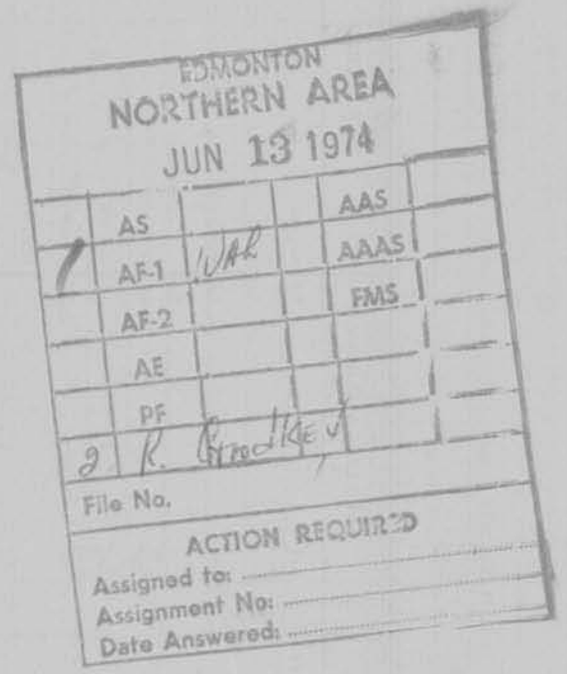
DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1715	1¼		FINISH RUNNING IN
1715	1845	1½		WASH 60' TO BOTTOM
1845	2000	1¼		DRILL 12¼ HOLE
2000	2400	4		WORK ON SLIPS
0001	0200	2		DRILLING 12¼ HOLE

DRILLER


EDMONTON
NORTHERN AREA
JUN 13 1974
AS
AF-1
AF-2
AE
PF
AAS
AAAS
FMS
File No.
ACTION REQUIRED
Assigned to:
Assignment No:
Date Answered:

C 23594

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Porter M.T.N.	4-A	[illegible]	4-10-77
OPERATOR		**CONTRACTOR**	**RIG NO.**
Bruce Company of Texas		LOFFLAND BROTHERS COMPANY	22
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
Jerry Bruce		Al Lunday	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8	H-90	1	1	Ideco	D-800	16
						2	Ideco	D-800	16

LEGAL LAND DESCRIPTION Porter M.T.N. Lease Sec. 25 T-5-N R-25-E Roosevelt Co. N.M.

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						1500

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	– OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	6	8	9
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		6	8	9

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	10		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	12¼	1.10 FT.
1	Bit Sub		4.0
2	STB RMR OD	12"	12.70 FT.
1	D.C. ID OD	8"	2.50 FT.
1	STB RMR OD	12"	2.50 FT.
4	D.C. ID OD	8"	117.70 FT.
1	STB RMR OD	12"	1.45 FT.
44	STANDS DP	5"	4144.41 FT.
1	SINGLES DP	5"	31.52 FT.
	KELLY DOWN		15.00 FT.
	TOTAL		5107.77 FT.
WT. OF STRING			265000 LBS.

BIT RECORD

BIT NO.	29		
SIZE	12¼		
MFG.	Smith		
TYPE	F-3		
JETS 1/32"	16 16 16		
SER. NO.	PA114		
DEPTH OUT	8155		
DEPTH IN	8036		
TOTAL FTG.	119		
TOTAL HRS. RUN	27¼		
COND. 1/8's T/B/ GAGE	RR		
GPM/ PD-PSI			

MUD RECORD

TIME	0001	0900	1400
WEIGHT	11.0	11.1	11.1
PRESSURE GRADIENT			.577
VISC.-SEC.	43	44	43
PV/YP	/	/	33/10
GELS.	/	/	5/10
WL -CC'S.			5.6
pH	9.5	9.5	9.5
SOLIDS %			11
			5.5

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000	LMS	
		Soda Ash	5 SKS
Drispac	4	SAPP	
Gelex	2	LMS	

FOOTAGE

FROM	TO	DR.-D RM-R CORE-C	CORE NO.
8051	8157	D	

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
50	45	900	6½	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6	2	Drlg 12¼" Hole

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	12¼	1.10 FT.
1	[illegible]		30.60
2	STB RMR OD	12"	12.70 FT.
1	D.C. ID OD	8"	2.50 FT.
4	STB RMR OD	12"	117.70 FT.
1	D.C. ID OD	8"	1.45 FT.
1	STB RMR OD	12"	14.61 FT.
1	[illegible]		1.71
9	[illegible]		259.52
1	[illegible]		2.50
80	STANDS DP	5"	7448.49 FT.
1	SINGLES DP	5"	31.55 FT.
	KELLY DOWN		40.34 FT.
	TOTAL		8130.00 FT.
WT. OF STRING			270000 LBS.

BIT RECORD

BIT NO.	29		
SIZE	12¼		
MFG.	Smith		
TYPE	F-3		
JETS 1/32"	16 16 16		
SER. NO.	RE444		
DEPTH OUT	8155		
DEPTH IN	7915		
TOTAL FTG.	162		
TOTAL HRS. RUN	45¼		
COND. 1/8's T/B/ GAGE	RRRR		
GPM/ PD-PSI			

MUD RECORD

TIME	0800	1200	1430
WEIGHT	11.1+	11.2+	11.2+
PRESSURE GRADIENT			
VISC.-SEC.	67	76	79
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	8.9		
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WT MAT	87SKS		
X-PEL-GEL	64-SKS		
GELEX	4 BBLS		
CAUSTIC	2-SKS		

FOOTAGE

FROM	TO	DR.-D RM-R CORE-C	CORE NO.
8157	8130	33'	

FORMATION (SHOW CORE RECOVERY)

DESANDER – 12 GPM 1 HR
DISCHARGE – 15-65 GPM
WF – 15.6
OF – 11.1+

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
50	45	900	6½	50	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1400	8		Drlg 12¼" Hole

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	12¼	1.10 FT.
1	[illegible]		30.60
2	STB RMR OD	12"	12.70 FT.
1	D.C. ID OD	8"	2.50 FT.
4	STB RMR OD	12"	117.70 FT.
1	D.C. ID OD	8"	1.45 FT.
1	STB RMR OD	12"	14.61 FT.
1	[illegible]		1.71
9	[illegible]		259.52
1	[illegible]		2.50
80	STANDS DP	5"	7448.49 FT.
2	SINGLES DP	5"	62.40 FT.
	KELLY DOWN		21.77 FT.
	TOTAL		8130.00 FT.
WT. OF STRING			270000 LBS.

BIT RECORD

BIT NO.	29		
SIZE	12¼		
MFG.	Smith		
TYPE	F-3		
JETS 1/32"	16 16 16		
SER. NO.	RE444		
DEPTH OUT	8155		
DEPTH IN	7915		
TOTAL FTG.	162		
TOTAL HRS. RUN	45¼		
COND. 1/8's T/B/ GAGE	RRRR		
GPM/ PD-PSI			

MUD RECORD

TIME	1700	2100	2200
WEIGHT	11.2+	11.3+	11.3+
PRESSURE GRADIENT			
VISC.-SEC.	43	62	64
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %	11.4	11.6	11.7

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM-R CORE-C	CORE NO.
8130	8150	D	

FORMATION (SHOW CORE RECOVERY)

20

ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
50	45	1100	6½	50	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1400	2200	8		Drlg 12¼" Hole

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23593

DAILY DRILLING REPORT

REPORT NO. 101

LEASE	WELL NO.	API WELL NUMBER	DATE
Powder Mtn	A-4	A-55-L-SE-123-145	4-14
OPERATOR	**CONTRACTOR**		**RIG NO.**
Amoco Canada Ltd	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.5#	E	6⅝	NC50	1	1	Ideco	D-800	16
						2	Ideco	D-800	16

LEGAL LAND DESCRIPTION: Powder Mountain A-55

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13⅜						2543

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	5½	6	6
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	13½		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	101		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 12¼	2543	FT.
1	Reamer 12¼	2530	
1	STB RMR OD 12¼	2521	FT.
2	D.C. ID 8" OD 8"	1270	FT.
1	STB RMR OD 12¼	1251	FT.
4	D.C. ID 6¼" OD 6½"	1170	FT.
1	STB RMR OD 12¼	1145	FT.
4	7" HWDP	1141	
1	6" DRLG JAR	1032	
1	C/O SUB	1002	
79	STANDS DP	9345	FT.
1	SINGLES DP	9314	FT.
	KELLY DOWN	1977	FT.
	TOTAL	6944.12	FT.
WT. OF STRING		96000	LBS.

BIT RECORD		
BIT NO.	29	
SIZE	12¼	
MFG.	Smith	
TYPE	S44J	
JETS 1/32"	18 18 18	
SER. NO.	RA4444	
DEPTH OUT	9765	
DEPTH IN	9765	
TOTAL FTG.	24	
TOTAL HRS. RUN	3.44	
COND. 1/8's T.B. GAGE	8 1 WT	
GPM/ PD-PSI	/	

MUD RECORD			
TIME	4	6 AM	6 PM
WEIGHT	8.3	11.2	11.4
PRESSURE GRADIENT			.592
VISC.-SEC.	28	83	43
PV/YP	/	/	23/30
GELS.	4/	/	5/34
WL -CC'S.	4		5.1
pH	9.5	9.5	9.3
SOLIDS %	4		10
SAND			.25

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
9765	6014	D		Red + grey shale	50	45	1700	6¼	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0245	2¾	6	Run in with 12¼" bit
0245	0551	5¼	2	Drilling 12¼" Hole

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 12¼	6944	FT.
1	Reamer 12¼	6940	
1	STB RMR OD 12¼	6931	FT.
2	D.C. ID 8" OD 8"	1270	FT.
1	STB RMR OD 12¼	1251	FT.
4	D.C. ID 6¼" OD 6½"	1170	FT.
1	STB RMR OD 12¼	1145	FT.
4	7" HWDP	1141	
1	6" DRLG JAR	1032	
1	C/O SUB	1002	
79	STANDS DP	9345	FT.
1	SINGLES DP	9314	FT.
	KELLY DOWN	1977	FT.
	TOTAL	6944.12	FT.
WT. OF STRING		96000	LBS.

BIT RECORD		
BIT NO.	29	
SIZE	12¼	
MFG.	Smith	
TYPE	S44J	
JETS 1/32"	18 18 18	
SER. NO.	RA4444	
DEPTH OUT	9765	
DEPTH IN	9765	
TOTAL FTG.	58	
TOTAL HRS. RUN	8¼	
COND. 1/8's T.B. GAGE	8 1 WT	
GPM/ PD-PSI	/	

MUD RECORD			
TIME	0800	1200	1430
WEIGHT	11.2+	11.2	11.2
PRESSURE GRADIENT	.583	.580	.580
VISC.-SEC.	78	76	74
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	8.9		
pH	9.5	9.0	9.5
SOLIDS %			
SAND			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
X-Tend	4 SKS		
WL 100	2 SKS	HPL	40BBL
CAUSTIC	2 SKS		

FOOTAGE FROM	FOOTAGE TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
5014	5046	32		DESANDER - TORE								
				DISCHARGE - 7 GPM	50	45	1000	6¼	50	6¼		S
				LE - 14.9								
				OF - 11.2								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0801	8		Drilling 12¼ Hole

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT 12¼	6944	FT.
1	Reamer 12¼	6940	
1	STB RMR OD 12¼	6931	FT.
2	D.C. ID 8" OD 8"	1270	FT.
1	STB RMR OD 12¼	1251	FT.
4	D.C. ID 6¼" OD 6½"	1170	FT.
1	STB RMR OD 12¼	1145	FT.
4	7" HWDP	1141	
1	6" DRLG JAR	1032	
1	C/O SUB	1002	
79	STANDS DP	9345	FT.
1	SINGLES DP	9314	FT.
	KELLY DOWN	1977	FT.
	TOTAL	6944.12	FT.
WT. OF STRING		96000	LBS.

BIT RECORD		
BIT NO.	29	
SIZE	12¼	
MFG.	Smith	
TYPE	S44J	
JETS 1/32"	18 18 18	
SER. NO.	RA4444	
DEPTH OUT	9765	
DEPTH IN	9765	
TOTAL FTG.	73	
TOTAL HRS. RUN	11	
COND. 1/8's T.B. GAGE	8 1 WT	
GPM/ PD-PSI	/	

MUD RECORD			
TIME	1600		
WEIGHT	11.2		
PRESSURE GRADIENT	.580		
VISC.-SEC.	77		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	7.8		
pH	9.5		
SOLIDS %			
SAND			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR.D RM.R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
6001	6061	D			50	45	1000	6¼	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1601	2401	8		Drilling 12¼ Hole

DRILLER

EVENING TOUR

C 23592

DAILY DRILLING REPORT

REPORT NO. 116

LEASE	WELL NO.	API WELL NUMBER	DATE
Penn Mine Unit	A-4	43-035-30123-45	6-5-84
OPERATOR	**CONTRACTOR**		**RIG NO.**
Bruce Canada Ltd	LOFFLAND BROTHERS COMPANY		12
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	H90	1	1	Bruce	D-700	16
						2	Bruce	D-700	16

LEGAL LAND DESCRIPTION: Penn Mine Unit A-4

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						503

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	5	8	24
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			4½
6	TRIPS			4½
7	LUBRICATE RIG			
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			¼
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21	CTMH			3½
22				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		24	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	116		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1	D.C. 8	30.11	
1	STB RMR OD	2.96	FT.
1	D.C. ID OD	62.38	FT.
1	STB RMR OD	2.96	FT.
1	D.C. ID OD	214.78	FT.
1	STB RMR OD	2.96	FT.
43		1284.11	
2		58.22	
1		2.52	
78	STANDS DP	9267.35	FT.
2	SINGLES DP	13.72	FT.
	KELLY DOWN	39.21	FT.
	TOTAL	9715.45	FT.
WT. OF STRING	205.000		LBS.

BIT RECORD

BIT NO.	28
SIZE	12¼
MFG.	Reed
TYPE	S13GJ
JETS 1/32"	14 14 15
SER. NO.	F73453
DEPTH OUT	
DEPTH IN	9650
TOTAL FTG.	301
TOTAL HRS. RUN	55½
COND. 1/8's T/B/ GAGE	8 1
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0001	0500	0100
WEIGHT	11.2	11.2	11.2
PRESSURE GRADIENT			
VISC.-SEC.	70	65	70
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.0	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
9114	9952	D			50	45	1100	6¾	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6	2	Drilling 12¼ hole

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1		29.20	
2	STB RMR OD	6.74	FT.
1	D.C. ID OD	2.96	FT.
6	STB RMR OD	174.78	FT.
1	D.C. ID OD	1.46	FT.
11	STB RMR OD	111.61	FT.
1	C/O	1.47	
9		280.52	
1	C/O	2.50	
77	STANDS DP	7360.84	FT.
	SINGLES DP		FT.
	KELLY DOWN	15.84	FT.
	TOTAL	7991.00	FT.
WT. OF STRING	205.000		LBS.

BIT RECORD

BIT NO.	28
SIZE	12¼
MFG.	Reed
TYPE	S13GJ
JET 1/32"	14 16 16
SER. NO.	827493
DEPTH OUT	
DEPTH IN	9650
TOTAL FTG.	331
TOTAL HRS. RUN	61½
COND. 1/8's T/B/ GAGE	1 1 WT
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0800	1200	4000
WEIGHT	11.0+	11.2	11.2
PRESSURE GRADIENT	.573	.580	.580
VISC.-SEC.	70	66	67
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	8.1		
pH	10.0	10.0	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WT MAT	100 SKS		
GEL	3 SKS		
SELEX	6 LBS		

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
9114	9952	D			50	45	1100	6¾	50	6¼		S
9952	9991	DT			50	45	1100	6¾	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1100	5	2	Drilling 12¼ hole

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1		29.20	
2	STB RMR OD	6.74	FT.
1	D.C. ID OD	2.96	FT.
6	STB RMR OD	174.78	FT.
1	D.C. ID OD	1.46	FT.
11	STB RMR OD	111.61	FT.
1	C/O	1.47	
9		280.52	
1	C/O	2.50	
77	STANDS DP	7360.84	FT.
	SINGLES DP		FT.
	KELLY DOWN	15.84	FT.
	TOTAL	7991.00	FT.
WT. OF STRING	205.000		LBS.

BIT RECORD

BIT NO.	28	29
SIZE	12¼	12¼
MFG.	Reed	Security
TYPE	S13GJ	S33F
JETS 1/32"	16 16 16	18 18 18
SER. NO.	827493	1A4744
DEPTH OUT	7995	
DEPTH IN	9650	7995
TOTAL FTG.	335	
TOTAL HRS. RUN	6¾	
COND. 1/8's T/B/ GAGE	5 3 1	
GPM/ PD-PSI	/	/

MUD RECORD

TIME	1600		
WEIGHT	11.2		
PRESSURE GRADIENT			
VISC.-SEC.	65		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	8.0		
pH	9.5		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WATER	250		

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
7991	9748	D			50	45	1100	6¾	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7985	3	NE3E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1615	2¼	2	Drilling 12¼ hole
1615	1630	¼	10	Lost Circ.
1630	1645	¼	5	Mix 30 Bbl WF Pill
1645	2300	4 ¼	6	Wait for Pill to Work
2300	2345	¾	21	Attempt to Regain Circ. Reciprocate Slowly Check Flow
2345	0400	¼	6	Run in Hole to 7995

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23591

DAILY DRILLING REPORT REPORT NO. 22

LEASE	WELL NO.	API WELL NUMBER	DATE
Ponto M.T.N	A-4	A-55-40-30-125-2485	6-7-84

OPERATOR	CONTRACTOR	RIG NO.
Atlee Common Ltd	LOFFLAND BROTHERS COMPANY	92

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	W. Loftland

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4½ IF	1	1	Ideco	D-1000	18
						2	Ideco	D-700	14

LEGAL LAND DESCRIPTION Ponto Prospect A-55

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13⅜						753

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	8	9¼	8
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY		¾	
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	11
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1.00 FT.	BIT NO.	3R	TIME	0650	0930	0700
1	Rr Sub	4.10	SIZE	12¼	WEIGHT	11.1+	11.1+	11.1+
1	STB RMR OD	32.60 FT.	MFG.	Reed	PRESSURE GRADIENT			
2	D.C. ID 1 OD	620.70 FT.	TYPE	S136J	VISC.-SEC.	55	60	62
1	STB RMR OD	2.81 FT.	JETS 1/32"	14 14 16	PV/YP	/	/	/
4	D.C. ID 1 OD	114.70 FT.	SER. NO.	523483	GELS.	/	/	/
1	STB RMR ¾ OD	1.45 FT.	DEPTH OUT		WL-CC'S.			
4	7" DCs	111.61	DEPTH IN	7450	pH	9.0	9.0	9.5
1	6½ Jars	32.52	TOTAL FTG.	200	SOLIDS %			
1	6¼	2.50	TOTAL HRS. RUN	35¼				
73	STANDS DP	7156.60 FT.	COND. 1/8's T/B/ GAGE	R-1-WT-A	MUD & CHEMICALS ADDED			
2	SINGLES DP	11.14 FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	13.00 FT.			Gel	180#	LBS	
	TOTAL	7350.11 FT.			Gel-X	4	SKS	
WT. OF STRING	202,000	LBS.			X-PET-F	20	SKS	
					Caustic	10#	LBS	

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1.00 FT.	BIT NO.	2R	TIME	0800	1200	1400
1	Bit Sub	4.10 FT.	SIZE	12¼	WEIGHT	11.1+	11.2+	11.2+
1	MONEL	29.10	MFG.	Reed	PRESSURE GRADIENT	.577		
2	STB RMR OD	62.70 FT.	TYPE	S136J	VISC.-SEC.	77	71	76
1	D.C. ID 1 OD	28.6 FT.	JET 1/32"	14 14 16	PV/YP	/	/	/
4	STB RMR OD	114.70 FT.	SER. NO.	523483	GELS.	/	/	/
1	D.C. ID OD	1.45 FT.	DEPTH OUT		WL-CC'S.	8.6		
4	STB RMR OD	111.61 FT.	DEPTH IN	7450	pH	10.0	10.0	10.0
1	C/O	1.91	TOTAL FTG.	232	SOLIDS %			
9	DCs	290.52	TOTAL HRS. RUN	42¾				
1	C/O	2.50	COND. 1/8's T/B/ GAGE	R-1-WT-A	MUD & CHEMICALS ADDED			
78	STANDS DP	7256.30 FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.
	SINGLES DP	FT.			X-TEL-G	4SKS		
	KELLY DOWN	13.50 FT.			WL-100	2SKS		
	TOTAL	7552.06 FT.			H2O	56BBL		
WT. OF STRING	202,000	LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1.00 FT.	BIT NO.	2R	TIME	1600		
1	Bit Sub	4.10	SIZE	12¼	WEIGHT	11.2		
1	STB RMR OD	32.60 FT.	MFG.	Reed	PRESSURE GRADIENT			
2	D.C. ID 1 OD	62.70 FT.	TYPE	S136J	VISC.-SEC.	70		
1	STB RMR OD	2.81 FT.	JETS 1/32"	14 14 16	PV/YP	/	/	/
4	D.C. ID 1 OD	114.70 FT.	SER. NO.	523483	GELS.	/	/	/
1	STB RMR ¾ OD	1.45 FT.	DEPTH OUT		WL-CC'S.			
4	7" DCs	111.61	DEPTH IN	7660	pH	9.5		
1	6½	1.91	TOTAL FTG.	217	SOLIDS %			
9	DCs	290.52	TOTAL HRS. RUN	50½				
1	6¼	2.50	COND. 1/8's T/B/ GAGE	R-1-WT-A	MUD & CHEMICALS ADDED			
77	STANDS DP	7251.30 FT.	GPM/ PD-PSI	/ / /	TYPE	AMT.	TYPE	AMT.
1	SINGLES DP	31.52 FT.						
	KELLY DOWN	13.50 FT.						
	TOTAL	7709.15 FT.						
WT. OF STRING	205,000	LBS.						

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COM D-C
7500	7550	D			50	45	1000	6¼	50			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0500	5	7	Drilling 12¼ hole

DRILLER

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COM D-C
7350	7392	32'		DESILTER - TURC.	50	45	800	6¾	50	6¼		S
				DISCHARGE - 540 GPM								
				WF - MW -13.8								
				VF 11.2								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7360	1¾	S89E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	1430	9½		DRILLING 12¼ HOLE
1430	1515	¾		CIRCULATE SAMPLES
1515	1600	¾		DRILLING 12¼ HOLE
				DUMP & CLEAN MUD SUCTION COMPT.

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COM D-C
7382	7717	D			50	45	1000	6¾	50	6¼		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
7382	2400	5		DRLG 12¼ HOLE

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23590

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER							

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
	WT. OF STRING	LBS.						

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD			
1	BIT 12¼ 1.00	FT.	BIT NO.	28	TIME	0530	1300	1500
1	BIT SUB 4.10		SIZE	12¼	WEIGHT	11.3	11.4	11.3
	STB RMR OD	FT.	MFG.	REED	PRESSURE GRADIENT			
	D.C. 1 ID OD	FT.	TYPE	S3GJ	VISC.-SEC.	68	73	72
	STB RMR OD	FT.	JET 1/32"	14 15 15	PV/YP	/	/	/
1	D.C. ID OD	FT.	SER. NO.	839853	GELS	/	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S			
4	6 DCS	250.62	DEPTH IN	7650	pH	9.5	9.0	9.0
1	6 10	2.50	TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN 15.58	FT.			X-PAC	25#		
	TOTAL	FT.			HI-SEAL	50#		
	WT. OF STRING	LBS.						

EVENING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.	28	TIME	1100		
			SIZE	12¼	WEIGHT	11.3+		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE	S3GJ	VISC.-SEC.	74		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/
	D.C. ID OD	FT.	SER. NO.	839853	GELS	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN	7720	pH	9.0		
			TOTAL FTG.	70	SOLIDS %			
			TOTAL HRS. RUN	2½				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.			CAUSTIC	2SX		
	TOTAL	FT.			X-PAC	25#		
	WT. OF STRING	LBS.			HI-SEAL	50#		

FOOTAGE / FORMATION / DEVIATION RECORD / TIME LOG

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
7660	7720	D										

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6	2	DRLG 12¼ HOLE

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
7720		D		DESILTER - 2 HCS (TRIPLEX) DISCHARGE - 5 GPM VE - 15:2 OF - 14:1	50	45	1400	6¾	50	6¼		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	7700	1½	S 72 E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1400	6	2	DRLG 12¼ HOLE
1400	1600	2	5	CIRC & COND MUD FOR LOGS
1600	2400	8	2	DRLG 12¼ HOLE

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
7720	7850	D		DESILTER - 5 GPM DISCHARGE - 5 GPM VE - 15:0+ OF - 14:1	50	45	1400	6¾	50	6¼		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0001	1	2	DRLG 12¼ HOLE

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23589

DAILY DRILLING REPORT

REPORT NO. 72

LEASE	WELL NO.	API WELL NUMBER	DATE
Powell Ranch	A-4	A-55-6-193-1145	4-5-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Chemical Co	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A. Hall

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 XH	1	1	Fluco	D-700	18
						2	Fluco	D-700	18

LEGAL LAND DESCRIPTION: Powell Ranch A-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8						1503

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6 3/4		4
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	4	11 1/2	2
6. TRIPS	1	6	1
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHERS		1/2	
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS		8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD: 09

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	12 1/4	1401 FT.
1	B.S.	4.11	
1	STB RMR OD	9.46	FT.
2	D.C. ID OD	6 1/2	62.76 FT.
1	STB RMR OD	9.50	FT.
4	D.C. ID OD	6 1/2	124.20 FT.
1	STB RMR OD	9.45	FT.
24	STANDS DP	5"	1974.11 FT.
1	SINGLES DP	5"	31.54 FT.
1	KELLY DOWN		39.61 FT.
	TOTAL		7450 FT.
WT. OF STRING			200000 LBS.

BIT RECORD

BIT NO.	27
SIZE	12 1/4
MFG.	Smith
TYPE	F3
JETS 1/32"	14 14 14
SER. NO.	RY6135
DEPTH OUT	7450
DEPTH IN	7151
TOTAL FTG.	299
TOTAL HRS. RUN	9 1/4
COND. 1/8's T/B/ GAGE	6 6 6
GPM/ PD-PSI	2 1/2

MUD RECORD

TIME	6 AM	12 AM	6 PM
WEIGHT	10.0	10.1	10.2
PRESSURE GRADIENT			
VISC.-SEC.	73	72	74
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			
TOTAL HRS. RUN			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
K-Pak	6	Soda	
Caustic	1	Bicarb	
Lime	1	Soda	

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	12 1/4	1401 FT.
1	BIT SUB	4.10	
1	STB RMR OD	9.46	FT.
2	D.C. ID OD	6 1/2	62.76 FT.
1	STB RMR OD	9.50	FT.
4	D.C. ID OD	6 1/2	124.20 FT.
1	STB RMR OD	9.45	FT.
24	STANDS DP	5"	1974.16 FT.
1	SINGLES DP	5"	31.54 FT.
1	KELLY DOWN		39.61 FT.
	TOTAL		7450 FT.
WT. OF STRING			200000 LBS.

BIT RECORD

BIT NO.	28
SIZE	12 1/4
MFG.	REED
TYPE	SRGJ
JET 1/32"	14 14 14
SER. NO.	823483
DEPTH OUT	
DEPTH IN	7650
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	6 6 6
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			
TOTAL HRS. RUN			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	12 1/4	FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			
TOTAL HRS. RUN			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARL-P COM D.C.
7413	7450				50	45	1400	6 3/4	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0415	4 3/4	2	Drilling 12 1/4 Hole
0415	0700	1/4	5	Slug Pipe - SPM
0700	0800	1	6	Make Trip Out

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL-S PARL-P COM D.C.
7650	7650	RD										

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1100	3		HOIST FOR BIT #27
1100	1130	1/2	21	SELECT & MAKE UP BIT
1130	1300	1 1/2		RUN IN 2700' (CHCHRS & GET GAS KICK
	1300	1 1/2		MIX MT MAT & KILL KICK
1300				RUN INTO 7413 & BREAK CIRC. FINISH TRIP
	1600	3		GAS OUT

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARL-P COM D.C.
7650	7650				50	45	1400	6 3/4	50			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1600	2	5	CIRC GAS OUT & CONDITION MUD
1600	2000	4	6	Run in Hole to Bottom
2000	2015	1/4	4	Circ Hole Clean
2015	2400	3 3/4	2	Drilling

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JUN 24 1974
YELLOWKNIFE, N.W.T.

C 23588

DAILY DRILLING REPORT

REPORT NO. 16

LEASE	WELL NO.	API WELL NUMBER	DATE
[illegible]	A-6	05-045-20133-0000	10/74
OPERATOR	**CONTRACTOR**		**RIG NO.**
Amoco Prod. Co.	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		
	[illegible]		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	H.E.	1	1	Emsco	D-375	16
						2	Emsco	D-375	16

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8						

WIRE LINE RECORD: SIZE 3/16 | NO. LINES | FT. SLIPPED | FT. CUT OFF | PRESENT LENGTH | TON MI. OR TRIPS SINCE LAST CUT | CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	3	5	7½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			¾
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS		8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	16		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1	BIT SUB	4.10	FT.
2	STB RMR OD 9"	29.60	FT.
1	D.C. ID 2¼" OD 9"	62.90	FT.
1	STB RMR OD 9"	2.80	FT.
4	D.C. ID 2¼" OD 9"	114.70	FT.
1	STB RMR OD 9"	1.45	FT.
9	D.C. ID 2¼" OD 9"	284.34	FT.
1	5/6	2.50	FT.
		6974.16	FT.
74	STANDS DP	6371.98	FT.
	SINGLES DP		FT.
	KELLY DOWN	21.72	FT.
	TOTAL	7613	FT.
WT. OF STRING		144000	LBS.

BIT RECORD

BIT NO.	27
SIZE	12¼
MFG.	SMITH
TYPE	SDGH
JETS 1/32"	14 14 15
SER. NO.	M-815
DEPTH OUT	7618
DEPTH IN	7181
TOTAL FTG.	432
TOTAL HRS. RUN	87¼
COND. 1/8's T/B/ GAGE	RUN
GPM/ PD-PSI	

MUD RECORD

TIME	6:00 AM	12:00 NOON	12:00 MID
WEIGHT	10.2	10.2	10.2
PRESSURE GRADIENT			
VISC.-SEC.	42	42	42
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	6.0	6.0	6.0
pH	9.5	9.5	9.5
SOLIDS %	3	3	3

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	20 sx	Soda Ash	2 sx
Desco	2 sx		

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARAL.-P COM.D.C.
7-11	7530	D		31'	60	45	1900	6½	50	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2001	0600	3		[illegible]

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1	BIT SUB	4.10	FT.
2	STB RMR OD 9"	29.60	FT.
1	D.C. ID 2¼" OD 9"	62.90	FT.
1	STB RMR OD 9"	2.80	FT.
4	D.C. ID 2¼" OD 9"	114.70	FT.
1	STB RMR OD 9"	1.45	FT.
9	D.C. ID 2¼" OD 9"	284.34	FT.
1	5/6	2.50	FT.
		6974.16	FT.
74	STANDS DP	6371.98	FT.
	SINGLES DP		FT.
	KELLY DOWN	21.72	FT.
	TOTAL	7613	FT.
WT. OF STRING		144000	LBS.

BIT RECORD

BIT NO.	27
SIZE	12¼
MFG.	SMITH
TYPE	SDGH
JET 1/32"	14 14 15
SER. NO.	M-815
DEPTH OUT	7618
DEPTH IN	7181
TOTAL FTG.	432
TOTAL HRS. RUN	87¼
COND. 1/8's T/B/ GAGE	RUN
GPM/ PD-PSI	

MUD RECORD

TIME	6:00 AM	12:00 NOON	12:00 MID
WEIGHT	10.2	10.2	10.2
PRESSURE GRADIENT			
VISC.-SEC.	42	42	42
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	6.0	6.0	6.0
pH	9.5	9.5	9.5
SOLIDS %	3	3	3

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	20 sx	Soda Ash	2 sx
Desco	2 sx		

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PARAL.-P COM.D.C.
7530	7548	3E			50	45	1900	6½	50	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6	2	Drilling 12¼ Hole

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1	BIT SUB	4.10	FT.
2	STB RMR OD 9"	29.60	FT.
1	D.C. ID 2¼" OD 9"	62.90	FT.
1	STB RMR OD 9"	2.80	FT.
4	D.C. ID 2¼" OD 9"	114.70	FT.
1	STB RMR OD 9"	1.45	FT.
9	D.C. ID 2¼" OD 9"	284.34	FT.
1	5/6	2.50	FT.
		6974.16	FT.
74	STANDS DP	6371.98	FT.
	SINGLES DP		FT.
	KELLY DOWN	21.72	FT.
	TOTAL	7613	FT.
WT. OF STRING		144000	LBS.

BIT RECORD

BIT NO.	27
SIZE	12¼
MFG.	SMITH
TYPE	SDGH
JETS 1/32"	14 14 15
SER. NO.	M-815
DEPTH OUT	7618
DEPTH IN	7181
TOTAL FTG.	432
TOTAL HRS. RUN	87¼
COND. 1/8's T/B/ GAGE	RUN
GPM/ PD-PSI	

MUD RECORD

TIME	6:00 AM	12:00 NOON	12:00 MID
WEIGHT	10.2	10.2	10.2
PRESSURE GRADIENT			
VISC.-SEC.	42	42	42
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	6.0	6.0	6.0
pH	9.5	9.5	9.5
SOLIDS %	3	3	3

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	20 sx	Soda Ash	2 sx
Desco	2 sx		

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARAL.-P COM.D.C.
7568	7613	D			50	45	1900	6½	50	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7593	1¾	S-68-E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2330	5½		DRLG 12¼ HOLE
2330	2215	¾		EASTMAN SURVEY - 7593
2215	2400	1¾		DRLG 12¼ HOLE

DRILLER [illegible]

FORM 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23587

DAILY DRILLING REPORT

REPORT NO. 75

LEASE	WELL NO.	API WELL NUMBER	DATE
Jones Estate	A-9	A-25-C-20-12S-32-5	6/31/74

OPERATOR	CONTRACTOR	RIG NO.
Jones Estate Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	J. H. Fisher

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8	4 1/2 XH	1	1	Emsco	D-700	14"
						2	Emsco	D-700	14"

LEGAL LAND DESCRIPTION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	13 3/8						243

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/2	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	7½	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	7½	8½

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	12		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	4.10 FT.	BIT NO.	27	TIME	6:00	12:00	6:00	
1		2.10	SIZE	12¼	WEIGHT	9.8	10.1	10.2	
2	STB RMR OD	62.70 FT.	MFG.	Smith	PRESSURE GRADIENT				
1	D.C. ID OD	246 FT.	TYPE	OWV	VISC.-SEC.	41	46	74	
4	STB RMR OD	114.70 FT.	JETS 1/32"	12 12 12	PV/YP	/	/	/	
1	D.C. ID OD	1.45 FT.	SER. NO.	RV415	GELS.	/	/	/	
4	STB RMR OD	114.11 FT.	DEPTH OUT		WL -CC'S.	9.6			
1		1.71	DEPTH IN	7191	pH	9.5	9.5	9.0	
1	6½ D.C.	280.52	TOTAL FTG.	237	SOLIDS %				
1	6½ Sub	2.10	TOTAL HRS. RUN	4½					
23	STANDS DP	7191.50 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	40.70 FT.			Gel Chem	2	Caustic	1	
	TOTAL	7232.20 FT.			Lignite	2	Lime	1	
WT. OF STRING	140,000 LBS.				Soda Ash	1	Salt	200	

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 12¼"	1.10 FT.	BIT NO.	27	TIME	6:00	12:00	6:00	
1	B.C. Sub	4.40	SIZE	12¼	WEIGHT	10.2	10.2	10.1	
1	STB RMR OD	29.10 FT.	MFG.	Smith	PRESSURE GRADIENT				
2	D.C. ID OD	63.20 FT.	TYPE	OWV	VISC.-SEC.	44	44	42	
1	STB RMR OD	28.60 FT.	JET 1/32"	12 12 12	PV/YP	/	/	/	
2	D.C. ID OD	64.20 FT.	SER. NO.	RV415	GELS.	/	/	/	
1	STB RMR OD	1.45 FT.	DEPTH OUT		WL -CC'S.	9.6			
4	7" OD	114.11 FT.	DEPTH IN	7191	pH	9.5	9.5	10.0	
1		1.71	TOTAL FTG.	275	SOLIDS %				
1	6½ D.C.	30.52	TOTAL HRS. RUN	5½					
23	STANDS DP	1742.50 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED				
1	SINGLES DP	22.10 FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	39.40 FT.			Gel Chem	5	Caustic	1	
	TOTAL	7450.70 FT.			Lignite	2	Lime	1	
WT. OF STRING	144,000 LBS.				Soda Ash	1	Salt	200	

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	2.10 FT.	BIT NO.	27	TIME	12:00	6:00	12:00	
1		2.10	SIZE	12¼	WEIGHT	10.1	10.1	10.2	
1	STB RMR OD	62.70 FT.	MFG.	Smith	PRESSURE GRADIENT				
2	D.C. ID OD	63.20 FT.	TYPE	OWV	VISC.-SEC.	43	42	46	
1	STB RMR OD	28.60 FT.	JETS 1/32"	12 12 12	PV/YP	/	/	/	
2	D.C. ID OD	64.20 FT.	SER. NO.	RV415	GELS.	/	/	/	
1	STB RMR OD	1.45 FT.	DEPTH OUT		WL -CC'S.	9.6			
4	7" OD	114.11 FT.	DEPTH IN	7191	pH	9.5	9.5	10.0	
1		1.71	TOTAL FTG.	275	SOLIDS %				
1	6½ D.C.	30.52	TOTAL HRS. RUN	5½					
23	STANDS DP	1742.50 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED				
1	SINGLES DP	22.10 FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	39.40 FT.			Gel Chem	5	Caustic	1	
	TOTAL	7450.70 FT.			Lignite	2	Lime	1	
WT. OF STRING	144,000 LBS.				Soda Ash	1	Salt	200	

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D.C.
2381	7420	D		31	40	45	1000	6½	50	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	2:00	8		Drlg 12¼ hole

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D.C.
7420	7457				50	45	1000	6½	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	12:30	6½	2	Drilling 12¼ Hole
12:30	12:45	¼	15	Check B.P.
12:45	Mid	11¼	2	Drlg 12¼ Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D.C.
7457	7471	D			50	45	1000	6½	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
Mid	2:15	2¼		Drlg 12¼ Hole
2:15	2:45	½		Circ & Survey
2:45	3:00	¼		Drlg 12¼ Hole

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23586

DAILY DRILLING REPORT

REPORT NO. 74

LEASE	WELL NO.	API WELL NUMBER	DATE
[illegible]	A-4	A-46-30-123-20255	6-2-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Production Co.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6¼	H.E.F.	1	1	Emsco	D-100	16
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13⅜						503

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
13	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	7½	9
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			½
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8	7½	9

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	74		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
1	[illegible]	21.40	
2	STB RMR OD	6.70	FT.
1	D/C. ID STB OD	2.38	FT.
4	STB RMR OD	14.70	FT.
1	D/C. ID OD	1.45	FT.
4	STB RMR OD	11.41	FT.
1	[illegible]	1.01	
1	[illegible]	30.82	
1	[illegible]	3.50	
21	STANDS DP	1.2.18	FT.
2	SINGLES DP	60.25	FT.
	KELLY DOWN	26.67	FT.
	TOTAL	231.10	FT.
WT. OF STRING	140,000		LBS.

BIT RECORD

BIT NO.	27	
SIZE	12¼	
MFG.	Smith	
TYPE	F-3	
JETS 1/32"	16 16 16	
SER. NO.	PW5	
DEPTH OUT	7351	
DEPTH IN	7224	
TOTAL FTG.	127	
TOTAL HRS. RUN	25¾	
COND. 1/8's T/B/ GAGE		
GPM/ PD-PSI	/	

MUD RECORD

TIME	2400	0400	0800
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	67	58	60
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	10	10	10
SOLIDS %	12	12	12

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
[illegible]		[illegible]	

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
7267	7308	D		31	50	45	1100	6	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	0800	4		Drlg 7267-7308

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
1	[illegible]		
1	STB RMR OD	2.70	FT.
1	D.C. ID 1 OD	2.38	FT.
1	STB RMR OD	14.70	FT.
1	D.C. ID OD	1.45	FT.
1	STB RMR OD	11.41	FT.
1	[illegible]	1.01	
1	[illegible]	30.82	
1	[illegible]	3.50	
21	STANDS DP	1.2.18	FT.
2	SINGLES DP	60.25	FT.
	KELLY DOWN	26.67	FT.
	TOTAL	231.10	FT.
WT. OF STRING	140,000		LBS.

BIT RECORD

BIT NO.	27	
SIZE	12¼	
MFG.	Smith	
TYPE	F-3	
JET 1/32"	16 16 16	
SER. NO.	PW5	
DEPTH OUT	7351	
DEPTH IN	7224	
TOTAL FTG.	127	
TOTAL HRS. RUN	25¾	
COND. 1/8's T/B/ GAGE		
GPM/ PD-PSI	/	

MUD RECORD

TIME	1400	1800	2400
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	61	58	58
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	10	10	10
SOLIDS %	12	12	12

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
[illegible]		[illegible]	

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR.-P COM.-C
7267	7308	D		31	50	45	1100	6	50			S
7308	7342	D		32	50	45	1100	6¼	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
7308	2	N 32 E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1100	3	2	Drlg 12¼ Hole
1100	1115	¼	10	Survey Circ Hole Clean & Pump Slug
1115	1145	½	14	Swift
1145	1600	4¼	2	Drlg 12¼ Hole

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
1	[illegible]		
1	STB RMR OD	2.70	FT.
1	D.C. ID OD	2.38	FT.
1	STB RMR OD	14.70	FT.
1	D.C. ID OD	1.45	FT.
1	STB RMR OD	11.41	FT.
1	[illegible]	1.01	
1	[illegible]	30.82	
1	[illegible]	3.50	
21	STANDS DP	1.2.18	FT.
2	SINGLES DP	60.25	FT.
	KELLY DOWN	26.67	FT.
	TOTAL	231.10	FT.
WT. OF STRING	140,000		LBS.

BIT RECORD

BIT NO.	27	
SIZE	12¼	
MFG.	Smith	
TYPE	F-3	
JETS 1/32"	16 16 16	
SER. NO.	PW5	
DEPTH OUT	7351	
DEPTH IN	7224	
TOTAL FTG.	127	
TOTAL HRS. RUN	25¾	
COND. 1/8's T/B/ GAGE		
GPM/ PD-PSI	/	

MUD RECORD

TIME	1600	2000	2400
WEIGHT	9.2	9.2	9.2
PRESSURE GRADIENT			
VISC.-SEC.	58	58	58
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	10	10	10
SOLIDS %	12	12	12

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
[illegible]		[illegible]	

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
7342	7396	D		33	50	45	1100	6¼	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8		Drlg 12¼ Hole

DRILLER

C 23585

DAILY DRILLING REPORT — REPORT NO. 73

LEASE	WELL NO.	API WELL NUMBER	DATE
Pounds Mountain	A-4	A-99-60 30-123-4-35	6-1-74

OPERATOR	CONTRACTOR	RIG NO.
Pacific Coast Co.	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	L. Hall

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
5"	19.50	E	6 1/4	4 1/2 H	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-700	16
2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8						2403

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	12	8	4
3. REAMING	3½		
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	2	7	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.	½		
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	73		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 5.00	FT.	BIT NO.	37	TIME			0630
1	Jarrell	22.60	SIZE	12¼	WEIGHT			11.1
2	STB RMR OD	FT.	MFG.	Smith	PRESSURE GRADIENT			
1	D/C. ID OD	FT.	TYPE	FDGH	VISC.-SEC.		57	60
4	STB RMR OD	FT.	JETS 1/32"	16 16 16	PV/YP	/	/	/
1	D/C. ID OD	FT.	SER. NO.	RJ515	GELS	/	/	/
4	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.			
1	12¼ Sub	1.31	DEPTH IN	7191	pH			12
1	D.C.	30.34	TOTAL FTG.	10	SOLIDS %			
1	14 Sub	2.35	TOTAL HRS. RUN	1¾				
70	STANDS DP	6541.82 FT.	COND. 1/8's T/B/ GAGE	1/16	MUD & CHEMICALS ADDED			
1	SINGLES DP	FT.	GPM/ PD.-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	32.00 FT.			Gel	10 sks		
	TOTAL	7111.00 FT.						
WT. OF STRING	170,000	LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1.00 FT.	BIT NO.	37	TIME	1600	1400	1500
1	D.C. Sub	4.11	SIZE	12¼	WEIGHT	11.1	11.1	11.1
1	STB RMR OD	29.60 FT.	MFG.	Smith	PRESSURE GRADIENT			
2	D.C. ID OD	62.76 FT.	TYPE	FDGH	VISC.-SEC.	49	50	52
1	STB RMR OD	2.81 FT.	JET 1/32"	16 16 16	PV/YP	/	/	/
7	D.C. ID OD	214.70 FT.	SER. NO.	RJ515	GELS	/	/	/
1	STB RMR ¾ OD	1.95 FT.	DEPTH OUT	7141	WL.-CC'S.			
4	7" DCS	116.41	DEPTH IN	7191	pH	12.5	12.5	12.5
1		32.52	TOTAL FTG.	50	SOLIDS %			
1	5/6	2.50	TOTAL HRS. RUN	9¾				
70	STANDS DP	6541.82 FT.	COND. 1/8's T/B/ GAGE	2/16	MUD & CHEMICALS ADDED			
2	SINGLES DP	61.23 FT.	GPM/ PD.-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	41.00 FT.			Wtr Gel	40 sks	Soda	2 sks
	TOTAL	7031.17 FT.			Wtr	4 bbls	Soda	2 sks
WT. OF STRING	175,000	LBS.			Wtr	400 bbls	Soda	20 sks

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	2.10 FT.	BIT NO.	37	TIME	1600	2030	0830
1	D.C.	2.60	SIZE	12¼	WEIGHT	11.1	11.2	11.1
2	STB RMR OD	60.20 FT.	MFG.	Smith	PRESSURE GRADIENT			
1	D.C. ID OD	2.36 FT.	TYPE	FDGH	VISC.-SEC.	45	63	62
4	STB RMR OD	114.70 FT.	JETS 1/32"	16 16 16	PV/YP	/	/	/
1	D.C. ID OD	1.95 FT.	SER. NO.	RJ515	GELS	/	/	/
4	STB RMR OD	116.41 FT.	DEPTH OUT	7191	WL.-CC'S.		10.4	9.5
1	12¼ Sub	2.35	DEPTH IN	7191	pH	12.5	12.0	12.5
1	D.C.	30.34	TOTAL FTG.	50	SOLIDS %	Low Pf Lime 1.0%		
1	14 Sub	2.35	TOTAL HRS. RUN	11¾				
70	STANDS DP	6541.82 FT.	COND. 1/8's T/B/ GAGE	2/16	MUD & CHEMICALS ADDED			
1	SINGLES DP	31.23 FT.	GPM/ PD.-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	41.00 FT.			Wtr Gel	40 sks	Soda	2 sks
	TOTAL	7031.17 FT.			Wtr	4 bbls	Soda	2 sks
WT. OF STRING	175,000	LBS.			Wtr	400 bbls	Soda	20 sks

FOOTAGE FROM	FOOTAGE TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARTEL-P COMB.-C
7191	7191	D		10	50	45	1400	6¼	50			S
							1400			6½	62	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0215	2¼		Running in hole - 27
0215	0245	½		Circ. Clean 7040 - (Up. Plug 5.5)
0245	0615	3½		Trip out to bottom Conn. 7060 To 7191 (Core)
0615	0900	1¾		Circ. 12¼ Hole

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1.00 FT.	BIT NO.	37	TIME	1600	1400	1500
1	D.C. Sub	4.11	SIZE	12¼	WEIGHT	11.1	11.1	11.1
2	STB RMR OD	29.60 FT.	MFG.	Smith	PRESSURE GRADIENT			
1	D.C. ID OD	62.76 FT.	TYPE	FDGH	VISC.-SEC.	49	50	52
1	STB RMR OD	2.81 FT.	JET 1/32"	16 16 16	PV/YP	/	/	/
7	D.C. ID OD	214.70 FT.	SER. NO.	RJ515	GELS	/	/	/
1	STB RMR ¾ OD	1.95 FT.	DEPTH OUT	7141	WL.-CC'S.			
4	7" DCS	116.41	DEPTH IN	7191	pH	12.5	12.5	12.5
1		32.52	TOTAL FTG.	50	SOLIDS %			
1	5/6	2.50	TOTAL HRS. RUN	9¾				
70	STANDS DP	6541.82 FT.	COND. 1/8's T/B/ GAGE	2/16	MUD & CHEMICALS ADDED			
2	SINGLES DP	61.23 FT.	GPM/ PD.-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	41.00 FT.			Wtr Gel	40 sks	Soda	2 sks
	TOTAL	7031.17 FT.			Wtr	4 bbls	Soda	2 sks
WT. OF STRING	175,000	LBS.			Wtr	400 bbls	Soda	20 sks

FOOTAGE FROM	FOOTAGE TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARTEL-P COMB.-C
7191	7231	D			60	45	1400	6¼	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	1100	5	2	Drlg. 12¼ Hole

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 5.00	2.10 FT.	BIT NO.	37	TIME	1600	2030	0830
1	D.C.	2.60	SIZE	12¼	WEIGHT	11.1	11.2	11.1
2	STB RMR OD	60.20 FT.	MFG.	Smith	PRESSURE GRADIENT			
1	D.C. ID OD	2.36 FT.	TYPE	FDGH	VISC.-SEC.	45	63	62
4	STB RMR OD	114.70 FT.	JETS 1/32"	16 16 16	PV/YP	/	/	/
1	D.C. ID OD	1.95 FT.	SER. NO.	RJ515	GELS	/	/	/
4	STB RMR OD	116.41 FT.	DEPTH OUT	7191	WL.-CC'S.		10.4	9.5
1	12¼ Sub	2.35	DEPTH IN	7191	pH	12.5	12.0	12.5
1	D.C.	30.34	TOTAL FTG.	50	SOLIDS %	Low Pf Lime 1.0%		
1	14 Sub	2.35	TOTAL HRS. RUN	11¾				
70	STANDS DP	6541.82 FT.	COND. 1/8's T/B/ GAGE	2/16	MUD & CHEMICALS ADDED			
1	SINGLES DP	31.23 FT.	GPM/ PD.-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	41.00 FT.			Wtr Gel	40 sks	Soda	2 sks
	TOTAL	7031.17 FT.			Wtr	4 bbls	Soda	2 sks
WT. OF STRING	175,000	LBS.			Wtr	400 bbls	Soda	20 sks

FOOTAGE FROM	FOOTAGE TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARTEL-P COMB.-C
7231	7269	D		38	50	45	1400	6¼	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	2400	5		Drlg. 12¼ Hole

DRILLER

Form 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


JUN 17 1974
YELLOWKNIFE, N.W.T.

C 23584

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT. / FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS				

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T. B. GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T. B. GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PARL.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T. B. GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23583

DAILY DRILLING REPORT REPORT NO. 71

LEASE	WELL NO.	API WELL NUMBER	DATE
Ferris Allen	A-4	API #30-025-12544-22	5-30-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Prod. Co.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Neal Johnson	J. H. Fisher

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	NC 50	1	1	Emsco	D-360	16
						2	Emsco	D-360	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8						2403

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/32	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN	7	5	
2. DRILL ACTUAL	7	9	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¼		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.	¼		
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	16	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	71		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.	24	TIME	6AM	12AM	6PM
2	12¼ Smith	4,403	SIZE	12¼	WEIGHT	10.2	10.2	10.3
1	STB RMR OD	FT.	MFG.	Hycalog	PRESSURE GRADIENT			
2	D.C. ID OD	FT.	TYPE	X-3A	VISC.–SEC.	30	32	31
4	STB RMR OD	FT.	JETS 1/32"	14 14 13	PV/YP	1/	1/	1/
1	D.C. ID OD	FT.	SER. NO.	54291	GELS.	1/	1/	1/
1	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.			
1	12¼ Rock	121	DEPTH IN	4,403	pH	10.5	10.5	10.5
1	9 Drill Collars	90.42	TOTAL FTG.	127	SOLIDS %	7	7	7
1	Jars	30	TOTAL HRS. RUN	23½				
1	STANDS DP	4,123.58 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	39.00 FT.			Gel	2		
	TOTAL	4,162.58 FT.			Lime	2		
	WT. OF STRING	110,000 LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	4,403 FT.	BIT NO.	24	TIME	6AM	12AM	6PM
2	8 Drill Collars	246	SIZE	12¼	WEIGHT	10.3	10.2	10.3
1	STB RMR OD	22.16 FT.	MFG.	Hycalog	PRESSURE GRADIENT			
2	D.C. ID 1 OD	124 FT.	TYPE	X-3A	VISC.–SEC.	42	45	43
1	STB RMR OD	7.55 FT.	JET 1/32"	14 14 13	PV/YP	1/	1/	1/
4	D.C. ID OD	118.21 FT.	SER. NO.	54291	GELS.	1/	1/	1/
1	STB RMR OD	7.55 FT.	DEPTH OUT	4,403	WL.–CC'S.			
4	8 Drill Collars	241.11	DEPTH IN	4,608	pH	10.5	10.5	10.5
1	Jars	31.42	TOTAL FTG.	312	SOLIDS %	7	7	7
1	12¼ Stab	4.80	TOTAL HRS. RUN	31½				
15	STANDS DP	4,383.35 FT.	COND. 1/8's T/B/ GAGE	R 2	MUD & CHEMICALS ADDED			
2	SINGLES DP	120 FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	39.00 FT.			Gel	2		
	TOTAL	4,542.35 FT.			Lime	2		
	WT. OF STRING	120,000 LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	2.10 FT.	BIT NO.	24	TIME	6AM	12AM	6PM
			SIZE	12¼	WEIGHT	10.3	10.3	10.3
1	STB RMR OD	2.10 FT.	MFG.	Hycalog	PRESSURE GRADIENT			
1	D.C. ID OD	2.10 FT.	TYPE	X-3A	VISC.–SEC.	43	43	43
4	STB RMR OD	118.20 FT.	JETS 1/32"	14 14 13	PV/YP	1/	1/	1/
1	D.C. ID OD	31.42 FT.	SER. NO.	54291	GELS.	1/	1/	1/
4	STB RMR OD	7.55 FT.	DEPTH OUT	4,608	WL.–CC'S.			
1	12¼ Stab	4.80	DEPTH IN	4,808	pH	10.5	10.5	10.5
1	8 Drill Collars	30.42	TOTAL FTG.	265	SOLIDS %	7	7	7
1	Jars	31.42	TOTAL HRS. RUN	23½				
1	12¼ Stab	2.10	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
11	STANDS DP	3,411.11 FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE	AMT.
	SINGLES DP	FT.						
	KELLY DOWN	39.00 FT.						
	TOTAL	3,716.00 FT.						
	WT. OF STRING	120,000 LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.
4122	4165	D		Sd	50	40	1000	6¾	50			S
										6¾	50	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4140	1°	NE						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0145	1¾		Drlg 12¼ Hole
0145	0200	¼		Mud Gas Cut Screen Plugged Pump Pressure
0200	0300	1		Drlg 12¼ Hole
0300	0545	2¾		Circ & Cond Mud for Survey
0545	0800	2¼		Drlg 12¼ Hole

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.
4165	4430	D			50	45	1000	6¾	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8	2	Drlg 12¼ Hole

DRILLER

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.
7090	7096	D		Sd	50	45	1400	6¾	50	6¾	50	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8		Drlg 12¼ Hole

DRILLER

EVENING TOUR

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23582

DAILY DRILLING REPORT

REPORT NO. 90

LEASE	WELL NO.	API WELL NUMBER	DATE
Pumpco Blk.	A-4	A-43-60-30-123-W-5S	5-27-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
5"	19.50	E	6 2	4 1/2 H	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-700	12
2	Emsco	D-700	12

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

SIZE | NO. LINES | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8						2308

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	1	7 1/4	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	5 1/2		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		1/4	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. [illegible]	14 1/2		
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	5 1/2	7 1/4	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 10

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
1	[illegible]	2160	
1	STB RMR OD	22.20	FT.
1	D.C. ID OD	2.86	FT.
4	STB RMR OD	114.70	FT.
1	D.C. ID OD	1.45	FT.
4	STB RMR OD	116.61	FT.
1	[illegible]	1.31	
1	[illegible]	2548	
1	[illegible]	2.40	
60	STANDS DP	1171.36	FT.
1	SINGLES DP	30.41	FT.
	KELLY DOWN	29.65	FT.
	TOTAL	2.00	FT.
WT. OF STRING	170000		LBS.

BIT RECORD

BIT NO.	26
SIZE	12 1/4
MFG.	[illegible]
TYPE	X 3 C
JETS 1/32"	14 14 14
SER. NO.	54251
DEPTH OUT	
DEPTH IN	6308
TOTAL FTG.	3
TOTAL HRS. RUN	1
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME		5	0700
WEIGHT		10	11.1
PRESSURE GRADIENT			
VISC.-SEC.		1	64
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1	[illegible]	[illegible]	
1	STB RMR OD	22.42	FT.
1	D.C. ID OD	120.7	FT.
1	STB RMR OD	2.54	FT.
1	D.C. ID OD	114.80	FT.
1	STB RMR OD	1.45	FT.
1	[illegible]	116.41	
1	[illegible]	30.32	
1	[illegible]	2.56	
19	STANDS DP	1206.3	FT.
	SINGLES DP		FT.
	KELLY DOWN	14.00	FT.
	TOTAL	1423.65	FT.
WT. OF STRING	170000		LBS.

BIT RECORD

BIT NO.	26
SIZE	12¼
MFG.	Hyc
TYPE	X 3 C
JET 1/32"	14 14 14
SER. NO.	54251
DEPTH OUT	6308
DEPTH IN	6253
TOTAL FTG.	55
TOTAL HRS. RUN	8¼
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0730	1	1500
WEIGHT	11.1		11.1
PRESSURE GRADIENT			
VISC.-SEC.	64		64
PV/YP	/	/	14/10
GELS.	/	/	6/5
WL -CC'S.			5.4
pH			10.0
SOLIDS %			9.5

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lignosulfonate			
Caustic Soda	150 Lbs		
Lime	40 Lbs		

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
	[illegible]	[illegible]	
2	STB RMR OD	62.20	FT.
1	D.C. ID OD	2.86	FT.
4	STB RMR OD	114.70	FT.
1	D.C. ID OD	1.45	FT.
4	STB RMR OD	116.61	FT.
1	[illegible]	1.31	
1	[illegible]	2548	
1	[illegible]	2.40	
60	STANDS DP	1171.36	FT.
1	SINGLES DP	30.41	FT.
	KELLY DOWN	29.65	FT.
	TOTAL	2.00	FT.
WT. OF STRING	170000		LBS.

BIT RECORD

BIT NO.	26
SIZE	12¼
MFG.	Hyc
TYPE	X 3 C
JETS 1/32"	14 14 14
SER. NO.	54251
DEPTH OUT	6308
DEPTH IN	6253
TOTAL FTG.	55
TOTAL HRS. RUN	8¼
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0730	1	1500
WEIGHT	11.1		11.1
PRESSURE GRADIENT			
VISC.-SEC.	64		64
PV/YP	/	/	14/10
GELS.	/	/	6/5
WL -CC'S.			5.4
pH			10.0
SOLIDS %			9.5

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lignosulfonate			
Caustic Soda	150 Lbs		
Lime	40 Lbs		

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
	[illegible]	[illegible]	
2	STB RMR OD	62.20	FT.
1	D.C. ID OD	2.86	FT.
4	STB RMR OD	114.70	FT.
1	D.C. ID OD	1.45	FT.
4	STB RMR OD	116.61	FT.
1	[illegible]	1.31	
1	[illegible]	2548	
1	[illegible]	2.40	
60	STANDS DP	1171.36	FT.
1	SINGLES DP	30.41	FT.
	KELLY DOWN	29.65	FT.
	TOTAL	2.00	FT.
WT. OF STRING	170000		LBS.

BIT RECORD

BIT NO.	26
SIZE	12¼
MFG.	Hyc
TYPE	X 3 C
JETS 1/32"	14 14 14
SER. NO.	54251
DEPTH OUT	6308
DEPTH IN	6253
TOTAL FTG.	55
TOTAL HRS. RUN	8¼
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0730	1	1500
WEIGHT	11.1		11.1
PRESSURE GRADIENT			
VISC.-SEC.	64		64
PV/YP	/	/	14/10
GELS.	/	/	6/5
WL -CC'S.			5.4
pH			10.0
SOLIDS %			9.5

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lignosulfonate			
Caustic Soda	150 Lbs		
Lime	40 Lbs		

DAY TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
6308	6313	D		[illegible]	50	45	1000	6 3/4	50	6 3/4	50	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0300	3		Trip out for bit
0300	0345	¾		Pull wear bushing, Change BHA, Pick up bit #26, Clean junk
0345	0600	2¼		Run in hole with bit #26, Wash & ream 60' to bottom
0600	0700	1		Wash & ream 60' to bottom, Circ. & cond. mud for trip
0700	0800	1		Drill 12¼" hole from 6308' to 6313'

DRILLER [illegible]

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
1513	1613			[illegible]	50	45	1000	6¾	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0945	1¾	2	Drilling rotate ahd
0945	1000	¼	15	Circ. Pipe Rotating
1000	1530	5½	2	Drilling rotate ahd
1530	1600	½	21	Clean Derrick Floor & Rig Drums

DRILLER [illegible]

FOOTAGE / FORMATION

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
1613	1722	D		[illegible]	50	45	1000	6¾	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8		Drilling rotate ahd

DRILLER [illegible]

EVENING TOUR

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23581

DAILY DRILLING REPORT

REPORT NO. 89

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MTN A-4	A-4	A-55-60-30-123-W5	5-28-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

A Lockhart

LEGAL LAND DESCRIPTION POINTED MTN A-55

WIRE LINE RECORD REEL NO.

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 3/4"	4 1/2 IF	1	1	EMSCO	D-1000	18"
						2	EMSCO	D-700	16"

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						2503

WIRE LINE RECORD: SIZE 1 3/8 | NO. LINES 10 | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	7	13½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			1
7. LUBRICATE RIG			
8. REPAIR RIG		1	
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			1/4
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 14

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT SUB	4.10	FT.
1	MONEL	29.60	
2	STB RMR OD	6.07	FT.
1	D.C. ID OD	2.86	FT.
4	STB RMR OD	14.70	FT.
4	D.C. ID OD	112.61	FT.
1	STB RMR OD	1.71	FT.
9	6½ D.C.'S	280.52	
1	6" SUB	2.50	
65	STANDS DP	6044.37	FT.
2	SINGLES DP	61.70	FT.
	KELLY DOWN	22.31	FT.
	TOTAL	6745	FT.
WT. OF STRING	186 000	LBS.	

BIT RECORD

BIT NO.	25
SIZE	12¼
MFG.	SMITH
TYPE	SDGH
JETS 1/32"	14/14/15
SER. NO.	RD-955
DEPTH OUT	
DEPTH IN	6339
TOTAL FTG.	406
TOTAL HRS. RUN	76
COND. 1/8's T/B/ GAGE	R/4/N
GPM/ PD-PSI	/

MUD RECORD

TIME	0100	0310	0600
WEIGHT	11.2	11.1	11.1
PRESSURE GRADIENT			.577
VISC.-SEC.	68	73	65
PV/YP	/	/	24/28
GELS.	/	/	4/36
WL -CC'S.			8
pH	10	10	10
SOLIDS %			15%
SAND			30%

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#		

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D.-C
6705	6745	D		DEGANDER DISCHARGE - 5± g.p.m. OF - 13.1 OF - 11.0±	50	45	1100	6¾	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		DRLG 12¼ HOLE

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING		LBS.	

BIT RECORD

BIT NO.	25
SIZE	12¼
MFG.	SMITH
TYPE	SDGH
JET 1/32"	14/14/15
SER. NO.	RD-955
DEPTH OUT	
DEPTH IN	6339
TOTAL FTG.	437
TOTAL HRS. RUN	82½
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	0600	1200	
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D.-C
6745		D			50	45	1100	6¾	50	6¼	60	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1300	7		Drlg 12¼ Hole
1300	1400	1	10	Deviation
1400	2300	9		Drlg 12¼ Hole
2300	2330	½	8	Repair Rig
2330	0001	½		Drlg 12¼ Hole

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING		LBS.	

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'EL.-P COM'D.-C
6745	6805	D			50	45	1100	6¾	50	6¼	60	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	2345	11¾	2	Drlg 12¼ Hole
2345	0001	¼	5	Survey & Slug Pipe Lines Dry
0001	0400	4	1	Short Trip for Bit

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JUN 17 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23580

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MTN	A-4	A-55-60-30-123-W45	5-27-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
5"	19.50	E	6 5/8"	4 1/2 IF	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-1000	18"
2	Emsco	D-700	17"

LEGAL LAND DESCRIPTION POINTED MTN A-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8						2503

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/8	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	8	7
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			1
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD	88
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	$6723.53

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T.B. GAGE	
GPM/ PD–PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP			
GELS			
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT SUB	1.00	FT.
1	MONEL	29.60	
2	STB RMR OD	6.07	FT.
1	D.C. ID OD	116.70	FT.
1	STB RMR OD	1.45	FT.
9	D.C. ID OD	116.81	FT.
1	STB RMR OD	1.71	FT.
9	6 5/8 DCS	280.52	
1	6 5/8 SUB	2.50	
	TOOLS	47.12	
64	STANDS DP	5952.05	FT.
1	SINGLES DP	29.18	FT.
	KELLY DOWN	29.05	FT.
	TOTAL	6628	FT.
WT. OF STRING		181000	LBS.

BIT RECORD	
BIT NO.	25
SIZE	12 1/4
MFG.	SMITH
TYPE	5004
JETS 1/32"	14 14 12
SER. NO.	KW-455
DEPTH OUT	
DEPTH IN	6339
TOTAL FTG.	289
TOTAL HRS. RUN	53
COND. 1/8's T.B. GAGE	1 1 WT NO
GPM/ PD–PSI	

MUD RECORD			
TIME	0100	0300	0600
WEIGHT	11.1	11.1+	11.1
PRESSURE GRADIENT			
VISC.–SEC.	65	62	59
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S.			
pH	10.0	10.0	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Wtmd.	2000#	CAUSTIC	50#
Gelex 4# =		H2O	5 gl/m
KCl-G	150#		
Gel	100#		

FOOTAGE FROM	FOOTAGE TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL.–S PAR.EL.–P COM.D.C.
6540	6629	D		DESANDER								
				Discharge – 54 gpm	50	45	1100	6 1/2		6 1/2	60	S
				VF – 14.7								
				SF – 11.0+								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		DRLG 12 1/4 HOLE

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD	
BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T.B. GAGE	
GPM/ PD–PSI	

MUD RECORD			
TIME	1000	1145	1500
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL.–S PAR.EL.–P COM.D.C.
6628	6670	D		42								
					50	40	1100	6 1/2	50	6 1/2	50	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	1130	5		DRLG 12 1/4 HOLE

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT SUB	4.10	FT.
1	MONEL	29.60	
2	STB RMR OD	12.07	FT.
1	D.C. HEADER ID OD	2.86	FT.
4	STB RMR OD	114.70	FT.
4	D.C. ID OD	116.81	FT.
1	STB RMR OD	1.71	FT.
9	6 5/8 DCS	280.52	
1	6 5/8 SUB	2.50	
	TOOLS	47.12	
65	STANDS DP	6704.88	FT.
1	SINGLES DP	29.18	FT.
	KELLY DOWN	29.05	FT.
	TOTAL	6772	FT.
WT. OF STRING		185000	LBS.

BIT RECORD	
BIT NO.	25
SIZE	12 1/4
MFG.	SMITH
TYPE	5004
JETS 1/32"	14 14 12
SER. NO.	KW-455
DEPTH OUT	6670
DEPTH IN	6629
TOTAL FTG.	41
TOTAL HRS. RUN	6
COND. 1/8's T.B. GAGE	1 1 WT NO
GPM/ PD–PSI	

MUD RECORD			
TIME	1700	1900	2200
WEIGHT			11.1+
PRESSURE GRADIENT			
VISC.–SEC.			59
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S.			
pH	10.0	10.0	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	12#		
Gelex	16#		
KCl-G	150#		

FOOTAGE FROM	FOOTAGE TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL.–S PAR.EL.–P COM.D.C.
6670	6705	D										
					50	45	1900	6 1/2	50	6 1/2		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6694	1°	N 72 E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
	1045	6 3/4		
1045	2345	1		EASTMAN SURVEY CORP
2345	2400	1/4		DRLG 12 1/4 HOLE

DRILLER

EVENING TOUR

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


JUN 11 1974
YELLOWKNIFE, N.W.T.

C 23579

DAILY DRILLING REPORT — REPORT NO. 27

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MTN	A-4	8-55-60-30-123-W5	5-26-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A Lushey

LEGAL LAND DESCRIPTION: A-55-60-30-123-W5

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
5"	19.50	E	6 1/4	4 1/2 IF	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-1000	18"
2	Emsco	D-700	16"

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						2503

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/16	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	5 1/4	7	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	2 1/4	1	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	27		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST	$65,001.13		

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT SUB		4.10 FT.
1	MONEL		29.60
2	STB RMR	OD	2.67 FT.
4	D.C. ID	OD	184.76 FT.
1	STB RMR	OD	1.05 FT.
4	D.C. ID	OD	186.61 FT.
1	STB RMR	OD	1.11 FT.
9	6 1/4 DCS		280.52
1	6 SUB		2.70
			617.12
63	STANDS DP		5857.53 FT.
—	SINGLES DP		31.74 FT.
	KELLY DOWN		38.39 FT.
	TOTAL		6527 FT.
WT. OF STRING	178,000		LBS.

BIT RECORD

BIT NO.	25
SIZE	12 1/4
MFG.	SMITH
TYPE	EDGH
JETS 1/32"	14 14 15
SER. NO.	RV-155
DEPTH OUT	6339
DEPTH IN	6155
TOTAL FTG.	184
TOTAL HRS. RUN	30
COND. 1/8's T/B GAGE	R I/I
GPM/ PD-PSI	

MUD RECORD

TIME	0100	0330
WEIGHT	11.1+	11.1
PRESSURE GRADIENT		
VISC.-SEC.	64	74
PV/YP	/	/
GELS.	/	/
WL-CC'S.	/	/
pH	9.5	10.0
SOLIDS %		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
XP-20	150#		
WC-100	50#		
CAUSTIC	100#		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
1			31.00
2	STB RMR	OD	2.67 FT.
1	D.C. ID	OD	2.25 FT.
4	STB RMR	OD	184.76 FT.
1	D.C. ID	OD	1.05 FT.
6	STB RMR	OD	186.61 FT.
1	6 SUB		1.11
1	6 DCS		280.52
1	6 SUB		2.70
			617.12
63	STANDS DP		5857.53 FT.
2	SINGLES DP		63.12 FT.
	KELLY DOWN		38.39 FT.
	TOTAL		6578.04 FT.
WT. OF STRING	180,000		LBS.

BIT RECORD

BIT NO.	25
SIZE	12 1/4
MFG.	SMITH
TYPE	EDGH
JET 1/32"	14 14 15
SER. NO.	RV 155
DEPTH OUT	6339
DEPTH IN	6155
TOTAL FTG.	184
TOTAL HRS. RUN	30
COND. 1/8's T/B GAGE	R I/I
GPM/ PD-PSI	

MUD RECORD

TIME	0330	1130	1130
WEIGHT	11.1+	11.1+	11.1+
PRESSURE GRADIENT			
VISC.-SEC.	60	60	57
PV/YP	/	/	/
GELS.	/	/	/
WL-CC'S.	/	/	8.2
pH	10.0	10.0	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
XP-20	50#		
WC-100	100#		
CAUSTIC	100#		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT SUB		4.10 FT.
1	MONEL		29.60
2	STB RMR	OD	2.67 FT.
4	D.C. ID	OD	184.76 FT.
1	STB RMR	OD	1.05 FT.
6	D.C. ID	OD	186.61 FT.
1	STB RMR	OD	1.11 FT.
9	6 1/4 DCS		280.52
1	6 SUB		2.70
			617.12
63	STANDS DP		5857.53 FT.
2	SINGLES DP		63.12 FT.
	KELLY DOWN		38.39 FT.
	TOTAL		6578.04 FT.
WT. OF STRING	180,000		LBS.

BIT RECORD

BIT NO.	25
SIZE	12 1/4
MFG.	SMITH
TYPE	EDGH
JET 1/32"	14 14 15
SER. NO.	RV 155
DEPTH OUT	6339
DEPTH IN	6155
TOTAL FTG.	184
TOTAL HRS. RUN	30
COND. 1/8's T/B GAGE	R I/I
GPM/ PD-PSI	

MUD RECORD

TIME	1130	2000	2200
WEIGHT	11.1+	11.1	11.1
PRESSURE GRADIENT			
VISC.-SEC.	60	59	61
PV/YP	/	/	/
GELS.	/	/	/
WL-CC'S.	/	/	/
pH	10.0	10.0	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
XP-20	50#		
WC-100	100#		
CAUSTIC	100#		

FOOTAGE / FORMATION

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARTL.-P COMPL.-C
6492	6528	D		DESANDER DISCHARGE - 5 GPM UE - 14.0+ OF - 11.0	50	4/5	1600	6 3/4		6 1/4	60	S
	6578											

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6477								

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0445	4 3/4		DRLG 12 1/4 HOLE
0445	0700	2 1/4		SURVEY (MISS) & WORK ON PUMP
0700	0800	1		DRLG

DRILLER: A Stella

DAY TOUR

FOOTAGE / FORMATION

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARTL.-P COMPL.-C
6517	6584	D		36								
							1400					

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6570	3	SE						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1200	4		Drlg 12 1/4 hole
1200	1300	1		Circ & cond for trip
1300	1400	1		Drop survey & POOH

DRILLER

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARTL.-P COMPL.-C
6584	6590	D						6 3/4				
							1600			6 1/4	61	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8		Drlg 12 1/4 hole

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23578

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MTN	A-4	A-55-60-30-123-W45	5-25-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER — Al Kuchek

LEGAL LAND DESCRIPTION: POINTED MTN A-55

WIRE LINE RECORD — REEL NO.

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 1/4	4 1/2 IF	1	1	Emsco	D-IIEE	18"
						2	Emsco	D-22	18"

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						2503

WIRE LINE RECORD: SIZE 1 3/8 — NO. LINES 10 — FT. SLIPPED — FT. CUT OFF — PRESENT LENGTH — TON MI. OR TRIPS SINCE LAST CUT — CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	8	6½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			1½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK	8		
NO. OF DAYS FROM SPUD	86		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	1.00	FT.
1	Bit Sub	4.10	
1	STB RMR Monel OD	29.60	FT.
2	D.C. ID 4" OD	62.01	FT.
1	STB RMR Reamer OD	2.86	FT.
4	D.C. ID 9" OD	114.17	FT.
1	STB RMR 9 1/8 OD	1.45	FT.
4	9" D.C.'s	116.61	
9	6 1/2 D.C.	280.22	
1	Sub	2.50	
61	STANDS DP	5674.17	FT.
2	SINGLES DP	61.24	FT.
	KELLY DOWN	43.39	FT.
	TOTAL	6396	FT.
WT. OF STRING		176000	LBS.

BIT RECORD

BIT NO.	25
SIZE	12 1/4
MFG.	SMITH
TYPE	SDGH
JETS 1/32"	14 14 15
SER. NO.	RV-955
DEPTH OUT	
DEPTH IN	6339
TOTAL FTG.	47
TOTAL HRS. RUN	9 1/2
COND. 1/8's T.B. GAGE	2 1 N
GPM PD-PSI	/ /

MUD RECORD

TIME	0100	0300	0600
WEIGHT	11.2	11.2	11.1
PRESSURE GRADIENT			
VISC.-SEC.	55	57	58
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH	10	10	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	100#		
GELEX	4#		
X-TEL-G	150#		
H2O	56BBL		

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
1	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T.B. GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	2100		
WEIGHT	11.2		11.1
PRESSURE GRADIENT			
VISC.-SEC.	41	52	55
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			18
pH			
SOLIDS %			15

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	1.00	FT.
1	Bit Sub	4.10	
1	STB RMR Monel OD	29.60	FT.
2	D.C. ID OD	62.01	FT.
1	STB RMR Reamer OD	2.86	FT.
4	D.C. ID 9" OD	114.17	FT.
1	STB RMR 9 1/8 OD	1.45	FT.
4	9" D.C.'s	116.61	
9	6 1/2 D.C.	280.22	
1	Sub	2.50	
61	STANDS DP	5657.57	FT.
2	SINGLES DP	61.24	FT.
	KELLY DOWN	17.35	FT.
	TOTAL	6492	FT.
WT. OF STRING		176000	LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	153
TOTAL HRS. RUN	24 1/4
COND. 1/8's T.B. GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	1700	1150	2200
WEIGHT	11.2	11.2	11.1
PRESSURE GRADIENT			
VISC.-SEC.	53	52	52
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.			
pH	10.0	10.0	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	100#		
Gelex	1#		

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL..S PARL..P COM..C.
6349	6396	D		DESANDER -								
				DISCHARGE - 6½ GPM	50	45	1400	6 3/4	50	6 1/4		S
				UF - 14.4	50	43	1900	6 3/4	50			
				OF - 11.0								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		DRLG 12¼ HOLE

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PARL..P COM..C.
6396	6451	D		[illegible]								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
[illegible]	1000	8		

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PARL..P COM..C.
[illegible]	6492	D					1600			6 3/4	50	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
[illegible]	2145	5 3/4		
2145	2300	1 1/2		EASTMAN SURVEY - MISSRUN
2300		1		DRLG 12¼ HOLE

DRILLER

Form 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23577

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MTN	A-H	A-55-60-30-123-W 45	5-24-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
5"	19.50	E	6 1/4	4 1/2 IF	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D-100C	18"
2	EMSCO	D-700	16"

LEGAL LAND DESCRIPTION POINTED MTN A-55

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						252'

WIRE LINE RECORD REEL NO.

SIZE 1 3/8 NO. LINES 12 FT. SLIPPED

FT. CUT OFF PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7	3 1/2	1 1/2
3. REAMING	1		2 3/4
4. CORING			
5. CONDITION MUD & CIRCULATE		1/2	
6. TRIPS		3 1/2	2 3/4
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		1/2	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER			1/2
22. OTHER			1/2
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	85		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	4.10 FT.	BIT NO.	24	TIME	0100	0400	0620
1	MONEL	29.60	SIZE	12 1/4	WEIGHT	11.4	11.1	11.3
1	STB RMR OD	6.87 FT.	MFG.	SMITH	PRESSURE GRADIENT			
4	D.C. ID OD	114.77 FT.	TYPE	SDGH	VISC.–SEC.	53	55	58
4	STB RMR OD	116.61 FT.	JETS 1/32"	15 14 14	PV/YP	/	/	/
1	D.C. ID OD	1.71 FT.	SER. NO.	RX-C06	GELS	/	/	/
9	STB RMR OD	280.51 FT.	DEPTH OUT		WL –CC'S			
1	5 1/6	2.50	DEPTH IN	5850	pH	9.5	9.5	10.0
		617.12	TOTAL FTG.	456	SOLIDS %			
			TOTAL HRS. RUN	99				
61	STANDS DP	5674.17 FT.	COND. 1/8's T/B. GAGE	RUN	MUD & CHEMICALS ADDED			
—	SINGLES DP	FT.	GPM/ PD–PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	34.71 FT.			X-PEL-G	150#		
	TOTAL	6326 FT.						
WT. OF STRING	176000 LBS.							

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.–SEC.			
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B. GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD–PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING	LBS.							

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.–SEC.			
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B. GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD–PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING	LBS.							

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.–SEC.			
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S			
			DEPTH IN	6339	pH			9.5
	TOOLS		TOTAL FTG.	10	SOLIDS %			
	617.12		TOTAL HRS. RUN					
61	STANDS DP	5674.17 FT.	COND. 1/8's T/B. GAGE	RUN	MUD & CHEMICALS ADDED			
1	SINGLES DP	29.13 FT.	GPM/ PD–PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	27.78 FT.						
	TOTAL	FT. 6349						
WT. OF STRING	176000 LBS.							

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL..S PARL..P COM..C
6292	6326	D		DESANDER –								
				DISCHARGE – 5 GPM	50	45	1900	6 3/4	50	6 1/2		S
				UF – 13.4								
				OF – 11.0#								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0230	2 1/2		DRLG 12 1/4 HOLE
0230	0330	1		REAM BACK TO BOTTOM – 6' OF FILL ON CONN
0330	0800	4 1/2		DRLG 12 1/4 HOLE

DRILLER Ed Steele

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL..S PARL..P COM..C
6326	6351	D		13'								
					50	45	1100	6 3/4	50			S
							1400			6 1/2	60	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6330	1/2	S 40 W						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0930	3 1/2		CIRC & COND F TRIP
0930	1200	2 1/2		CIRC FOR F TRIP
1200	1230	1/2		CIRC & COND MUD FOR TRIP
1230	1400	2 1/2		STRAP OUT CORE FACES

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL..S PARL..P COM..C
6351	6349	D										

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	1/2		FISH OUT
1630	1700	1/2	21	CIRC & COND MUD & PUMP DRY JOB FOR TRIP
1700	1715	2 1/4		MU BIT & TRIP IN
1715	1745	1/2	22	UNPLUG BIT & CIRC CORE
1745	2230	2 3/4		CUT CORE TO 6339 – 10' REC. 6326 TO 6339 – 9'
2230	2400	1 1/2		DRLG – 12 1/4 HOLE

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23576

DAILY DRILLING REPORT — REPORT NO. 84

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MTN	A-4	A-55-CO-30-125-W45	05-13-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A Loffland

D.P. SIZE	WT. / FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
5"	16.50	E	6 1/4	4 1/2 IF	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-1100	18"
2	Emsco	D-700	18"

LEGAL LAND DESCRIPTION: POINTED MTN A-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8						450'

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/8	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	8	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	84		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT SUB	31.10	FT.
1	MONEL	29.60	
2	STB RMR OD	6.07	FT.
1	D.C. ID 8" OD	2.50	
11	8" DC OD	1141.32	FT.
1	STB RMR OD	6.45	FT.
4	D.C. ID 7" OD	116.61	FT.
1	STB RMR OD	1.71	FT.
9	6 1/2 DC's	280.52	
1	4" SUB	2.50	
		617.12	
60	STANDS DP	5550.00	FT.
—	SINGLES DP		FT.
	KELLY DOWN	14.73	FT.
	TOTAL	6222	FT.
WT. OF STRING		175000	LBS.

BIT RECORD

BIT NO.	2N
SIZE	12 1/4
MFG.	SMITH
TYPE	SDGH
JETS 1/32"	15 14 14
SER. NO.	RK006
DEPTH OUT	
DEPTH IN	5350
TOTAL FTG.	372
TOTAL HRS. RUN	76
COND. 1/8's T/B/ GAGE	R W I
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0900	1200	2400
WEIGHT	10.0+	10.1+	10.1+
PRESSURE GRADIENT			
VISC.-SEC.	54	53	53
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH	10.0	10.0	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
XP-20	150#		
W-350	50#		
H2O	4 bbl/min		

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PAR-EL-P COM-DC
6187	6222	D			50	45	1900	6 3/4	50	6 1/4		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		DRLG 12 1/4 HOLE

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
1	SINGLES DP	1.97	FT.
	KELLY DOWN	20.11	FT.
	TOTAL	6222.00	FT.
WT. OF STRING		175000	LBS.

BIT RECORD

BIT NO.	2N
SIZE	12 1/4
MFG.	SMITH
TYPE	SDGH
JETS 1/32"	15 14 14
SER. NO.	RK006
DEPTH OUT	5350
DEPTH IN	4750
TOTAL FTG.	410
TOTAL HRS. RUN	84
COND. 1/8's T/B/ GAGE	R W I
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0800	1200	2400
WEIGHT	10.1+	10.2	10.2
PRESSURE GRADIENT			
VISC.-SEC.	47	44	50
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH	10.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PAR-EL-P COM-DC
6222	6260	D		SH	40	45	1400	6 3/4	50	6 1/4	0	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	1600	8		DRLG 12 1/4

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
100	STANDS DP	5850.00	FT.
1	SINGLES DP	1.97	FT.
	KELLY DOWN	20.11	FT.
	TOTAL	6292	FT.
WT. OF STRING		175000	LBS.

BIT RECORD

BIT NO.	2N
SIZE	12 1/4
MFG.	SMITH
TYPE	SDGH
JETS 1/32"	15 14 14
SER. NO.	RK006
DEPTH OUT	5350
DEPTH IN	4750
TOTAL FTG.	432
TOTAL HRS. RUN	92
COND. 1/8's T/B/ GAGE	R W I
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1600	2000	2400
WEIGHT	10.2	10.2	10.2
PRESSURE GRADIENT			
VISC.-SEC.	48	49	55
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH	10.0	10.5	10.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PAR-EL-P COM-DC
6260	6292	D		SH	50	45	1450	6 3/4	50	6 1/4		S
				SS & C.M.	50	45	1600	6 3/4	50	6 1/4	60	S
					50	45	1950	6 3/4	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8		

DRILLER

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C 23575

DAILY DRILLING REPORT

REPORT NO. 93

LEASE	WELL NO.	API WELL NUMBER	DATE
[illegible] MUNSON	A-4	A-55-Lo-30-123-M45	05-22-74

OPERATOR	CONTRACTOR	RIG NO.
[illegible]	LOFFLAND BROTHERS COMPANY	12

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Luelle

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	[illegible]	1	1	[illegible]	D-700	16
						2	[illegible]	D-70	16

LEGAL LAND DESCRIPTION: [illegible] MUNSON A-55

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						2503

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	8	7
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			1
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD: 93

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

HORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	[illegible]	FT.
1	[illegible]	29.62	
2	STB RMR OD	[illegible]	FT.
1	D.C. ID OD	2.56	FT.
4	STB RMR OD	114.78	FT.
1	D.C. ID OD	1.46	FT.
4	STB RMR OD	114.11	FT.
1	C/O	1.51	
9	[illegible]	256.52	
1	C/O	2.50	
58	STANDS DP	5392.21	FT.
2	SINGLES DP	362.84	FT.
	KELLY DOWN	38.81	FT.
	TOTAL	6112	FT.
WT. OF STRING		174,000	LBS.

BIT RECORD

BIT NO.	24	
SIZE	12¼	
MFG.	Smith	
TYPE	FDGH	
JETS 1/32"	16 16 16	
SER. NO.	[illegible]	
DEPTH OUT		
DEPTH IN	5950	
TOTAL FTG.	262	
TOTAL HRS. RUN	53	
COND. 1/8's T/B/ GAGE	RUN	
GPM/ PD–PSI	/	/

MUD RECORD

TIME	0001	0300	0600
WEIGHT	11.3+	11.3	11.3
PRESSURE GRADIENT			
VISC.–SEC.	57	55	56
PV/YP	/	/	/
GELS.	/	/	/
WL.–CC'S.			
pH	10.0	10.0	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
K-PEL-G	150#		
H2O	4BBLS		

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PART'L–P COMP'L–C
6073	6112	39			50	45	1900	6¾	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		DRILLING

DRILLER: [illegible]

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	[illegible]	FT.
		[illegible]	
	STB RMR OD	[illegible]	FT.
1	D.C. ID OD	[illegible]	FT.
	STB RMR OD	[illegible]	FT.
1	D.C. ID OD	[illegible]	FT.
	STB RMR OD	[illegible]	FT.
		[illegible]	
		[illegible]	
1		[illegible]	
5	STANDS DP	[illegible]	FT.
1	SINGLES DP	[illegible]	FT.
	KELLY DOWN	13.60	FT.
	TOTAL	[illegible]	FT.
WT. OF STRING		[illegible]	LBS.

BIT RECORD

BIT NO.	[illegible]	
SIZE	[illegible]	
MFG.	[illegible]	
TYPE	[illegible]	
JET 1/32"	[illegible]	
SER. NO.	[illegible]	
DEPTH OUT	[illegible]	
DEPTH IN	[illegible]	
TOTAL FTG.	270	
TOTAL HRS. RUN	6½	
COND. 1/8's T/B/ GAGE	[illegible]	
GPM/ PD–PSI	/	/

MUD RECORD

TIME	[illegible]	1200	1530
WEIGHT	[illegible]	[illegible]	[illegible]
PRESSURE GRADIENT	[illegible]	[illegible]	[illegible]
VISC.–SEC.	[illegible]	[illegible]	[illegible]
PV/YP	/	/	/
GELS.	/	/	/
WL.–CC'S.	[illegible]	[illegible]	[illegible]
pH	[illegible]	[illegible]	[illegible]
SOLIDS %	[illegible]	[illegible]	[illegible]

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
[illegible]			

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PART'L–P COMP'L–C
6112	6118	D			50	45	1900	6¾	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1100	5		

DRILLER: [illegible]

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	1	FT.
		[illegible]	
	STB RMR OD	[illegible]	FT.
	D.C. ID OD	[illegible]	FT.
	STB RMR OD	[illegible]	FT.
1	D.C. ID OD	.8	FT.
	STB RMR OD	[illegible]	FT.
		[illegible]	
		[illegible]	
		[illegible]	
	TOOLS	617.12	
57	STANDS DP	5496.91	FT.
2	SINGLES DP	121	FT.
	KELLY DOWN	13.60	FT.
	TOTAL	6187	FT.
WT. OF STRING		175,000	LBS.

BIT RECORD

BIT NO.	[illegible]	
SIZE	[illegible]	
MFG.	[illegible]	
TYPE	[illegible]	
JETS 1/32"	[illegible]	
SER. NO.	[illegible]	
DEPTH OUT	[illegible]	
DEPTH IN	[illegible]	
TOTAL FTG.	337	
TOTAL HRS. RUN	6½	
COND. 1/8's T/B/ GAGE	[illegible]	
GPM/ PD–PSI	/	/

MUD RECORD

TIME	[illegible]	[illegible]	[illegible]
WEIGHT	[illegible]	[illegible]	[illegible]
PRESSURE GRADIENT	[illegible]	[illegible]	[illegible]
VISC.–SEC.	[illegible]	[illegible]	[illegible]
PV/YP	/	/	/
GELS.	/	/	/
WL.–CC'S.	[illegible]	[illegible]	[illegible]
pH	[illegible]	[illegible]	[illegible]
SOLIDS %	[illegible]	[illegible]	[illegible]

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
[illegible]			

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PART'L–P COMP'L–C
6145	6187	D			50	45	1900	6¾	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6177	2°	S 32 W						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	2145	5¾		
2145	2245	1½		ENGLEMAN SURVEY & CORE @ 6177'
2245	2400	1¼		DRLG 12¼ HOLE

DRILLER: [illegible]

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
JUN 11 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

EDMONTON
NORTHERN AREA
MAY 30 1974

	AS			AAS	
/	AF-1	jmh		AAAS	
	AF-2			FMS	
	AE				
	RF				
2.	R. Hoodley				

File No.

ACTION REQUIRED
Assigned to:
Assignment No:
Date Answered:

C 23574

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.		TIME			0600
			SIZE		WEIGHT			11.2
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			50
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
			DEPTH IN		pH			10.0
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
	WT. OF STRING	LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.		TIME	0800	1100	1400
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
	WT. OF STRING	LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
	WT. OF STRING	LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23573

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Powell Ranch	A-14	43-037-16145	5-5-74
OPERATOR	**CONTRACTOR**		**RIG NO.**
Mobil Producing Texas & New Mexico Inc.	LOFFLAND BROTHERS COMPANY		42
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		
D. Lowe	Al Lawler		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.5#	E	6⅝	4½ IF	1	1	Emsco	D-165	16"
						2	Emsco	D-165	16"

LEGAL LAND DESCRIPTION: Powell Ranch A-14

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13⅜						1523

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6¾	6	11½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	¼		
6. TRIPS	1¼		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	12	4

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1523 FT.	BIT NO.	24	TIME	0900	1200	1500
1	8" DC	420	SIZE	12¼	WEIGHT	11.6	11.3	11.3+
1	STB RMR OD	12¼ FT.	MFG.	Smith	PRESSURE GRADIENT			
2	D.C. ID OD	8" FT.	TYPE	SDGH	VISC.–SEC.	50	49	54
1	STB RMR OD	12¼ FT.	JETS 1/32"	16 16 16	PV/YP	/	/	/
1	D.C. ID OD	8" FT.	SER. NO.	RX006	GELS.	/	/	/
1	STB RMR OD	12¼ FT.	DEPTH OUT		WL –CC'S.	/	/	/
1	4" HWDP	145	DEPTH IN	5560	pH	10.0	10.0	10.0
1	JARS	30.52	TOTAL FTG.	77	SOLIDS %			
1	DC	240	TOTAL HRS. RUN	14				
50	STANDS DP	5207.91 FT.	COND. 1/8's T.B. GAGE	2 2 1	MUD & CHEMICALS ADDED			
2	SINGLES DP	62.36 FT.	GPM/ PD–PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	41.92 FT.			K-Sil-G	150#		
	TOTAL	5817.00 FT.			WF Mat	3000#		
WT. OF STRING	170M	LBS.						

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1523 FT.	BIT NO.	24	TIME	0900	1200	1500
1	MONEL	30.60	SIZE	12¼	WEIGHT	11.3	11.3	11.3+
2	STB RMR OD	12¼ FT.	MFG.	Smith	PRESSURE GRADIENT			
1	D.C. ID OD	8" FT.	TYPE	SDGH	VISC.–SEC.	50	49	54
4	STB RMR OD	12¼ FT.	JET 1/32"	16 16 16	PV/YP	/	/	/
1	D.C. ID OD	8" FT.	SER. NO.	RX006	GELS.	/	/	/
1	STB RMR OD	12¼ FT.	DEPTH OUT		WL –CC'S.	/	/	/
1	DC	1.71	DEPTH IN	5560	pH	10.0	10.0	10.0
9	HWDP	280.52	TOTAL FTG.	77	SOLIDS %			
1	DC	2.50	TOTAL HRS. RUN	14				
50	STANDS DP	5207.91 FT.	COND. 1/8's T.B. GAGE	2 2 1	MUD & CHEMICALS ADDED			
2	SINGLES DP	62.36 FT.	GPM/ PD–PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	41.92 FT.			K-Sil-G	150#		
	TOTAL	5817.00 FT.			WF Mat	3000#		
WT. OF STRING	170M	LBS.						

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1523 FT.	BIT NO.	24	TIME	1600	1930	
1	DC	4.40	SIZE	12¼	WEIGHT	11.3+	16.1	
1	STB RMR OD	12¼ FT.	MFG.	Smith	PRESSURE GRADIENT			
1	D.C. ID OD	8" FT.	TYPE	SDGH	VISC.–SEC.	55	60	
1	STB RMR OD	12¼ FT.	JETS 1/32"	16 16 16	PV/YP	/	/	/
4	D.C. ID OD	8" FT.	SER. NO.	RX006	GELS.	/	/	/
1	STB RMR OD	12¼ FT.	DEPTH OUT		WL –CC'S.	/	/	/
4	4" HWDP	116.11	DEPTH IN	5560	pH	10.0	10.0	
1	JARS	30.52	TOTAL FTG.	113	SOLIDS %			
1	DC	30.92	TOTAL HRS. RUN	21				
50	STANDS DP	5207.91 FT.	COND. 1/8's T.B. GAGE	2 2 1	MUD & CHEMICALS ADDED			
1	SINGLES DP	31.36 FT.	GPM/ PD–PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	41.92 FT.						
	TOTAL	5313.00 FT.						
WT. OF STRING	170M	LBS.						

MORNING TOUR

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PARTL–P COMPL–C
5455	5560	D			50	45	1600	6¼	60			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0100	1 HR	6	Run in w/ BIT #24
0100	0300	2 HR	2	Drilling 12¼ Hole
0300	0345	¾ HR	5	Circ. for Gun on Mud System
0345	0600	5 ¼ HR	2	Drilling 12¼ Hole

DRILLER

DAY TOUR

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PARTL–P COMPL–C
5455	5927	D			50	45	1900	6¼	60	6¼		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1100	5 HR	2	Drilling 12¼ Hole
1100	1130	½ HR	8	Circ. & Survey
1130	1600	4½ HR	2	Drilling 12¼ Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PARTL–P COMPL–C
5927	6103	1			50	45	1900	6¼	60	6¼		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5910	3¼	S80W						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1645	¾	2	Drilling 12¼ Hole
1645	1730	¾	8	Circ. & Survey
1730	2400	6½	2	Drilling 12¼ Hole

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23572

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T.B. GAGE			
GPM/ PD-PSI			

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T.B. GAGE			
GPM/ PD-PSI			

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T.B. GAGE			
GPM/ PD-PSI			

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	FOOTAGE TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


JUN 6 1974
YELLOWKNIFE, N.W.T.

C 23571

DAILY DRILLING REPORT REPORT NO. 75

LEASE	WELL NO.	API WELL NUMBER	DATE
PENTED PUN	A-4	A-66-AC-30-10-45-W5-8824	
OPERATOR	CONTRACTOR		RIG NO.
MURPHY CANADA LTD	LOFFLAND BROTHERS COMPANY		42
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8	4H FH	1	1	EMSCO	D-360	16"
						2	EMSCO	D-360	16"

LEGAL LAND DESCRIPTION: PENTED MURPHY A-56

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8"						1503

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	7½	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		½	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	77		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1.00 FT.	BIT NO.	23	TIME	0001	0800	0800
1	8 DC 8"	448	SIZE	12¼	WEIGHT	9.0+	10.1	10.1
1	STB RMR OD	2.26 FT.	MFG.	H-W	PRESSURE GRADIENT			
1	D.C. ID OD	180 FT.	TYPE	XDV	VISC.-SEC.	50	53	52
1	STB RMR OD	2.26 FT.	JETS 1/32"	18 18 14	PV/YP	/	/	/
4	D.C. ID OD	118.70 FT.	SER. NO.	64051	GELS.	/	/	/
1	STB RMR OD	2.45 FT.	DEPTH OUT		WL.-CC'S.			
47	DC	1141	DEPTH IN	5143	pH	10.0	10.0	10.0
1		1.50	TOTAL FTG.	86	SOLIDS %			
1		2.50	TOTAL HRS. RUN	19¾				
54	STANDS DP	5036.44 FT.	COND. 1/8's T/B/ GAGE	8 8	MUD & CHEMICALS ADDED			
1	SINGLES DP	13.31 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	27.0 FT.			SODA ASH	200#		
	TOTAL	5220.44 FT.			WL-100	100#		
WT. OF STRING	146 000 LBS.							

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	4.00 FT.	BIT NO.	23	TIME	0800	1200	1430
1	8 DC 8"	448	SIZE	12¼	WEIGHT	11.1+	11.1+	11.1+
2	STB RMR OD	4.26 FT.	MFG.	H-W	PRESSURE GRADIENT			
1	D.C. ID OD	180 FT.	TYPE	XDV	VISC.-SEC.	55	53	55
1	STB RMR OD	2.26 FT.	JET 1/32"	18 18 14	PV/YP	/	/	/
4	D.C. ID OD	118.70 FT.	SER. NO.	64051	GELS.	/	/	/
1	STB RMR OD	2.45 FT.	DEPTH OUT		WL.-CC'S.			
47	DC	1141	DEPTH IN	5143	pH	10.0	10.0	10.0
1		1.50	TOTAL FTG.	86	SOLIDS %			
1		2.50	TOTAL HRS. RUN	19¾				
54	STANDS DP	5036.44 FT.	COND. 1/8's T/B/ GAGE	8 8	MUD & CHEMICALS ADDED			
1	SINGLES DP	13.31 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	27.0 FT.						
	TOTAL	5220.44 FT.						
WT. OF STRING	146 000 LBS.							

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	4.00 FT.	BIT NO.	23	TIME	1600	MOO	
		448	SIZE	12¼	WEIGHT	11.1+	11.1	
	STB RMR OD	4.26 FT.	MFG.	H-W	PRESSURE GRADIENT			
	D.C. ID OD	180 FT.	TYPE	XDV	VISC.-SEC.	54	51	
	STB RMR OD	2.26 FT.	JETS 1/32"	18 18 14	PV/YP	/	/	/
	D.C. ID OD	118.70 FT.	SER. NO.	64051	GELS.	/	/	/
	STB RMR OD	2.45 FT.	DEPTH OUT		WL.-CC'S.			
		1141	DEPTH IN	5143	pH	10.0	9.5	
		1.50	TOTAL FTG.	129	SOLIDS %			
		2.50	TOTAL HRS. RUN	24¾				
	STANDS DP	5036.44 FT.	COND. 1/8's T/B/ GAGE	8 8	MUD & CHEMICALS ADDED			
	SINGLES DP	13.31 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	27.0 FT.			X-FEL-B	300/12		
	TOTAL	5220.44 FT.						
WT. OF STRING	146 000 LBS.							

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
5495	5729				50	45	1800	6¾	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8	2	DRILLING 12¼ HOLE

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL.-S PARL.-P COM.-C
5729	5957	28			50	45	1800	6¾	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5735	3½	S 33 W						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1200	4	2	DRILLING 12¼ HOLE
1200	1230	½	8	CHECKMAN SURVEY
1230	1600	3½	2	DRILLING 12¼ HOLE

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
5957	5321	3			50	45	1800	6¾	50	6¼		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8	2	DRILLING 12¼ HOLE

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23570

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER							

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
JETS 1/32"		
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HRS. RUN		
COND. 1/8's T.B. GAGE		
GPM/ PD-PSI		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			
TOTAL HRS. RUN			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARL-P COM-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
JET 1/32"		
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HRS. RUN		
COND. 1/8's T.B. GAGE		
GPM/ PD-PSI		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			
TOTAL HRS. RUN			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARL-P COM-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.		
SIZE		
MFG.		
TYPE		
JETS 1/32"		
SER. NO.		
DEPTH OUT		
DEPTH IN		
TOTAL FTG.		
TOTAL HRS. RUN		
COND. 1/8's T.B. GAGE		
GPM/ PD-PSI		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			
TOTAL HRS. RUN			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARL-P COM-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23569

DAILY DRILLING REPORT REPORT NO. 14

LEASE	WELL NO.	API WELL NUMBER	DATE
Fenton M.U.	A-4	A-35-4 30-025-[illegible]45	5-16-74
OPERATOR		CONTRACTOR	RIG NO.
Amoco Chemical LTD		LOFFLAND BROTHERS COMPANY	12
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
[illegible] Hutchison		Al Lunsford	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.5#	E	6 1/4"	4 1/2 IF	1	1	Emsco	D-360	16"
						2	Emsco	D-360	16"

LEGAL LAND DESCRIPTION Fenton Morton A-35

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8"						2503

WIRE LINE RECORD REEL NO.

SIZE 1 3/8 NO. LINES 10 FT. SLIPPED

FT. CUT OFF PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	5	7 1/2	11
3. REAMING			1/2
4. CORING			
5. CONDITION MUD & CIRCULATE			1/2
6. TRIPS		1/2	1 1/2
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	5	8	11

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 14

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12 1/4	1.00 FT.	BIT NO.	22	TIME	0001	0400	0800
1	Bit Sub	4.10	SIZE	12 1/4	WEIGHT	11.3	11.3	11.3
1	STB RMR OD	2.56 FT.	MFG.	Smith	PRESSURE GRADIENT			
1	D.C. ID OD	6.29 FT.	TYPE	SVH	VISC.-SEC.	45	44	45
1	STB RMR OD	2.61 FT.	JETS 1/32"	14 14 14	PV/YP	/	/	/
4	D.C. ID OD	114.76 FT.	SER. NO.	RR541	GELS.	/	/	/
1	STB RMR OD	1.43 FT.	DEPTH OUT		WL.-CC'S.			
4	D.C. ID OD	114.41 FT.	DEPTH IN	5304	pH	10.5	10.5	10.5
1	Drlg Jar	32.52	TOTAL FTG.	291	SOLIDS %			
1	X/O	1.55	TOTAL HRS. RUN	5 1/2				
53	STANDS DP	4922.97 FT.	COND. 1/8's T/B/ GAGE	R 1 1/16	MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	38.00 FT.			Ex-Zal	2		
	TOTAL	5098.50 FT.						
WT. OF STRING	115000	LBS.						

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12 1/4 Smith	4.10 FT.	BIT NO.	22	TIME	0800	1200	1400
1	Monel	29.46	SIZE	12 1/4	WEIGHT	11.2	11.2	11.2
9	STB RMR OD	12.07 FT.	MFG.	Smith	PRESSURE GRADIENT	.580	.580	.560
1	D.C. ID OD	2.86 FT.	TYPE	SVH	VISC.-SEC.	51	50	50
4	STB RMR OD	114.70 FT.	JET 1/32"	14 14 14	PV/YP	/	/	/
1	D.C. ID OD	1.43 FT.	SER. NO.	RR541	GELS.	/	/	/
4	STB RMR OD	114.61 FT.	DEPTH OUT		WL.-CC'S.			
1	Sub	1.71	DEPTH IN	5304	pH	9.5	9.5	9.0
9	D.C.	258.52	TOTAL FTG.	305	SOLIDS %			
1	Sub	2.50	TOTAL HRS. RUN	7 3/4				
53	STANDS DP	4922.97 FT.	COND. 1/8's T/B/ GAGE	R 1 1/16	MUD & CHEMICALS ADDED			
1	SINGLES DP	31.32 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	32.69 FT.			QUIKTIC	2 SXS		
	TOTAL	5169.00 FT.						
WT. OF STRING	115000	LBS.						

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12 1/4	1.00 FT.	BIT NO.	22	TIME	1700		
1		4.10	SIZE	12 1/4	WEIGHT	11.2		
1	STB RMR OD	12.07 FT.	MFG.	Smith	PRESSURE GRADIENT			
1	D.C. ID OD	2.86 FT.	TYPE	SVH	VISC.-SEC.	54		
1	STB RMR OD	2.61 FT.	JETS 1/32"	14 14 14	PV/YP	/	/	/
4	D.C. ID OD	114.76 FT.	SER. NO.	RR541	GELS.	/	/	/
1	STB RMR OD	1.43 FT.	DEPTH OUT		WL.-CC'S.			
4	D.C. ID OD	114.41 FT.	DEPTH IN	5304	pH	9.0		
1	Drlg Jar	32.52	TOTAL FTG.	305	SOLIDS %			
1	X/O	1.55	TOTAL HRS. RUN	7 3/4				
53	STANDS DP	4922.97 FT.	COND. 1/8's T/B/ GAGE	R 1 1/16	MUD & CHEMICALS ADDED			
1	SINGLES DP	31.32 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	32.69 FT.			WL-100	15x		
	TOTAL	5169.00 FT.						
WT. OF STRING	115000	LBS.						

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARAL.-P COM.-C.
5533	5595	D			60	45	1150			6 1/4	60	S
					50	45	1150	6 1/4	50			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8	2	Drilling 12 1/4 Hole

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL.-S PARAL.-P COM.-C.
5595	5629	34'			50	46	1960	6 1/2	50	6 1/4		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1130	7 1/2	2	Drilling 12 1/4 Hole
1130	1600	4 1/2	5	Circulate Trip for Bit

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARAL.-P COM.-C.
5629	5687	D			50	46	1960	6 1/2	50	6 1/4		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1730	1 1/2	6	Finish Trip for Bit
1730	1745	1/4	2	Drilling 12 1/4 Hole
1745	1750	1/4	5	Circ Out Trip Gas
1750	1800	1/2	2	Drilling 12 1/4 Hole

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23568

DAILY DRILLING REPORT

REPORT NO. 94

LEASE	WELL NO.	API WELL NUMBER	DATE
Powell M & W	6-4	8-55-10-30-112-145	5-25-94

OPERATOR	CONTRACTOR	RIG NO.
Bruce Simpson Exp	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Fred Spencer	P. Loveless

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 7/8	4 1/2 IF	1	1	Emsco	D-660	16
						2	Emsco	D-660	16

LEGAL LAND DESCRIPTION: Powell Mesa Unit #5

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						2503

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6½	7½	5
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	1½		
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		½	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD: 94

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1.00 FT.	BIT NO.	22	TIME	0900	1100	1400
1	Bit Sub	4.15	SIZE	12¼	WEIGHT	11.5	11.2	11.2
1	STB RMR OD	21.66 FT.	MFG.	Smith	PRESSURE GRADIENT			
3	D.C. ID OD	62.07 FT.	TYPE	SVH	VISC.–SEC.	56	55	53
1	STB RMR OD	2.59 FT.	JETS 1/32"	14 14 14	PV/YP	/	/	/
4	D.C. ID OD	124.76 FT.	SER. NO.	RR506	GELS	/	/	/
1	STB RMR OD	1.45 FT.	DEPTH OUT		WL –CC'S			
7	T Subs	14.61	DEPTH IN	5304	pH	9.5	9.5	9.5
8	HWDP	246.32	TOTAL FTG.	156	SOLIDS %			
1	Jar	9.36	TOTAL HRS. RUN	28½				
1		2.50	COND. 1/8's T.B. GAGE	1 1 1	MUD & CHEMICALS ADDED			
51	STANDS DP	4774.28 FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE	AMT.
1	SINGLES DP	17.21 FT.						
	KELLY DOWN	40.00 FT.						
	TOTAL	5146.22 FT.						
WT. OF STRING	144,000 LBS.							

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S DUP.–D PARL.–P COMP.–C
5145	5160	D			50	45	1450	6¼	50			S
					50	45	1450			6¼	50	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0315	3¼	2	Drlg 12¼ hole
0315	0445	1½	5	Circ for trip. Pull 8 std wiper trip
0445	0800	3¼	2	Drlg 12¼ hole

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1.00 FT.	BIT NO.	22	TIME	0900	1100	1400
1	Bit Sub	4.15	SIZE	12¼	WEIGHT	11.5	11.2	11.2
1	STB RMR OD	21.66 FT.	MFG.	Smith	PRESSURE GRADIENT			
3	D.C. ID OD	62.07 FT.	TYPE	SVH	VISC.–SEC.	51	52	53
1	STB RMR OD	2.59 FT.	JET 1/32"	14 14 14	PV/YP	/	/	/
4	D.C. ID OD	124.76 FT.	SER. NO.	RR506	GELS	/	/	/
1	STB RMR OD	1.45 FT.	DEPTH OUT		WL –CC'S			
7	T Subs	14.61	DEPTH IN	5304	pH	9.0	9.5	10.0
8	HWDP	246.32	TOTAL FTG.	192	SOLIDS %			
1	Jar	9.36	TOTAL HRS. RUN	36				
1		2.50	COND. 1/8's T.B. GAGE	1 1 1	MUD & CHEMICALS ADDED			
52	STANDS DP	4834.87 FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE	AMT.
1	SINGLES DP	9.00 FT.			X-AL-G	3 SXS		
	KELLY DOWN	12.21 FT.			CAUSTIC	1 SX		
	TOTAL	5146.22 FT.						
WT. OF STRING	144,000 LBS.							

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.–S DUP.–D PARL.–P COMP.–C
5146	5496	20		1	50	45	1450	6¼	50	6¼		S
				2								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
5476	2	S 10 W						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	1515	7¼		DRLG 12¼ HOLE
1515	1545	1½		CIRC FOR SURVEY
1545	1600	¼		DRLG 12¼ HOLE

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1.00 FT.	BIT NO.	22	TIME	1600		
1	Bit Sub	4.15	SIZE	12¼	WEIGHT	11.2		
1	STB RMR OD	21.66 FT.	MFG.	Smith	PRESSURE GRADIENT			
3	D.C. ID OD	62.07 FT.	TYPE	SVH	VISC.–SEC.	53		
1	STB RMR OD	2.59 FT.	JETS 1/32"	14 14 14	PV/YP	/		
4	D.C. ID OD	124.76 FT.	SER. NO.	RR506	GELS	/		
1	STB RMR OD	1.45 FT.	DEPTH OUT		WL –CC'S			
7	T Subs	14.61	DEPTH IN	5304	pH	10.0		
8	HWDP	246.32	TOTAL FTG.	229	SOLIDS %			
1	Jar	9.36	TOTAL HRS. RUN	41				
1		2.50	COND. 1/8's T.B. GAGE	1 1 1	MUD & CHEMICALS ADDED			
53	STANDS DP	4959.87 FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE	AMT.
1	SINGLES DP	9.00 FT.						
	KELLY DOWN	12.21 FT.						
	TOTAL	5317.22 FT.						
WT. OF STRING	145,000 LBS.							

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S DUP.–D PARL.–P COMP.–C
5496	5533	D			50	45	1450	6¼	50	6¼		S
					50	45	1450			6¼	50	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8	2	

DRILLER

Form 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23567

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
	A-4	A-35-20-30-123-20-40	9-16-74

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1			
						2			

LEGAL LAND DESCRIPTION

WIRE LINE RECORD — REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD: SIZE | NO. LINES | FT. SLIPPED; FT. CUT OFF | PRESENT LENGTH; TON MI. OR TRIPS SINCE LAST CUT; CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	25		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.	22	TIME	2200	0400	0800	
1			SIZE	12¼	WEIGHT	10.2	10.3	10.3	
	STB RMR OD	FT.	MFG.	SMITH	PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE	DT	VISC.-SEC.	50	50	50	
	STB RMR OD	FT.	JETS 1/32"	14 14 14	PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.	PB6	GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
1			DEPTH IN	4797	pH	10.0	10.0		
1			TOTAL FTG.	36	SOLIDS %				
1			TOTAL HRS. RUN	2					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	1 1 0	MUD & CHEMICALS ADDED				
2	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.	22	TIME	1600	2400	0800	
1			SIZE	12¼	WEIGHT	10.3	10.4+	10.5	
	STB RMR OD	FT.	MFG.	SMITH	PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE	DT	VISC.-SEC.	53	54	54	
	STB RMR OD	FT.	JET 1/32"	14 14 14	PV/YP	/	20/16	/	
	D.C. ID OD	FT.	SER. NO.	PB6	GELS.	/	4/4	/	
	STB RMR OD	FT.	DEPTH OUT	5304	WL.-CC'S.		6.4	6.4	
1			DEPTH IN	4797	pH	10.0	10.5	10.5	
1			TOTAL FTG.	507	SOLIDS %		10		
1			TOTAL HRS. RUN	14.5					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	2 1 0	MUD & CHEMICALS ADDED				
2	SINGLES DP	FT.	GPM/ PD-PSI	170	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.	22	TIME	1700	1900	2200	
1			SIZE	12¼	WEIGHT	11.2+	11.2	11.2	
	STB RMR OD	FT.	MFG.	SMITH	PRESSURE GRADIENT		582	580	
	D.C. ID OD	FT.	TYPE	DT	VISC.-SEC.	53	47	54	
	STB RMR OD	FT.	JETS 1/32"	14 14 14	PV/YP	/	18/12	/	
	D.C. ID OD	FT.	SER. NO.	PB6	GELS.	/	4/4	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		9.4	9.4	
1			DEPTH IN	5304	pH	9.5	9.5	10.0	
1			TOTAL FTG.	121	SOLIDS %		15		
1			TOTAL HRS. RUN	9.2					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	2 1 0	MUD & CHEMICALS ADDED				
1	SINGLES DP	FT.	GPM/ PD-PSI	170	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.			GEL	10 SXS			
	TOTAL	FT.			GELEX	2 SXS			
WT. OF STRING		LBS.			CAUST/C	1 SX			

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L-P COM'D-C
5304	5330	D		SD	50	4	1400	6¼	120	6¼	120	S
5330	5340	D		SH	50	4.5	1450	6¼	120			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0130	1½		Rig up Swivel, Pump, Lines, Pits
0130	0900	5½		Drlg 5304-5330

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR'L-P COM'D-C
5340	5395	D		SH	50	4.5	1450	6¼	120	5½		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	1400	5	2	Drlg 5330-5340 Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L-P COM'D-C
5425	5485	D		SH	50	4.5	1350	6¼	120	6¼	120	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	6395	1¼	S28E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1400	1715	3¼		Drlg 5340-5395 Hole
1715	1745	½		Rig & Svy
1745	2400	6¼		Drlg 5395-5485 Hole

DRILLER


JUN 6 1974
YELLOWKNIFE, N.W.T.

C 23566

DAILY DRILLING REPORT

REPORT NO. 24

LEASE	WELL NO.	API WELL NUMBER	DATE
Pardue Johnson	A-4	42-165-60-30-122-00	6-1-74

OPERATOR	CONTRACTOR	RIG NO.
Pardue Johnson Corp.	LOFFLAND BROTHERS COMPANY	2

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A. Fisher

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	XH	1	1	Emsco	D-375	12
						2	Emsco	D-375	12

LEGAL LAND DESCRIPTION: Pardue Johnson 3-65

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						1,000

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	14½	2½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			6½
7. LUBRICATE RIG		½	
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		1½	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
			3
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	16	7

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	74
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	12¼ FT.	BIT NO.	21	TIME	0400	0500
1		9 5/8	SIZE	9 5/8	WEIGHT	9.2	9.2
	STB RMR OD	12 FT.	MFG.	Hyc	PRESSURE GRADIENT		
	D.C. ID OD	9 FT.	TYPE	44F	VISC.-SEC.	50	50
	STB RMR OD	30 FT.	JETS 1/32"	10 10 10	PV/YP	/	/
	D.C. ID OD	90 FT.	SER. NO.	RR1285	GELS.	/	/
	STB RMR OD	30 FT.	DEPTH OUT	5240	WL.-CC'S.		
1		131	DEPTH IN	5240	pH	10.0	10.0
1		1052	TOTAL FTG.	51	SOLIDS %		
1		2.50	TOTAL HRS. RUN	2.75			
47	STANDS DP	4414 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	62 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	31.60 FT.			Gel	10	
	TOTAL	5276 FT.			Lime	2	
WT. OF STRING		115000 LBS.			Starch	2	

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	12¼ FT.	BIT NO.	21	TIME	1300	1400
1		9 5/8	SIZE	9 5/8	WEIGHT	9.3	9.3
	STB RMR OD	12 FT.	MFG.	Hyc	PRESSURE GRADIENT		
	D.C. ID OD	90 FT.	TYPE	44F	VISC.-SEC.	50	51
	STB RMR OD	30 FT.	JET 1/32"	10 10 10	PV/YP	/	/
	D.C. ID OD	90 FT.	SER. NO.	RR1285	GELS.	/	/
	STB RMR OD	30 FT.	DEPTH OUT	5240	WL.-CC'S.		
1		131	DEPTH IN	5240	pH	10.0	10.0
1		1052	TOTAL FTG.	51	SOLIDS %		
1		2.50	TOTAL HRS. RUN	2.75			
47	STANDS DP	4414 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	62 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	31.60 FT.			Gel	10	
	TOTAL	5276 FT.			Lime	2	
WT. OF STRING		115000 LBS.			Starch	2	

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARL-P COM-D-C
5210	5241	D		M	60	45	1200	6¼		6¼	62	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1001	0400	3		

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	12¼ FT.	BIT NO.	21	TIME	0500	1300
1		9 5/8	SIZE	9 5/8	WEIGHT	9.2	9.3
	STB RMR OD	12 FT.	MFG.	Hyc	PRESSURE GRADIENT		
	D.C. ID OD	90 FT.	TYPE	44F	VISC.-SEC.	50	50
	STB RMR OD	30 FT.	JET 1/32"	10 10 10	PV/YP	/	/
	D.C. ID OD	90 FT.	SER. NO.	RR1285	GELS.	/	/
	STB RMR OD	30 FT.	DEPTH OUT	5240	WL.-CC'S.		
1		131	DEPTH IN	5240	pH	10.0	10.0
1		1052	TOTAL FTG.	51	SOLIDS %		
1		2.50	TOTAL HRS. RUN	2.75			
47	STANDS DP	4414 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	62 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	31.60 FT.			Gel	10	
	TOTAL	5276 FT.			Lime	2	
WT. OF STRING		115000 LBS.			Starch	2	

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARL-P COM-D-C
5291	5362	D		M	50	45	1200	6¼		6¼	62	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	0515	¼	7	Service Swivel & Kelly Bushings
0515	0530	¼	15	Check BOPE Hydril & Pipe Rams
0530	0700	1½	2	Drilling new hole

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	12¼ FT.	BIT NO.	21	TIME	1300	1400
1		9 5/8	SIZE	9 5/8	WEIGHT	9.3	9.3
	STB RMR OD	12 FT.	MFG.	Hyc	PRESSURE GRADIENT		
	D.C. ID OD	90 FT.	TYPE	44F	VISC.-SEC.	50	51
	STB RMR OD	30 FT.	JETS 1/32"	10 10 10	PV/YP	/	/
	D.C. ID OD	90 FT.	SER. NO.	RR1285	GELS.	/	/
	STB RMR OD	30 FT.	DEPTH OUT	5240	WL.-CC'S.		
1		131	DEPTH IN	5240	pH	10.0	10.0
1		1052	TOTAL FTG.	51	SOLIDS %		
1		2.50	TOTAL HRS. RUN	2.75			
47	STANDS DP	4414 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	62 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	31.60 FT.			Gel	10	
	TOTAL	5276 FT.			Lime	2	
WT. OF STRING		115000 LBS.			Starch	2	

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PARL-P COM-D-C
5302	5304	D		M	50	45	1200	6¼		6¼	62	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1300	1515	2½	2	Drilling new hole
1515	1530	¼	5	Slug Pipe & POOH for BHA
1530	2300	7½		Pick up Bit #2 RIH Drill out Cement & Plug & Drill new hole
2300	2330	½	7	Service Swivel & Kelly Bushings
2330				Drilling

DRILLER

FORM 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN
DEVELOPMENT
CONSERVATION ENGINEER
MAY 24 1974
YELLOWKNIFE, N.W.T.

100

C 23565

DAILY DRILLING REPORT

REPORT NO. 73

LEASE	WELL NO.	API WELL NUMBER	DATE
Powell Unit	A-4	43-65-10-30-123-0-42	2-22-74
OPERATOR	**CONTRACTOR**		**RIG NO.**
Mesa Petroleum Co.	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		
J. Coleman	L. A. Kight		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4	16.60	E	6 3/8	XH	1	1	Emsco	D-360	12
						2	Emsco	D-360	12

LEGAL LAND DESCRIPTION: Lot 4 Sec 30 T41S R25E

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						2403

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	3 1/2	5	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	4		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.	7 1/2		
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	10	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD: 73

CUMULATIVE ROTATING HRS.:

TOTAL MUD COST:

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	FT.	BIT NO.	21	TIME		0400
1		FT.	SIZE	12 1/4	WEIGHT		11.4
	STB RMR OD	FT.	MFG.	Hyc	PRESSURE GRADIENT		
1	D.C. ID OD	FT.	TYPE	X44	VISC.-SEC.		46
1	STB RMR OD	FT.	JETS 1 32"	14 14 14	PV/YP	/	/
1	D.C. ID OD	FT.	SER. NO.	R11293	GELS.	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
1			DEPTH IN	5240	pH		11.5
1			TOTAL FTG.	42	SOLIDS %		
			TOTAL HRS. RUN	3 1/2			
44	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
1	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12 1/4	FT.	BIT NO.	21	TIME	1245	1500
1		FT.	SIZE	12 1/4	WEIGHT	11.2	11.2
	STB RMR OD	FT.	MFG.	Hyc	PRESSURE GRADIENT	.582	.582
1	D.C. ID OD	FT.	TYPE	X44	VISC.-SEC.	52	50
1	STB RMR OD	FT.	JET 1/32"	14 14 14	PV/YP	21/10	19/9
1	D.C. ID OD	FT.	SER. NO.	R11293	GELS.	5/8	5/8
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	8.4	7.8
1			DEPTH IN	5240	pH	9.5	9.5
1			TOTAL FTG.	30	SOLIDS %	15	15
			TOTAL HRS. RUN	4 1/2		Sand%	.60
44	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
1	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.			Caustic	50	Lime 100
	TOTAL	FT.			Caustic	25	Lime 100
WT. OF STRING		LBS.					

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	FT.	BIT NO.	21	TIME	1100	0300
1		FT.	SIZE	12 1/4	WEIGHT	11.3	11.3
	STB RMR OD	FT.	MFG.	Hyc	PRESSURE GRADIENT		
1	D.C. ID OD	FT.	TYPE	X44	VISC.-SEC.	50	45
1	STB RMR OD	FT.	JETS 1/32"	14 14 14	PV/YP	/	/
1	D.C. ID OD	FT.	SER. NO.	R11293	GELS.	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
1			DEPTH IN	5240	pH	10.5	10.0
1			TOTAL FTG.	60	SOLIDS %		
			TOTAL HRS. RUN	7 1/2			
44	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
1	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L–P COM'D–C
5240		D										
5240	5242	C		12	60	45	1700					
				Sh-Lm-Ss-Brn-Gry-Wht-Grn-Blk-Carb-Fos-Pyr-Glau-Ool-Pel-Frac-Vug-Por-Stn-Odor-Fluor-Cut								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0200	2		Finish cut off drlg line - 210
0200	0245	4 1/2		Circ hole & mix Sweep. Drop Surv.
0245	0445	2		Run Surv.
0445	0500	3/4		Blow down kelly.

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L–P COM'D–C
5250	5270	D			60	45	1700	6 3/4		6 1/4		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	1100	6	2	Drilling 12¼ Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L–P COM'D–C
5270	5290	D			60	45	1700			6 1/4		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	2400	13	2	Drilling 12¼ Hole

DRILLER

FORM 3T6

APPROVED

APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23564

DAILY DRILLING REPORT

REPORT NO. 72

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	72
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT	FT.	BIT NO.	20	TIME	0900
			SIZE	7 7/8	WEIGHT	10.3
2	STB RMR OD	FT.	MFG.	HTC	PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE	J-22	VISC.–SEC.	43
	STB RMR OD	FT.	JETS 1/32"	14 14	PV/YP	/
	D.C. ID OD	FT.	SER. NO.	5KD	GELS.	/
	STB RMR OD	FT.	DEPTH OUT	5197	WL –CC'S.	
			DEPTH IN	5025	pH	12.5
			TOTAL FTG.	172	SOLIDS %	2.5
			TOTAL HRS. RUN	6 3/4		
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT	FT.	BIT NO.	20	TIME	1300
			SIZE	7 7/8	WEIGHT	11.3
2	STB RMR OD	FT.	MFG.	HTC	PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE	J-22	VISC.–SEC.	46
	STB RMR OD	FT.	JET 1/32"	14 14	PV/YP	/
	D.C. ID OD	FT.	SER. NO.	5KD	GELS.	/
	STB RMR OD	FT.	DEPTH OUT	5197	WL –CC'S.	
			DEPTH IN	5025	pH	12.5
			TOTAL FTG.	172	SOLIDS %	2.5
			TOTAL HRS. RUN	6 3/4		
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT	FT.	BIT NO.	20	TIME	1800
			SIZE	7 7/8	WEIGHT	11.3
2	STB RMR OD	FT.	MFG.	HTC	PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE	J-22	VISC.–SEC.	46
	STB RMR OD	FT.	JETS 1/32"	14 14	PV/YP	/
	D.C. ID OD	FT.	SER. NO.	5KD	GELS.	/
	STB RMR OD	FT.	DEPTH OUT	5197	WL –CC'S.	
			DEPTH IN	5025	pH	12.5
			TOTAL FTG.	172	SOLIDS %	2.5
			TOTAL HRS. RUN	6 3/4		
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'EL–P COM'D–C
5187	5209	D			50	45	1100	7 3/8	60	6 1/2		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5115								

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0730	1 1/2	2	Drlg 5187–5209
0730	1100	3 1/2	5	Circ & Cond Mud for Trip
1100	1130	1/2	6	Short Trip 10 Stds
1130	1230	1	5	Circ & Cond Mud for Trip
1230	1800	5 1/2	6	Trip for Bit

C 23563

DAILY DRILLING REPORT

REPORT NO. 71

LEASE	WELL NO.	API WELL NUMBER	DATE
Lawton Plowman	A-4	42-452-30-122-00-00	5-8-74

OPERATOR	CONTRACTOR	RIG NO.
Cabot Corporation	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	L. A. Loffland

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3 1/2	13.30	E	4 1/2	NC38	1	1	Emsco	D-375	7
						2	Emsco	D-375	7

LEGAL LAND DESCRIPTION: Sec 20 Block 2 H&GN RR Co Survey

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8						503

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/2	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7 3/4	13 1/4	3
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		1 3/4	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	1/4		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	15	1

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD: 71

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	12 1/4 FT.	BIT NO.	20	TIME	0200	0900	0630
1		4.40	SIZE	12 1/4	WEIGHT	10.1	10.1	10.1
	STB RMR OD	6.07 FT.	MFG.	Smith	PRESSURE GRADIENT			
1	D.C. ID OD	2.14 FT.	TYPE	F-2	VISC.-SEC.	50	49	49
4	STB RMR OD	14.20 FT.	JETS 1/32"	16-16-16	PV/YP	/	/	/
1	D.C. ID OD	1.45 FT.	SER. NO.	7-272	GELS.	/	/	/
3	STB RMR OD	91.73 FT.	DEPTH OUT	5137	WL.-CC'S.			
		1.71	DEPTH IN	5032	pH	7.5	9.2	9.5
1		30.42	TOTAL FTG.	105	SOLIDS %			
1			TOTAL HRS. RUN	33 3/4				
44	STANDS DP	4945.41 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	37.30 FT.			Kelco	25		
	TOTAL	5143.00 FT.						
WT. OF STRING	111000	LBS.						

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	12 1/4 FT.	BIT NO.	20	TIME	1800	1800	1800
		4.40	SIZE	12 1/4	WEIGHT	10.2	10.2	10.2
	STB RMR OD	6.07 FT.	MFG.	Smith	PRESSURE GRADIENT			
	D.C. ID OD	2.14 FT.	TYPE	F-2	VISC.-SEC.	48	47	47
	STB RMR OD	14.20 FT.	JET 1/32"	16-16-16	PV/YP	/	/	/
	D.C. ID OD	1.45 FT.	SER. NO.	7-272	GELS.	/	/	/
	STB RMR OD	91.73 FT.	DEPTH OUT	5137	WL.-CC'S.			
		1.71	DEPTH IN	5032	pH	7.5	9.2	9.5
		30.42	TOTAL FTG.	105	SOLIDS %			
			TOTAL HRS. RUN	33 3/4				
	STANDS DP	4945.41 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	37.30 FT.			Kelco	25		
	TOTAL	5143.00 FT.						
WT. OF STRING	111000	LBS.						

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.	20	TIME	1800	2400	0200
		4.40	SIZE	12 1/4	WEIGHT	10.2	10.2	10.2
	STB RMR OD	6.07 FT.	MFG.	Smith	PRESSURE GRADIENT			
	D.C. ID OD	2.14 FT.	TYPE	F-2	VISC.-SEC.	47	47	47
	STB RMR OD	14.20 FT.	JETS 1/32"	16-16-16	PV/YP	/	/	/
	D.C. ID OD	1.45 FT.	SER. NO.	7-272	GELS.	/	/	/
	STB RMR OD	91.73 FT.	DEPTH OUT	5137	WL.-CC'S.			
		1.71	DEPTH IN	5032	pH	7.5	9.2	9.5
		30.42	TOTAL FTG.	105	SOLIDS %			
			TOTAL HRS. RUN	33 3/4				
	STANDS DP	4945.41 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	37.30 FT.			Kelco	25		
	TOTAL	5143.00 FT.						
WT. OF STRING	111000	LBS.						

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.D.C.
5115	5142	D		Sh	50	4-7	1200	6 1/2	50			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5100	2 1/2	S 31° E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0015	1/4		Rig Survey
0015	0900	7 3/4		Drlg 5115 to 5142

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.D.C.
5142	5165	D		Sh	50	4-5	1200	6 1/2	50			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	1030	1 1/2	2	Drlg 5142 to 5165
1030	1445	4 1/4	6	Work on Drlg Equip
1445	2000	5 1/4	2	Drlg 5165 to 5210

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.D.C.
5115	5137	D		Sh	50	4-5	1200	6 1/2	50			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	1945	1 3/4		Drlg 5165 to 5180 (Twist Off in Drill Pipe)
1945	2000	1/4		Circ
2000	2400	4		Wait on Fishing Tools

DRILLER

FORM 3T6

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23562

DAILY DRILLING REPORT

REPORT NO. 70

LEASE	WELL NO.	API WELL NUMBER	DATE
[illegible]	A-4	15-055-60022-00-01-00	5-1-74

OPERATOR	CONTRACTOR	RIG NO.
Hugoton Energy Corp.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	L. H. Fisher

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	H-90	1	1	Emsco	D-1000	12
						2	Emsco	D-700	12

LEGAL LAND DESCRIPTION [illegible]

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						2035

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/16	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	4	8	7½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	7½		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	FT.	BIT NO.	20	TIME	0500	
1			SIZE	11 3/4	WEIGHT	11.2	
2	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT	0900	
1	D.C. ID OD	FT.	TYPE	S42	VISC.-SEC.	45	
4	STB RMR OD	FT.	JETS 1/32"	14 14 14	PV/YP	/	/ /
1	D.C. ID OD	FT.	SER. NO.	RJ5672	GELS	/	/ /
5	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.		
1			DEPTH IN	5037	pH	10	
1			TOTAL FTG.	44	SOLIDS %		
1			TOTAL HRS. RUN	15¾			
			COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
1	STANDS DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE AMT.
1	SINGLES DP	FT.					
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.	20	TIME	0500	1200	1500
1			SIZE	11 3/4	WEIGHT	11.2+	11.1	11.0
1	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	FT.	TYPE	S42	VISC.-SEC.	43	46	46
1	STB RMR OD	FT.	JET 1/32"	14 14 14	PV/YP	/	/	/
4	D.C. ID OD	FT.	SER. NO.	RJ5672	GELS	/	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
1			DEPTH IN	5037	pH	10	10	10
1			TOTAL FTG.	44	SOLIDS %			
1			TOTAL HRS. RUN	15¾				
			COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
1	STANDS DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
1	SINGLES DP	FT.						
	KELLY DOWN	FT.						
	TOTAL	FT.						
	WT. OF STRING	LBS.						

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.	20	TIME	1930	2030	2330
			SIZE	11 3/4	WEIGHT	11.1		
1	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT	.524	.0945	
1	D.C. ID OD	FT.	TYPE	S42	VISC.-SEC.	46		
1	STB RMR OD	FT.	JETS 1/32"	14 14 14	PV/YP	10 / 15	/	/
1	D.C. ID OD	FT.	SER. NO.	RJ5672	GELS	4 / 13	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.	9.2		
			DEPTH IN	5037	pH	9.5	9.5	9.5
1			TOTAL FTG.	79	SOLIDS %	15		
1			TOTAL HRS. RUN	3¼		Brine	8.7/10	
			COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
4	STANDS DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
1	SINGLES DP	FT.						
	KELLY DOWN	FT.						
	TOTAL	FT.						
	WT. OF STRING	LBS.						

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
5029	5031	D		22	50	4?	1100	6½	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0500	5		Drlg 5029-31

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PARL.-P COM.-C
5081	5099	D			50	46	1300	6½	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	1100	6	1	Drlg 5031-81

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
5099	5115				50	46	1100	6½				S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	2345	12½		Drlg 5081-5115 TD
2345	2400	½		Circ hole for logs

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23561

DAILY DRILLING REPORT

REPORT NO. 61

LEASE	WELL NO.	API WELL NUMBER	DATE
Parks Fed.	A-4	A-30-025-20125-0001	5-9-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	J. A. Tucker

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4	11.50	E	6 1/4	XH	1	1	Emsco	D-1000	18
						2	Emsco	D-500	12

LEGAL LAND DESCRIPTION: Sec 30 Twp 12S Rge 34E

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
7 5/8						5037

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
9/32	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	1 3/4	2	7 3/4
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		4 1/4	7 1/4
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	1/4	1/4	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		3/4	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER		1/4	
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	15	3

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	69		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
1	BIT 12 1/4	4.62	FT.
1	Smith	28.60	
2	STB RMR OD	8.07	FT.
1	D.C. ID OD	9.16	FT.
4	STB RMR OD	114.70	FT.
1	D.C. ID OD	9.05	FT.
5	STB RMR OD	141.73	FT.
1		4.71	
1		330.42	
1		2.28	
61	STANDS DP	4826.78	FT.
	SINGLES DP		FT.
	KELLY DOWN	15.98	FT.
	TOTAL	5493.00	FT.
WT. OF STRING	150,000		LBS.

BIT RECORD		
BIT NO.	12	
SIZE	12 1/4	
MFG.	Smith	
TYPE	F-3	
JETS 1/32"	14 14 14	
SER. NO.	PX1774	
DEPTH OUT		
DEPTH IN	4824	
TOTAL FTG.	669	
TOTAL HRS. RUN	7 1/2	
COND. 1/8's T. B. GAGE		
GPM/ PD–PSI		

MUD RECORD			
TIME	0100	0800	0900
WEIGHT	11.2	11.2	11.2
PRESSURE GRADIENT	0.582		
VISC.–SEC.	48		47
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	10	10.	10.
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
	7250		

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
1	BIT 12 1/4	1.00	FT.
1	Reed	25.60	
2	STB RMR OD	8.07	FT.
1	D.C. ID OD	9.50	FT.
4	STB RMR OD	114.70	FT.
1	D.C. ID OD	9.40	FT.
5	STB RMR OD	146.73	FT.
1		1.71	
1	6 5/8 REG	30.52	
1		9.52	
143	STANDS DP	4965.75	FT.
	SINGLES DP		FT.
	KELLY DOWN	39.50	FT.
	TOTAL	5337.21	FT.
WT. OF STRING	155,000		LBS.

BIT RECORD		
BIT NO.	12	20
SIZE	12 1/4	12 1/4
MFG.	Smith	Reed
TYPE	F-3	S43
JET 1/32"	14 14 14	14 14 14 14 14 14
SER. NO.	PX1774	P15022
DEPTH OUT	5037	
DEPTH IN	4824	5037
TOTAL FTG.	413	
TOTAL HRS. RUN	7 1/2	
COND. 1/8's T. B. GAGE	2 5 1	
GPM/ PD–PSI		

MUD RECORD			
TIME	0700		
WEIGHT	11.2+		
PRESSURE GRADIENT			
VISC.–SEC.	41		
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	10		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
1	BIT		FT.
1		2.60	
2	STB RMR OD	8.07	FT.
1	D.C. ID OD	9.16	FT.
4	STB RMR OD	114.70	FT.
1	D.C. ID OD	9.40	FT.
5	STB RMR OD	146.73	FT.
1		1.71	
1		330.42	
1		2.28	
47	STANDS DP	3305.78	FT.
1	SINGLES DP	30.77	FT.
	KELLY DOWN	11.21	FT.
	TOTAL	3893.00	FT.
WT. OF STRING	110,000		LBS.

BIT RECORD		
BIT NO.	20	
SIZE	12 1/4	
MFG.	Reed	
TYPE	S43	
JETS 1/32"	14 14 14	
SER. NO.	P15022	
DEPTH OUT	5037	
DEPTH IN	5037	
TOTAL FTG.	22	
TOTAL HRS. RUN	7 1/2	
COND. 1/8's T. B. GAGE		
GPM/ PD–PSI		

MUD RECORD			
TIME	1400	2000	
WEIGHT	11.2	11.2	
PRESSURE GRADIENT			
VISC.–SEC.	45	45	
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	10.5	10.5	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PARL–P COM D.C.
4912	5028	D		36	50	4	1100	6 1/4	50			S
										6 1/4		
				Drilling Ahead								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4980	2 1/4	243 E						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0015	1/4		Drilling Ahead
0015	0500	7 1/4		Drilling Ahead

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL–S PARL–P COM D.C.
5025	5037				50	45	1500	6 1/4	50			S
										6 1/4		
				Drilling Ahead								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	5022	2 1/2	S 32 E						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	1000	2	2	Drilling 12 1/4 Hole
1000	1015	1/4	21	Slug Pipe w/ 135 sks 11.8 mud
1015	1130	1 1/4	10	Survey
1130	1345	2 1/4	2	Drilling 12 1/4 Hole
1345	1430	3/4	15	Check Blind Rams Change Out & Record Survey
1430	1500	1/2	2	Run in with 12 1/4 Bit

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PARL–P COM D.C.
5037	5051	D		22	50	45	1200	6 1/4	50	6 1/4		S
				Drilling Ahead								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1500	1645	3/4	2	Run in with 12 1/4 Bit
1645	2400	7 3/4		Drilling 12 1/4 Hole

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23560

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JETS 1/32"		PV/YP			
	D.C. ID OD	FT.	SER. NO.		GELS.			
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JET 1/32"		PV/YP			
	D.C. ID OD	FT.	SER. NO.		GELS.			
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JETS 1/32"		PV/YP			
	D.C. ID OD	FT.	SER. NO.		GELS.			
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DOMINION
NORTHERN AREA
MAY 13 1974
ACTION REQUIRED


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 24 1974
YELLOWKNIFE, N.W.T.

C 23559

DAILY DRILLING REPORT

REPORT NO. 67

LEASE	WELL NO.	API WELL NUMBER	DATE
Pringle Mountain	A-4	A-55-01-30-123-4445	5-6-70

OPERATOR	CONTRACTOR	RIG NO.
Mid Canyon Inc	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A. Lockhart

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	7"	XH	1	1	Emsco	D-375	15
						2	Emsco	D-375	16

LEGAL LAND DESCRIPTION: Pringle Mountain A-55

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						2503

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
13/16	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6	7½	6
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		½	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	6	8½	6

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 67

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12¼	4-16 FT.	BIT NO.	19	TIME	0700	
1	MUDMOTOR	29.66	SIZE	12¼	WEIGHT	11.2	11.2
2	STB RMR OD	12.17 FT.	MFG.	Smith	PRESSURE GRADIENT	.591	
1	D.C. ID OD	2.31 FT.	TYPE	F J S	VISC.-SEC.	56	58
1	STB RMR OD	10.70 FT.	JETS 1/32"	14 14 14	PV/YP	21/17	/
1	D.C. ID OD	1.45 FT.	SER. NO.	K2644	GELS	8/10	/
1	STB RMR OD	6.77 FT.	DEPTH OUT		WL -CC'S	12	
1	C/O	1.71	DEPTH IN	4124	pH	10	
9	D/P	273.52	TOTAL FTG.	141	SOLIDS %	12.6	
1	C/O	2.50	TOTAL HRS. RUN	23¾	SAND	.25	
14	STANDS DP	649.53 FT.	COND. 1/8's T.B. GAGE	R 1 1	MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	39.23 FT.			WT. MAT	50 SK	
	TOTAL	1477 FT.			Gel-Ch	25 SK	
WT. OF STRING	152M	LBS.			Wtr	150	

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12¼	2.00 FT.	BIT NO.	11	TIME	0530	1700
1	MUDMOTOR	29.66	SIZE	12¼	WEIGHT	11.2	11.2
	STB RMR OD	FT.	MFG.	Smith	PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE	F J S	VISC.-SEC.	53	53
4	STB RMR OD	10.70 FT.	JET 1/32"	14 14 14	PV/YP	/	/
1	D.C. ID OD	1.45 FT.	SER. NO.	K2644	GELS	/	/
1	STB RMR OD	6.77 FT.	DEPTH OUT		WL -CC'S		
1	C/O	1.71	DEPTH IN	4124	pH	10.0	10.0
9	D/P	273.52	TOTAL FTG.	135	SOLIDS %		
1	C/O	2.50	TOTAL HRS. RUN	21¾			
14	STANDS DP	649.53 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	62.01 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	39.23 FT.					
	TOTAL	1477 FT.					
WT. OF STRING	152M	LBS.					

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12¼	2.00 FT.	BIT NO.	11	TIME	1700	2100
1	MUDMOTOR	29.66	SIZE	12¼	WEIGHT	11.2	11.1
2	STB RMR OD	12.17 FT.	MFG.	Smith	PRESSURE GRADIENT		
1	D.C. ID OD	2.31 FT.	TYPE	F J S	VISC.-SEC.	53	54
4	STB RMR OD	10.70 FT.	JETS 1/32"	14 14 14	PV/YP	/	/
1	D.C. ID OD	1.45 FT.	SER. NO.	K2644	GELS	/	/
1	STB RMR OD	6.77 FT.	DEPTH OUT		WL -CC'S		
1	C/O	1.71	DEPTH IN	4124	pH	9.5	9.5
9	D/P	273.52	TOTAL FTG.	136	SOLIDS %		
1	C/O	2.50	TOTAL HRS. RUN	21¾			
14	STANDS DP	649.53 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	62.01 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	39.23 FT.			Gel-Ch	25 SK	
	TOTAL	1477 FT.			Wtr-G	25 SK	
WT. OF STRING	152M	LBS.			Wtr	150	

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
4122	4470	48'			50	45	1900	6¼	50	6¼		S
				DS: 1650								
				IDLE RATE 0-1000 SPM 27								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6		DRLG 4122 - 4470

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
4470	4511	D		41	50	45	1900	6¼	50			S
										6¼	61	S
				Lost Circ. Material 4 600								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4470	3	S E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1345	5½		
1345	1900	5¼		
1900	2130	2½		

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
4511	4646	D			50	45	1900	6¼	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2130	2400	2½		
0001	0600	6		

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


CONSERVATION ENGINEER
MAY 27 1974
YELLOWKNIFE, N.W.T.

C 23558

DAILY DRILLING REPORT — REPORT NO. 11

LEASE	WELL NO.	API WELL NUMBER	DATE
Lucile Johnston	D-4	15-55-Le-30-123-W45	5-6-54

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Lewis	Al Lueckes

O.D. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.5	E	7"	XH	1	1	Emsco	D-375	16
						2	Emsco	D-375	16

LEGAL LAND DESCRIPTION — Section 30-T23S-R45W, Ford County, Kansas

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13⅜						353'

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
5/32	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6½	7½	3½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			1½
6. TRIPS	1½		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		½	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADD'T'N'L			
COMPLETION G.			
TOTALS	8	8½	7½

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 11

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12¼ Smith	5.10 FT.	BIT NO.	19	TIME		11
1	1 monel	30.65	SIZE	12¼	WEIGHT	11.1	11.1
2	STB RMR OD	12.07 FT.	MFG.	Smith	PRESSURE GRADIENT		.576
1	D.C. ID OD	2.81 FT.	TYPE	J-55	VISC.-SEC.	55	54
4	STB RMR OD	14.70 FT.	JETS 1/32"	14 14 10	PV/YP	19/11	19/11
1	D.C. ID OD	1.06 FT.	SER. NO.	RR 604	GELS.	8/5	8/5
5	STB RMR OD	15.72 FT.	DEPTH OUT		WL.-CC'S.	11.0	11.0
1	Kelly	1.71	DEPTH IN	4624	pH	11.0	11.0
9	D.C.	280.52	TOTAL FTG.	37	SOLIDS %	14	14
		2.50	TOTAL HRS. RUN	6½	Sand	.75	.75
43	STANDS DP	3980.50 FT.	COND. 1/8's T.B. GAGE	R 1 1	MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD.-PSI	/ /	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	94.26 FT.					
	TOTAL	4466.00 FT.					
WT. OF STRING	163000 LBS.						

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	FT.	BIT NO.	11	TIME	08	
			SIZE	12¼	WEIGHT	11.1	11.1
	STB RMR OD	FT.	MFG.	Smith	PRESSURE GRADIENT	.576	.576
1	D.C. ID OD	FT.	TYPE	J-55	VISC.-SEC.	54	54
	STB RMR OD	FT.	JET 1/32"	14 14 10	PV/YP	19/11	19/11
1	D.C. ID OD	FT.	SER. NO.	RR 604	GELS.	8/5	8/5
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	10	10
1			DEPTH IN	4624	pH	10.0	10.0
			TOTAL FTG.	26	SOLIDS %	14	14
			TOTAL HRS. RUN	14			1.00
	STANDS DP	FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED		
1	SINGLES DP	FT.	GPM/ PD.-PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING	LBS.						

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12¼	FT.	BIT NO.	11	TIME	10:00	
			SIZE	12¼	WEIGHT	12.9	
	STB RMR OD	FT.	MFG.	Smith	PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE	J-55	VISC.-SEC.	50	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.	RR 604	GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN	4624	pH		
			TOTAL FTG.	98	SOLIDS %		
			TOTAL HRS. RUN	18½			
43	STANDS DP	3980.50 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	FT.	GPM/ PD.-PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	4722.00 FT.					
WT. OF STRING	LBS.						

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
4624	4661	37			55	45	1900	6¼	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	8:30	2½		Rig up & rig repair
8:30	15:00	6½		Drilling 12¼ hole
				Drilling mud wt. down slowly from 11.1 ppg

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
4661	4710	0			50	45	1900	6¼	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4675	2¾	S 22 E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	13:30	7½		Drlg 12¼ hole
13:30	14:00	½		Circ & prepare for Survey
				Circ & cond for DST #2

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
4710	4722	0		Gas kick @ 10.8 mud wt.	50	45	1900	6¼	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12:00	17:30	5½		Circ & cond for DST #2 Gas kick @ 10.8 mud wt
17:30	1:30	8		Circ & cond for DST #2
1:30	3:45	2¼		Trip out for DST #2
3:45	5:45	2		Rig up & run DST #2
5:45	7:45	2		Circ & cond for DST #2
7:45	8:00	¼		Trip in for DST #2

DRILLER

FORM 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23557

DAILY DRILLING REPORT REPORT NO. 15

LEASE	WELL NO.	API WELL NUMBER	DATE
Pearce Simmons	A-4	42-55-Li-3-123-4145	5-4-74
OPERATOR		**CONTRACTOR**	**RIG NO.**
Pearce Co. Inc.		LOFFLAND BROTHERS COMPANY	72
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
Neal Johnson		R. Lushbaugh	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.5	E	6⅝	NC50	1	1	Emsco	D-375	18
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION Pearce Simmons A-5

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13⅜						2503

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	16	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	12½	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			1½
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		½	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			1½
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER			9 1/8
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8	8	6

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 65

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	4.10	FT.
1	monel	30.61	
2	STB RMR OD	12.47	FT.
1	D.C. ID OD	2.50	FT.
1	STB RMR OD	14.73	FT.
1	D.C. ID OD	1.46	FT.
1	STB RMR OD	14.73	FT.
1		1.53	
9		280.52	
1		2.50	
42	STANDS DP	3997.80	FT.
1	SINGLES DP	30.18	FT.
	KELLY DOWN	13.79	FT.
	TOTAL	4588.00	FT.

WT. OF STRING 152000 LBS.

BIT RECORD

BIT NO.	18		
SIZE	12¼		
MFG.	Smith		
TYPE	4 JS		
JETS 1/32"	12 12 12		
SER. NO.	RX799		
DEPTH OUT			
DEPTH IN	4216		
TOTAL FTG.	373		
TOTAL HRS. RUN	17		
COND. 1/8's T/B/ GAGE	Rerunning		
GPM/ PD-PSI			

MUD RECORD

TIME	3:45	6:00	6:30
WEIGHT	10.9	10.9	
PRESSURE GRADIENT			
VISC.-SEC.	49	47	
PV/YP	/	/	14/15
GELS.	/	/	5/10
WL -CC'S.			11.
pH			11.
SOLIDS %			14
Sand			.5

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Wt Material	6 SK	Lime	25 SK
Gel	195 SK		
Hi-Fo	45 BBL		
X-C-D	3 SK		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	4.10	FT.
1	monel	30.61	
2	STB RMR OD	12.47	FT.
1	D.C. ID OD	2.50	FT.
4	STB RMR OD	114.73	FT.
1	D.C. ID OD	1.46	FT.
1	STB RMR OD	1.53	FT.
1		1.53	
9		280.52	
1		2.50	
42	STANDS DP	3997.80	FT.
1	SINGLES DP	30.18	FT.
	KELLY DOWN	13.79	FT.
	TOTAL	4588.00	FT.

WT. OF STRING 152000 LBS.

BIT RECORD

BIT NO.	18		
SIZE	12¼		
MFG.	Smith		
TYPE	4 JS		
JET 1/32"	12 12 12		
SER. NO.	RX799		
DEPTH OUT	4216		
DEPTH IN	4216		
TOTAL FTG.	373		
TOTAL HRS. RUN	17		
COND. 1/8's T/B/ GAGE	Rerunning		
GPM/ PD-PSI			

MUD RECORD

TIME	0830	1100	1530
WEIGHT			11.1
PRESSURE GRADIENT			
VISC.-SEC.	50		47
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lime	25 SK		
Wt Material	2 SK		

FOOTAGE

FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COM-C
4545	4558	13			50	45	1500	6½	46	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		Drilling

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	4.10	FT.
1	monel	30.61	
2	STB RMR OD	12.47	FT.
1	D.C. ID OD	2.50	FT.
4	STB RMR OD	114.73	FT.
1	D.C. ID OD	1.46	FT.
1	STB RMR OD	1.53	FT.
1		1.53	
9		280.52	
1		2.50	
42	STANDS DP	3997.80	FT.
1	SINGLES DP	30.18	FT.
	KELLY DOWN	13.79	FT.
	TOTAL	4588.00	FT.

WT. OF STRING 152000 LBS.

BIT RECORD

BIT NO.	18		
SIZE	12¼		
MFG.	Smith		
TYPE	4 JS		
JET 1/32"	14 14 14		
SER. NO.	RX799		
DEPTH OUT	4624		
DEPTH IN	4216		
TOTAL FTG.	408		
TOTAL HRS. RUN	24		
COND. 1/8's T/B/ GAGE	6 4 I		
GPM/ PD-PSI			

MUD RECORD

TIME	1530	2400	0600
WEIGHT	11.1	11.1	11.1
PRESSURE GRADIENT			
VISC.-SEC.	47	47	47
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	10	10	10
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Lime	25 SK		
Wt Material	2 SK		

FOOTAGE

FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COM-C
4558	4624	9	36		50	40	1700	6½	46			S
							1900			6½	52	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4624	2¾	S-57E						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0000	1330	5½		Drilling
1330	1400	½		Circ. & Work on Survey
1400	1545	1¾		Drilling
1545	1600	¼		Work on Survey
1600	2400	8		Drilling

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	4.10	FT.
1	monel	30.61	
2	STB RMR OD	12.47	FT.
1	D.C. ID OD	2.50	FT.
4	STB RMR OD	114.73	FT.
1	D.C. ID OD	1.45	FT.
5	STB RMR OD	145.73	FT.
1		1.53	
9		280.52	
1		2.50	
42	STANDS DP	3997.80	FT.
1	SINGLES DP	30.18	FT.
	KELLY DOWN	13.79	FT.
	TOTAL	4624.00	FT.

WT. OF STRING 152000 LBS.

BIT RECORD

BIT NO.	19		
SIZE	12¼		
MFG.	Smith		
TYPE	4 JS		
JETS 1/32"	14 14 14		
SER. NO.	RX644		
DEPTH OUT			
DEPTH IN	4624		
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COM-C
4624								6½				

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2130	5½		Make out 5 joint DC slugs
2130	2200	½		Rack up and pull stands
2200	2330	1½		Rig up and run Electric
2330	2400	½		Pull out of hole

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23556

DAILY DRILLING REPORT

REPORT NO. 14

LEASE	WELL NO.	API WELL NUMBER	DATE
Pennzoil Mountain	A-4	43-055-16-30-12E-3445	05-3-74

OPERATOR	CONTRACTOR	RIG NO.
Pennzoil Company	LOFFLAND BROTHERS COMPANY	42

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible] Bucher

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4½	16.60	E	6⅜	NC50	1	1	Emsco	D-100	15
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION: Pennzoil Mountain A-4

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13⅜						2503

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/16	16	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	2	13½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	14		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
1	Emsco	2503	
2	STB RMR OD	1247	FT.
1	D.C. ID OD	2-25	FT.
4	STB RMR OD	1147	FT.
1	D.C. ID OD	1145	FT.
5	STB RMR OD	1137	FT.
1		1171	
9		2502	
1		2.50	
14	STANDS DP	7303.52	FT.
	SINGLES DP		FT.
	KELLY DOWN	3284	FT.
	TOTAL	10587.52	FT.
WT. OF STRING		95,000	LBS.

BIT RECORD

BIT NO.	5
SIZE	12¼
MFG.	Smith
TYPE	4 TS
JETS 1/32"	13 13 13
SER. NO.	RA 759
DEPTH OUT	
DEPTH IN	12315
TOTAL FTG.	187
TOTAL HRS. RUN	23½
COND. 1/8's T/B/ GAGE	8 8 1/16
GPM/ PD–PSI	/ /

MUD RECORD

TIME	0900		2000
WEIGHT	8.6		8.7
PRESSURE GRADIENT			
VISC.–SEC.	55		54
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9.5		9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
WC Gel	2550		
Caus.	150		
Mix Time			

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	/ /

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT		FT.
2	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
5	STB RMR OD	4673	FT.
	STANDS DP		FT.
2	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD–PSI	/ /

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE / FORMATION

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'L.–P COM'B.–C
4452	4482	30			50	45	800	6¼	41	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0900	9		Drlg 12¼ Hole

DRILLER

DAY TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL.–S PAR'L.–P COM'B.–C
4482	6445	30			50	45	800	6¼	46			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0900	9		Drlg 12¼ Hole

DRILLER

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PAR'L.–P COM'B.–C
6445	6645	D			50	45	800	6¼	46			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
6510	3	S						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	2000	2		Drlg 12¼ Hole
2000	2030	½		Circ & Cond Mud
2030	0001	5½		Trip Out

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23555

DAILY DRILLING REPORT

REPORT NO. 13

LEASE	WELL NO.	API WELL NUMBER	DATE
[illegible] MOUNTAIN	A-4	A-56-40-30-123-W45	06-2-74

OPERATOR	CONTRACTOR	RIG NO.
[illegible]	LOFFLAND BROTHERS COMPANY	32

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	G	7"	NC50	1	1	EMSCO	DUPLEX	18
						2	EMSCO	D-70	16

LEGAL LAND DESCRIPTION [illegible]

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8						2502

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
130	16	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	8	7½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 13

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	[illegible]	FT.
1	[illegible]	[illegible]	
2	STB RMR OD	12.87	FT.
1	D.C. ID OD	2.36	FT.
4	STB RMR OD	14.71	FT.
1	D.C. ID OD	1.46	FT.
5	STB RMR OD	14.73	FT.
1	[illegible]	1.71	
9	[illegible]	301.52	
1	[illegible]	2.50	
40	STANDS DP	3709.15	FT.
	SINGLES DP		FT.
	KELLY DOWN	39.47	FT.
	TOTAL	4194.00	FT.

WT. OF STRING 149,000 LBS.

BIT RECORD

BIT NO.	15
SIZE	12¼
MFG.	Smith
TYPE	4 J-55
JETS 1/32"	3 13 13
SER. NO.	RR709
DEPTH OUT	
DEPTH IN	4315
TOTAL FTG.	79
TOTAL HRS. RUN	20
COND. 1/8's T/B/ GAGE	R W W
GPM/ PD-PSI	/ /

MUD RECORD

TIME	[illegible]	[illegible]	
WEIGHT	11.7	11.2	11.2
PRESSURE GRADIENT			.577
VISC.-SEC.	51	54	54
PV/YP	/	/	19/2
GELS.	/	/	2/23
WL -CC'S.	/	/	12.4
pH	9.3	9.5	9.5
SOLIDS %			12.3

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Wtr.	525 bbls		
Gel	15 sx.		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	[illegible]	FT.
1	[illegible]	[illegible]	
2	STB RMR OD	12.87	FT.
1	D.C. ID OD	2.36	FT.
4	STB RMR OD	14.70	FT.
1	D.C. ID OD	1.46	FT.
5	STB RMR OD	14.73	FT.
1	[illegible]	1.71	
9	[illegible]	301.52	
1	[illegible]	2.50	
40	STANDS DP	3709.15	FT.
1	SINGLES DP	31.21	FT.
	KELLY DOWN	33.00	FT.
	TOTAL	4122.00	FT.

WT. OF STRING [illegible] LBS.

BIT RECORD

BIT NO.	14
SIZE	12¼
MFG.	Smith
TYPE	4 J-55
JET 1/32"	13 13 13
SER. NO.	RR711
DEPTH OUT	
DEPTH IN	4315
TOTAL FTG.	107
TOTAL HRS. RUN	27
COND. 1/8's T/B/ GAGE	[illegible]
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1530	1200	1440
WEIGHT	11.1	11.1	11.0
PRESSURE GRADIENT			
VISC.-SEC.	47	44	47
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	/	/	
pH	9.5	[illegible]	9.5
SOLIDS %	[illegible]	[illegible]	[illegible]

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	15 sxs	X-Link	2 sxs
Caustic	5 sxs	Quebracho	8 sxs
Diesel	1 bbl		
Lignite	1 sx		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	[illegible]	FT.
1	[illegible]	[illegible]	
2	STB RMR OD	12.87	FT.
1	D.C. ID OD	2.36	FT.
4	STB RMR OD	14.71	FT.
1	D.C. ID OD	1.46	FT.
5	STB RMR OD	14.73	FT.
1	[illegible]	1.71	
9	[illegible]	301.52	
1	[illegible]	2.50	
40	STANDS DP	3709.15	FT.
2	SINGLES DP	63.72	FT.
	KELLY DOWN	32.84	FT.
	TOTAL	4192.00	FT.

WT. OF STRING [illegible] LBS.

BIT RECORD

BIT NO.	14
SIZE	[illegible]
MFG.	[illegible]
TYPE	[illegible]
JETS 1/32"	[illegible]
SER. NO.	[illegible]
DEPTH OUT	
DEPTH IN	[illegible]
TOTAL FTG.	137
TOTAL HRS. RUN	35½
COND. 1/8's T/B/ GAGE	[illegible]
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1430	2000	0730
WEIGHT	11	11.0	11.0
PRESSURE GRADIENT			.571
VISC.-SEC.	50	62	57
PV/YP	/	/	21/20
GELS.	/	/	5/18
WL -CC'S.	15		8.0
pH	[illegible]		9.5
SOLIDS %	[illegible]		14
[illegible]	[illegible]		4.2

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Wtr.	350 bbls		
Gel	10 sx		
[illegible]	[illegible]		

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
4342	4394	32			50	45	1100	6¼	46	6¼		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0800	8		[illegible]

DRILLER [illegible]

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
4394	4422	0		28'	50	45	1100	6¼	46			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8		[illegible]

DRILLER [illegible]

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.C.
4422	4452	0	30'		50	45	1100	6¼	46			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4405	3°	S62E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1800	2		[illegible]
1800	1830	½		[illegible]
1830	[illegible]	5½		[illegible]

DRILLER [illegible]

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23554

DAILY DRILLING REPORT

REPORT NO. 63

LEASE	WELL NO.	API WELL NUMBER	DATE
Lovell Moon Unit	A-4	A-55-60-30-123-W US	25-1-54

OPERATOR	CONTRACTOR	RIG NO.
Lovell Corp. Inc.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Neal Johnson	C.W. Lockhart

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	16.50	E	6⅝	OH/H	1	1	Emsco	D-100	18
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13⅜						2503

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
3/16	18	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	1	4	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	3½	1½	
7. LUBRICATE RIG	½		
8. REPAIR RIG	3½	2	
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	½		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.	½		
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.		½	
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	62		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	4.12	FT.
1		28.10	
2	STB RMR OD	12.07	FT.
1	D.C. ID OD	2.81	FT.
1	STB RMR OD	11.37	FT.
1	D.C. ID OD	9.45	FT.
1	STB RMR OD	11.33	FT.
1		4.11	
1		11.52	
1		2.50	
39	STANDS DP	2504	FT.
1	SINGLES DP	29.51	FT.
1	KELLY DOWN	21.95	FT.
	TOTAL	4316.00	FT.
WT. OF STRING		115,000	LBS.

BIT RECORD

BIT NO.	17	18
SIZE	12¼	12¼
MFG.	Smith	Smith
TYPE	4 J 55	4 J 55
JETS 1/32"	12 12 12	13 13 13
SER. NO.	RX744	RX779
DEPTH OUT	4315	
DEPTH IN	4172	4315
TOTAL FTG.	243	
TOTAL HRS. RUN	6½	
COND. 1/8's T/B/ GAGE	7 1 5	
GPM/ PD-PSI	/	/

MUD RECORD

TIME	0030		
WEIGHT	10.1		
PRESSURE GRADIENT			
VISC.-SEC.	49		
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.	/	/	/
pH	9.5		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	4.12	FT.
1		28.10	
2	STB RMR OD	12.07	FT.
1	D.C. ID OD	2.81	FT.
1	STB RMR OD	11.37	FT.
1	D.C. ID OD	9.45	FT.
1	STB RMR OD	11.33	FT.
1		1.11	
1		30.12	
1		2.50	
39	STANDS DP	3605.14	FT.
1	SINGLES DP	29.51	FT.
1	KELLY DOWN	21.95	FT.
	TOTAL	4316.00	FT.
WT. OF STRING		115,000	LBS.

BIT RECORD

BIT NO.	18	
SIZE	12¼	
MFG.	Smith	
TYPE	4 J 55	
JET 1/32"	13 13 13	
SER. NO.	RX779	
DEPTH OUT		
DEPTH IN	4315	
TOTAL FTG.	1	
TOTAL HRS. RUN	½	
COND. 1/8's T/B/ GAGE		
GPM/ PD-PSI	/	/

MUD RECORD

TIME	7500		1100
WEIGHT	10.1		10.1
PRESSURE GRADIENT			
VISC.-SEC.	51		51
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.	/	/	/
pH	9.5		9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1 sx		
Lime	1 sx		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	4.12	FT.
1		28.10	
2	STB RMR OD	12.07	FT.
1	D.C. ID OD	2.81	FT.
1	STB RMR OD	11.37	FT.
1	D.C. ID OD	9.45	FT.
1	STB RMR OD	11.33	FT.
1		1.11	
1		30.12	
1		2.50	
39	STANDS DP	3605.14	FT.
1	SINGLES DP	29.51	FT.
1	KELLY DOWN	21.95	FT.
	TOTAL	4316.00	FT.
WT. OF STRING		115,000	LBS.

BIT RECORD

BIT NO.	18	
SIZE	12¼	
MFG.	Smith	
TYPE	4 J 55	
JET 1/32"	13 13 13	
SER. NO.	RX779	
DEPTH OUT		
DEPTH IN	4315	
TOTAL FTG.	1	
TOTAL HRS. RUN	½	
COND. 1/8's T/B/ GAGE		
GPM/ PD-PSI	/	/

MUD RECORD

TIME	1100		1400
WEIGHT	10.1		10.1
PRESSURE GRADIENT			
VISC.-SEC.	51		51
PV/YP	/	/	/
GELS.	/	/	/
WL.-CC'S.	/	/	/
pH	9.5		9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE / FORMATION

FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARLL-P COM-BC
4324	4328		1		50	45	1500	6¾	46			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
4316	4½	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0700	7		Drilling 12¼ hole
0700	0830	1½		Circ & Survey
0830	1130	3		Trip out for bit
1130	1200	½		Change bits
1200	1230	½		Trip in hole
1230	1300	½		Ream 60' to bottom
1300	1700	4		Drilling 12¼ hole
1700	1730	½		Circ & Survey
1730	2400	6½		Drilling 12¼ hole

DRILLER

DAY TOUR

FOOTAGE / FORMATION

FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARLL-P COM-BC
4328	4328	D		13'	50	45	1100	6¾	46			S
							1800			6½	58	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1000	2		Circ & Cut Drlg. pumps & Input Comm.
1000	1143	1¾		Run in w/ D.P. to 4328 & Ream
1143	1215	½		Drill 12¼ Hole
1215	1230	¼		Circ Out Trip Gas
1230	1300	½		Drill 12¼ Hole

DRILLER

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARLL-P COM-BC
4328	4342	D		30'	50	45	1100	6¾	46			

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1300	2400			Drilling 12¼ hole

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 27 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAY 27 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23553

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Powell D.D.H.	A-4	42-461-31145	4-30-67

OPERATOR	CONTRACTOR	RIG NO.
Brown Drlg. Co.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Joe Tokoi	Pat Burke

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.5#	E	6 5/8	H.W.P.	1	1	Emsco	D-375	18"
						2	Emsco	D-375	18"

LEGAL LAND DESCRIPTION: Powell D.D.H.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8"						422'

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6	8	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG	18		
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	6	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	41		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	422	FT.
1	Rig Sub	4.00	
1	STB RMR OD	7.94	FT.
3	D.C. ID OD	62.01	FT.
1	STB RMR OD	7.56	FT.
4	D.C. ID OD	124.72	FT.
1	STB RMR OD	7.45	FT.
1		14.91	
1		1.91	
1		2.25	
22	STANDS DP	3615.14	FT.
	SINGLES DP		FT.
	KELLY DOWN	32.00	FT.
	TOTAL	4254.40	FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	17		
SIZE	12¼		
MFG.	SMITH		
TYPE	F33		
JETS 1/32"	13 13 13		
SER. NO.	PA774		
DEPTH OUT			
DEPTH IN	4224		
TOTAL FTG.	556		
TOTAL HRS. RUN	44¾		
COND. T/B's T/B GAGE	1 1		
GPM/ PD-PSI	/	/	/

MUD RECORD

TIME	0400	1600	2400
WEIGHT	10.3#	11#	11#
PRESSURE GRADIENT			
VISC.-SEC.	49	47	53
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	7.5	9.0	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel-Chem	3	Spud	
Lig-Chem	1	Lime	
Caus		Soda Ash	

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'B.-C
4245	4252	D			50	45	900	6¼	46			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0515	5 1/4	2	Drlg 12¼ Hole
0515	0545	1/2	5	Wash on Bottom
0545	0801	1 1/4	2	Drlg 12¼ Hole

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	4.10	FT.
1		29.60	
3	STB RMR OD	23.07	FT.
1	D.C. ID OD	2.96	FT.
4	STB RMR OD	124.72	FT.
1	D.C. ID OD	1.46	FT.
5	STB RMR OD	146.53	FT.
1		1.00	
9		268.82	
1		2.50	
39	STANDS DP	2616.99	FT.
	SINGLES DP		FT.
	KELLY DOWN	32.91	FT.
	TOTAL	4304.60	FT.
WT. OF STRING		147,000	LBS.

BIT RECORD

BIT NO.	17		
SIZE	12¼		
MFG.	Smith		
TYPE	F33		
JETS 1/32"	13 13 13		
SER. NO.	PA774		
DEPTH OUT	4224		
DEPTH IN	4672		
TOTAL FTG.	229		
TOTAL HRS. RUN	6¾		
COND. T/B's T/B GAGE	1 1		
GPM/ PD-PSI	/	/	/

MUD RECORD

TIME	0400	1600	2400
WEIGHT	11.2#	11#	10.9#
PRESSURE GRADIENT			
VISC.-SEC.	54	48	46
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel-Chem	3 sks	Spud	
Lig-Chem		Lime	
Caus	1 sk	Soda Ash	

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'B.-C
4253	4301	D			50	45	900	6¼	46			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0801	8	2	Drlg 12¼ Hole

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	4.10	FT.
1		29.60	
3	STB RMR OD	23.07	FT.
1	D.C. ID OD	2.96	FT.
4	STB RMR OD	124.72	FT.
1	D.C. ID OD	1.46	FT.
5	STB RMR OD	146.53	FT.
1		1.00	
9		268.82	
1		2.50	
39	STANDS DP	2616.99	FT.
	SINGLES DP		FT.
	KELLY DOWN	32.91	FT.
	TOTAL	4304.60	FT.
WT. OF STRING		147,000	LBS.

BIT RECORD

BIT NO.	17		
SIZE	12¼		
MFG.	Smith		
TYPE	F33		
JETS 1/32"	13 13 13		
SER. NO.	PA774		
DEPTH OUT	4672		
DEPTH IN	4914		
TOTAL FTG.	242		
TOTAL HRS. RUN	10¾		
COND. T/B's T/B GAGE	1 1		
GPM/ PD-PSI	/	/	/

MUD RECORD

TIME	1600	1900	2200
WEIGHT	11.5#	11#	11.1#
PRESSURE GRADIENT			
VISC.-SEC.	52	48	46
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel-Chem	5 sks	Caus	1 sk
Lig-Chem	1 sk	Soda Ash	
Spud		Lime	

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'B.-C
4301	4314	D		13'	50	45	900	6¼	46	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8		Drlg 12¼ Hole

DRILLER

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

FORM 3T6

APPROVED

APPROVED

C 23552

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARTEL-P COMP.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARTEL-P COMP.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARTEL-P COMP.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23551

DAILY DRILLING REPORT

REPORT NO. 59

LEASE	WELL NO.	API WELL NUMBER	DATE
Paden H.I.-N	A-9	50-043-20125-0000	04-25-74

OPERATOR	CONTRACTOR	RIG NO.
Reed Energy Ltd.	LOFFLAND BROTHERS COMPANY	12

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Ken Slack	M. Loughry

LEGAL LAND DESCRIPTION: Paden Hunton A-35

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						2564

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 7/8	NC50	1	1	Emsco	D-362	18
						2	Emsco	D-362	18

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	3	7	11
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS	4		
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			1/2
	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.	1 1/2		
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	59
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12 1/4	1.00 FT.	BIT NO.	16	17	TIME	
1	Bit Sub	1.00	SIZE	12 1/4	12 1/4	WEIGHT	
1	STB RMR OD	FT.	MFG.	Smith	Smith	PRESSURE GRADIENT	
2	D.C. ID OD	62.07 FT.	TYPE	F-3	F-3	VISC.-SEC.	
1	STB RMR OD	3.86 FT.	JETS 1/32"	12 12 12	12 12 12	PV/YP	/ /
4	D.C. ID OD	124.38 FT.	SER. NO.	RR117	RR114	GELS.	/ /
1	STB RMR OD	1.45 FT.	DEPTH OUT	4122		WL.-CC'S.	
1	Sub	1.00	DEPTH IN	3774	4092	pH	
2	HWDP	59.52	TOTAL FTG.	348		SOLIDS %	
6	DP	186.00	TOTAL HRS. RUN	17 1/2			
	STANDS DP	2231.61 FT.	COND. 1/8" T.B. GAGE	8 5 1		MUD & CHEMICALS ADDED	
	SINGLES DP	41.31 FT.	GPM/ PD-PSI	/	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	45.00 FT.				Gel 5 sx	
	TOTAL	4175.43 FT.				Lime 20 sx	
	WT. OF STRING	145 LBS.					

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	FT.	BIT NO.	17		TIME	
			SIZE	12¼		WEIGHT	8.9
	STB RMR OD	FT.	MFG.	Smith		PRESSURE GRADIENT	
2	D.C. ID OD	FT.	TYPE	F-3		VISC.-SEC.	
	STB RMR OD	FT.	JET 1/32"			PV/YP	/
	D.C. ID OD	FT.	SER. NO.			GELS.	/
	STB RMR OD	FT.	DEPTH OUT			WL.-CC'S.	
			DEPTH IN	4092		pH	
			TOTAL FTG.			SOLIDS %	
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8" T.B. GAGE			MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI			TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.			TIME	
			SIZE			WEIGHT	
	STB RMR OD	FT.	MFG.			PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE			VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"			PV/YP	/
	D.C. ID OD	FT.	SER. NO.			GELS.	/
	STB RMR OD	FT.	DEPTH OUT			WL.-CC'S.	
			DEPTH IN			pH	
			TOTAL FTG.			SOLIDS %	
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8" T.B. GAGE			MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI			TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
4012	4045	D			50	45	1200	6½	44			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0345	3 3/4	2	Drlg 12¼ H.I.
0345	0430	3/4	7	Function Test
0430	0445	1/4	15	Check Blow Down, Change B.Rs
0445	0530	1 3/4	2	Drlg 12¼ H.I.
0530	0600	1/2	2	Drlg 12¼ H.I.

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
4045	4102	D			50	45	1200	6½	44			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1130	5½	2	Drlg 12¼ H.I.
1130	1200	½	7	Circulate
1200	1230	½	15	Change Out Rotating Head Rubber
1230	1800	5½	2	Drlg 12¼ H.I.

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
4102	4135	D			50	45	1200	6½	44			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	4135	¾	X						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	2000	2	2	Drlg 12¼ H.I.
2000	2130	1½	5	Circulate
2130	2400	2½	2	Drlg 12¼ H.I.

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23550

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL–S PAR'L–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL–S PAR'L–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL–S PAR'L–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23549

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Pure Hall	12-7	42-461-30423-00-00	04-26-74
OPERATOR	CONTRACTOR		RIG NO.
Pure Oil Co.	LOFFLAND BROTHERS COMPANY		12
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		
	B. Burkholz		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
4	11.85	E	5 1/4	XH	1	1	Emsco	D-375	16
						2	Emsco	D-375	16

LEGAL LAND DESCRIPTION: Pure Hall Lease #35

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8						363

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	3	6 1/4	5
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	3		
7. LUBRICATE RIG			
8. REPAIR RIG		1/4	
9. CUT OFF DRILLING LINE	2 1/4		
10. DEVIATION SURVEY		1/2	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS		8	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.	11	TIME				6:30
			SIZE	12 1/4	WEIGHT				10.2
	STB RMR OD	FT.	MFG.	SMITH	PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE	F 3	VISC.-SEC.				49
	STB RMR OD	FT.	JETS 1/32"	13 13 13	PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.	RX48	GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN	3294	pH				9.5
			TOTAL FTG.	15	SOLIDS %				
			TOTAL HRS. RUN	3 3/4					
44	STANDS DP	FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED				
3	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.			Gel	3 Sx			
	TOTAL	FT.			Caus.	4 Sx			
WT. OF STRING		LBS.			Soda Ash	1 Sx			

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'L..P COM'D..C
3245	3580	D			50	40	600	6 1/4	46			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0130	1 1/2		Check Flow Rate Increase Casing pump 35 SPM
0130	0145	1/4		Pick up Swivel
0145	0230	3/4		Run in Drill Collars Tag TOC at 3245 ft Drill Plug
0230	0300	1/2		Circulate 15' Drilling Line
0300	0345	3/4		Rig up Hose
0345	0400	1/4		Test Casing to 1000 PSI for 30 min OK
0400	0600	2		Drilling Plug and Cement

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 12 1/4	FT.	BIT NO.	11	TIME	0630	1330		
			SIZE	12 1/4	WEIGHT	10.2	10.3		
2	STB RMR OD	FT.	MFG.	SMITH	PRESSURE GRADIENT	528			
1	D.C. ID 9 1/2 OD	FT.	TYPE	F 3	VISC.-SEC.	50	50		
1	STB RMR OD	FT.	JET 1/32"	13 13 13	PV/YP	20/17	/	/	
1	D.C. ID 8 OD	FT.	SER. NO.	RX48	GELS.	4/9	/	/	
5	STB RMR OD	FT.	DEPTH OUT	3645	WL.-CC'S.	9.6			
1			DEPTH IN	3645	pH	9.5	9.5		
9			TOTAL FTG.	347	SOLIDS %	4			
			TOTAL HRS. RUN	39 1/2					
35	STANDS DP 12M+57	FT.	COND. 1/8's T.B. GAGE	2 2 2	MUD & CHEMICALS ADDED				
3	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN 39.28	FT.			Gel	10 Sx			
	TOTAL 3921.00	FT.			Caus.	4 Sx			
WT. OF STRING 113.000		LBS.			Soda Ash	1 Sx			

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL..S PAR'L..P COM'D..C
3890	3921	4			50	40	550	6 1/4	46			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3580	4°							

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0900	3		Drilling 12 1/4 Hole
0900	1130	2 1/2		Circulate and Condition Mud
1130	1230	1		Trip out for Bit
1230	1245	1/4		Change Bit
1245	1330	3/4		Trip in Hole
1330	1400	1/2		Drilling 12 1/4 Hole
1400	1500	1		Circulate and Condition Mud
1500	1530	1/2		Trip out for Logs
1530	1600	1/2		Rig up Logging Unit

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 12 1/4	FT.	BIT NO.	11	TIME	1930	0130		
			SIZE	12 1/4	WEIGHT	10.3	10.9		
2	STB RMR OD	FT.	MFG.	SMITH	PRESSURE GRADIENT	536			
1	D.C. ID 9 1/2 OD	FT.	TYPE	F 3	VISC.-SEC.	49			
1	STB RMR OD	FT.	JETS 1/32"	13 13 13	PV/YP	20/17	/	/	
1	D.C. ID 8 OD	FT.	SER. NO.	RX48	GELS.	4/9	/	/	
5	STB RMR OD	FT.	DEPTH OUT	3921	WL.-CC'S.	9.6			
1			DEPTH IN	3921	pH	9.5			
9			TOTAL FTG.	36	SOLIDS %	4			
			TOTAL HRS. RUN	4 1/2					
35	STANDS DP 12M+57	FT.	COND. 1/8's T.B. GAGE	2 2 2	MUD & CHEMICALS ADDED				
3	SINGLES DP 31.28	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN 39.28	FT.			Gel	10 Sx			
	TOTAL 3921.00	FT.			Caus.	4 Sx			
WT. OF STRING 113.000		LBS.			Soda Ash	1 Sx			

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'L..P COM'D..C
3921	3940	1			50	40	600	6 1/4	46			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1400	2		Drilling 12 1/4 Hole

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23548

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JETS 1/32"		PV/YP			
	D.C. ID OD	FT.	SER. NO.		GELS			
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
	WT. OF STRING	LBS.						

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART'L-P COM'P.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JET 1/32"		PV/YP			
	D.C. ID OD	FT.	SER. NO.		GELS.			
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
	WT. OF STRING	LBS.						

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PART'L-P COM'P.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
	BIT	FT.	BIT NO.		TIME			
			SIZE		WEIGHT			
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT			
	D.C. ID OD	FT.	TYPE		VISC.-SEC.			
	STB RMR OD	FT.	JETS 1/32"		PV/YP			
	D.C. ID OD	FT.	SER. NO.		GELS.			
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
			DEPTH IN		pH			
			TOTAL FTG.		SOLIDS %			
			TOTAL HRS. RUN					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
	WT. OF STRING	LBS.						

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART'L-P COM'P.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23547

DAILY DRILLING REPORT REPORT NO.

LE	WELL NO.	API WELL NUMBER	DATE
Powell M.T.U.	A-4	42-033-32123-00-00	4-24-74

OPERATOR	CONTRACTOR	RIG NO.
Bruce Brown L.T.D.	LOFFLAND BROTHERS COMPANY	79

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Lockhart

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	7 1/4 OD	4 1/2 IF	1	1	Ideco	D-700	16
						2	Ideco	D-700	16

LEGAL LAND DESCRIPTION Powell M.T.U. A-35

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	13 3/8						253

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN		8	
2.	DRILL ACTUAL	7 1/2	8	
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS		1 1/4	
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY	1/2	1/4	
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.		1/2	
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.	Other		1/4	
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	16	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 55

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12 1/4	1.00 FT.	BIT NO.	15	TIME	4:30	6:45
1	8 DC 6 1/4 HWDP	616.03	SIZE	12 1/4	WEIGHT	10.0	10.0
1	STB RMR OD	6.20 FT.	MFG.	Reed	PRESSURE GRADIENT		.501
1	D.C. ID OD	6.50 FT.	TYPE	S60J	VISC.-SEC.	33	41
1	STB RMR OD	6.22 FT.	JETS 1/32"	12 12 13	PV/YP	/	/
1	D.C. ID OD	30.25 FT.	SER. NO.	RX177	GELS.	/	/
1	STB RMR OD	6.22 FT.	DEPTH OUT		WL -CC'S.		
1			DEPTH IN	3034	pH	8.5	9.0
1	14 HWDP	386.52	TOTAL FTG.	575	SOLIDS %		12.5
1			TOTAL HRS. RUN	6 3/4			
82	STANDS DP	3767.50 FT.	COND. 1/8's T/B/ GAGE	8 1	MUD & CHEMICALS ADDED		
1	SINGLES DP	31.42 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE AMT.
1	KELLY DOWN	39.00 FT.			Chem	40	220
	TOTAL	3670.67 FT.			Gypsum	120	160
WT. OF STRING 120,000 LBS.					Soda Ash	10	1

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12 1/4	1.00 FT.	BIT NO.	15	16	TIME	10:00	10:00
1	8 DC 6 1/4 HWDP	616.03	SIZE	12 1/4	12 1/4	WEIGHT	10.0	10.0
1	STB RMR OD	6.20 FT.	MFG.	Reed	Smith	PRESSURE GRADIENT	.519	
1	D.C. ID OD	6.50 FT.	TYPE	S60J	MFS	VISC.-SEC.	40	47
1	STB RMR OD	6.22 FT.	JETS 1/32"	12 12 13	13 13 13	PV/YP	22/13	/
1	D.C. ID OD	30.25 FT.	SER. NO.	RX177	RX168	GELS.	7/12	/
1	STB RMR OD	6.22 FT.	DEPTH OUT	3674		WL -CC'S.	9.4	
1			DEPTH IN	3076	3674	pH	9.5	
1	14 HWDP	386.52	TOTAL FTG.	598	12	SOLIDS %	21.0	
1			TOTAL HRS. RUN	19	24			
82	STANDS DP	3767.50 FT.	COND. 1/8's T/B/ GAGE	8 2 1		MUD & CHEMICALS ADDED		
1	SINGLES DP	31.42 FT.	GPM/ PD-PSI	/	/	TYPE	AMT.	TYPE AMT.
1	KELLY DOWN	39.00 FT.						
	TOTAL	3674.67 FT.						
WT. OF STRING 120,000 LBS.								

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12 1/4	1.00 FT.	BIT NO.	16	TIME	7:00	
1	8 DC 6 1/4 HWDP	616.03	SIZE	12 1/4	WEIGHT	10.0	
1	STB RMR OD	6.20 FT.	MFG.	Smith	PRESSURE GRADIENT		
1	D.C. ID OD	6.50 FT.	TYPE	MFS	VISC.-SEC.	47	
1	STB RMR OD	6.22 FT.	JETS 1/32"	13 13 13	PV/YP	/	/
1	D.C. ID OD	30.25 FT.	SER. NO.	RX169	GELS.	/	/
1	STB RMR OD	6.22 FT.	DEPTH OUT	3770		WL -CC'S.		
1			DEPTH IN	3674		pH		
1	14 HWDP	386.52	TOTAL FTG.	96		SOLIDS %		
1			TOTAL HRS. RUN	24				
82	STANDS DP	3767.50 FT.	COND. 1/8's T/B/ GAGE			MUD & CHEMICALS ADDED		
1	SINGLES DP	31.42 FT.	GPM/ PD-PSI	/	/	TYPE	AMT.	TYPE AMT.
1	KELLY DOWN	39.00 FT.						
	TOTAL	3774.67 FT.						
WT. OF STRING 120,000 LBS.								

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM.-C
3133	3491	D			40	55	1800	6 3/4	47			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3135	5 3/4	X						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0130	1 1/2	2	Drilling 12 1/4 Hole
0130	0230	1/2	10	Survey
0230	0600	3 1/2	2	Drilling 12 1/4 Hole

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR'L.-P COM.-C
3671	3850	D			40	55	1800	6 3/4	47			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3670	6°	X						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0730	1 1/2		Drilling 12 1/4 Hole
0730	0745	1/4		Run Survey
0745	1130	3 3/4		Wait To Change Rams Effected Mud
1130	1230	1		Cut Drilling Line
1230	1330	1		Cut Drilling Line & Slip. Run In Hole To Bottom
1330	1345	1/4		Wash Last 5' To Bottom
1345	1800	4 1/4		Drilling 12 1/4 Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM.-C
3896	3970	D			40	60	1800	6 3/4	47			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	2400	6	2	Drilling 12 1/4 Hole

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23546

DAILY DRILLING REPORT

REPORT NO. 54

LEASE	WELL NO.	API WELL NUMBER	DATE
Pointed Petrol	4-4	A-55-10-30-123-W4-5	3-21-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

LEGAL LAND DESCRIPTION A55-10-30-123-W5

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1	Emsco	D-1000	16
						2	Emsco	D-700	16

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13⅜				2005		

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1⅜	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION -- HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL		7½	
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE	6½		
6	TRIPS			
7	LUBRICATE RIG			
8	REPAIR RIG	1½	½	½
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY			
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
22				
23				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	54		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	FT.	BIT NO.	15	TIME	0200	0900
6			SIZE	12¼	WEIGHT	9.6	9.7
	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT		
1	D.C. ID OD	FT.	TYPE	S82-F	VISC.-SEC.	39	41
1	STB RMR OD	FT.	JETS 1 32"	12 12 13	PV/YP	/	/
1	D.C. ID OD	FT.	SER. NO.	815677	GELS.	/	/
3	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN	3076	pH		
			TOTAL FTG.	523	SOLIDS %		
			TOTAL HRS. RUN	23½			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE
	KELLY DOWN	FT.			Gelex	4 SKS	Lo Mor
	TOTAL	FT.			Lime	7 SKS	Lignite
WT. OF STRING		LBS.					

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12¼	FT.	BIT NO.	15	TIME	0230	0600
1			SIZE	12¼	WEIGHT	9.6	9.7
2	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT		
1	D.C. ID OD	FT.	TYPE	S82-F	VISC.-SEC.	38	42
1	STB RMR OD	FT.	JET 1/32"	12 12 13	PV/YP	/	/
1	D.C. ID OD	FT.	SER. NO.	815677	GELS.	/	/
3	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN	3076	pH		
			TOTAL FTG.	523	SOLIDS %		
			TOTAL HRS. RUN	23½			
31	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE
	KELLY DOWN	FT.			Gelex	4 SKS	Lo Mor
	TOTAL	FT.			Lime	7 SKS	Lignite
WT. OF STRING		LBS.					

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	FT.	BIT NO.	16	TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
2	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
3	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3574							1200	6½	92			

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0630	6½		Circ. Through Manifold & Pit Sys.
0630	0900	1½		Wash Out pumps

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3574												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	1530	15½	6	Circ. Through Manifold & Pit Sys.
1530	1600	½	5	Change Seat in D-700

DRILLER

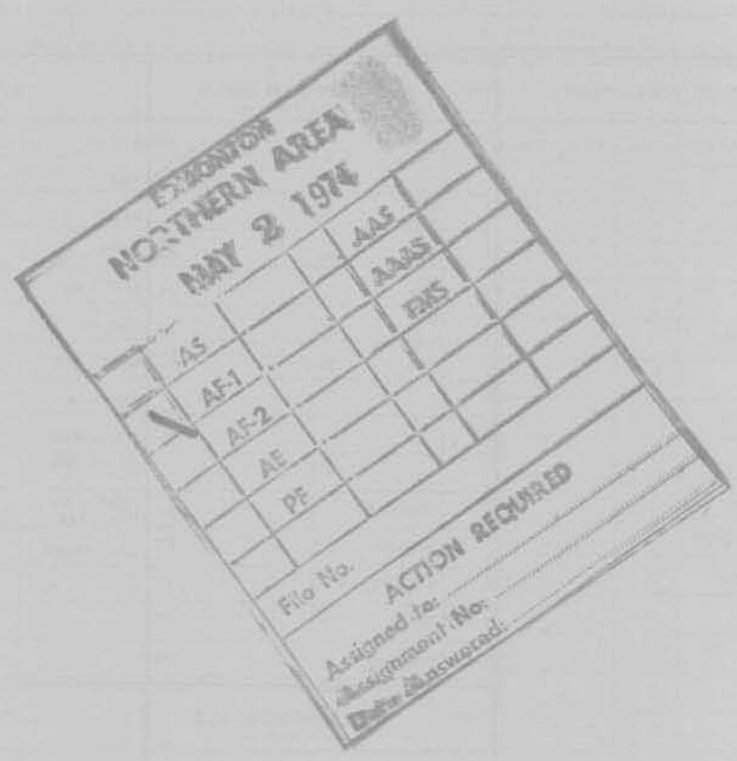
EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
3574	3599	25'			110	65	1100	6½	92			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	½	5	Change Seat in D-700
1630				Drilling 12¼ Hole

DRILLER


EXPLORATION
NORTHERN AREA
MAY 2 1974
AS
AF-1
AF-2
AE
PF
AAS
AAGS
FMS
File No.
ACTION REQUIRED
Assigned to:
Assignment No:
Date Answered:

C 23545

DAILY DRILLING REPORT — REPORT NO. 53

LEASE	WELL NO.	API WELL NUMBER	DATE
Powers Alm	3-4	42-35-00-30-125-42-45	07-22-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	J. H. Fuel

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	G	6 3/4	4 1/2 H.F.	1	1	Emsco	D-360	12
						2	Emsco	D-210	16

LEGAL LAND DESCRIPTION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	13 3/8				2503		

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
15/16	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7	6½	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE		1½	9
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¼	¼	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	53		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	12¼	FT.
1	Monel	10.02	
2	STB RMR OD	12.07	FT.
1	D.C. ID 3" OD	9.86	FT.
1	STB RMR OD	12.07	FT.
1	D.C. ID OD	30.22	FT.
1	STB RMR OD	12.07	FT.
1	8" D.C.	30.22	
1	6½" D.C.	30.22	
1	6½" D.C.	30.22	
1	6½" D.C.	30.22	
30	STANDS DP	2780.31	FT.
2	SINGLES DP	62.75	FT.
	KELLY DOWN	32.00	FT.
	TOTAL	3507.00	FT.
WT. OF STRING	141000		LBS.

BIT RECORD

BIT NO.	14
SIZE	12¼
MFG.	Reed
TYPE	S4C-J
JETS 1/32"	11 12 13
SER. NO.	P50779
DEPTH OUT	
DEPTH IN	3076
TOTAL FTG.	433
TOTAL HRS. RUN	47
COND. 1/8's T/B GAGE	2 1
GPM/ PD–PSI	/ /

MUD RECORD

TIME	0200	0400	0600
WEIGHT	89	89	90
PRESSURE GRADIENT			
VISC.–SEC.	39	36	37
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9	9	9
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	10 sx	Barite	6 MN
Caus	2 sx		
Soda Ash	2 sx		
Drispac	3 sx		

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PARTL–P COMPL–C
3429	3507	D		50	40	40	2000	6½	50			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3430	5°	X						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0630	4½		Drlg 12¼ hole
0630	0645	½		Circ & wipe bot.
0645	0900	3¼		Drlg 12¼ hole

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1	Monel	10.02	
2	STB RMR OD	12.07	FT.
1	D.C. ID OD	30.22	FT.
1	STB RMR OD	12.07	FT.
1	D.C. ID OD	30.22	FT.
1	STB RMR OD	12.07	FT.
1	8" D.C.	30.22	
1	6½" D.C.	30.22	
1	6½" D.C.	30.22	
1	6½" D.C.	30.22	
31	STANDS DP	3074.22	FT.
2	SINGLES DP	62.75	FT.
	KELLY DOWN	32.00	FT.
	TOTAL	3507.00	FT.
WT. OF STRING	142,000		LBS.

BIT RECORD

BIT NO.	15
SIZE	12¼
MFG.	Reed
TYPE	S4C-J
JET 1/32"	13 13 13
SER. NO.	P45179
DEPTH OUT	
DEPTH IN	3071
TOTAL FTG.	518
TOTAL HRS. RUN	53½
COND. 1/8's T/B GAGE	R 1 1
GPM/ PD–PSI	/ /

MUD RECORD

TIME	1100	1300	1100
WEIGHT	9.5	9.5	9.0
PRESSURE GRADIENT			
VISC.–SEC.	41	42	36
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	20 sx		
Soda Ash	3 sx		

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PARTL–P COMPL–C
3507	3574	D			40	45	2000	6½	50			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3574	4¾°	X						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1300	5	2	Drlg 12¼ Hole
1300	1345	¾	10	Survey
1345	1445	1	2	Drlg 12¼ Hole
1445	1500	¼	5	Circ Gas Thru choke & Pump Bit
				2 TOPP – 15 min 400 PSI
				SICP 15 min 200 PSI.

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1	Monel	10.02	
2	STB RMR OD	12.07	FT.
1	D.C. ID OD	30.22	FT.
1	STB RMR OD	12.07	FT.
1	D.C. ID OD	30.22	FT.
1	STB RMR OD	12.07	FT.
1	8" D.C.	30.22	
1	6½" D.C.	30.22	
1	6½" D.C.	30.22	
1	6½" D.C.	30.22	
31	STANDS DP	3074.22	FT.
2	SINGLES DP	62.75	FT.
	KELLY DOWN	32.00	FT.
	TOTAL	3507.00	FT.
WT. OF STRING	140,000		LBS.

BIT RECORD

BIT NO.	15
SIZE	12¼
MFG.	Reed
TYPE	S4C-J
JETS 1/32"	12 12 12
SER. NO.	P45179
DEPTH OUT	
DEPTH IN	3071
TOTAL FTG.	518
TOTAL HRS. RUN	53½
COND. 1/8's T/B GAGE	2 1
GPM/ PD–PSI	/ /

MUD RECORD

TIME	1800		2300
WEIGHT	9.5		9.4
PRESSURE GRADIENT			
VISC.–SEC.	39		38
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel Pac	2 sx		
Caus	3 sx		
Soda Ash	1 sx		

FOOTAGE FROM	FOOTAGE TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PARTL–P COMPL–C
3574							1500	6½	36	6½		S

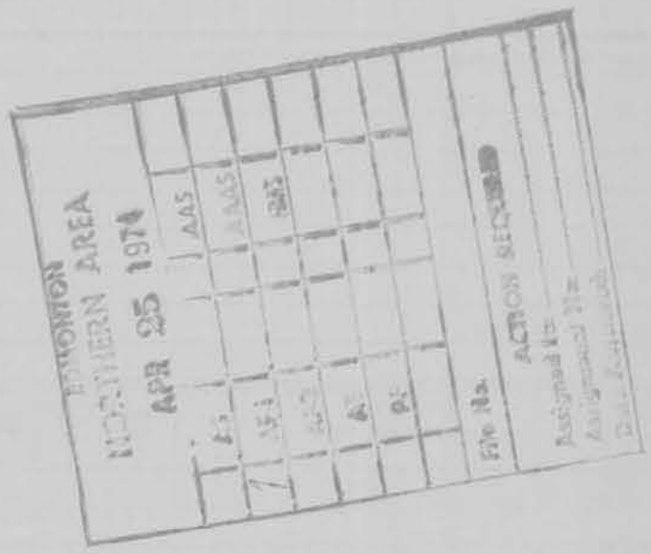
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	2400	6		Circ Gas Diverter & Pipe Ram Mix Mud

DRILLER

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

FORM 3T6 — APPROVED — APPROVED


EDMONTON
NORTHERN AREA
APR 25 1974
AAS
AAAS
BBS
ACTION REQUIRED
File No.


CONSERVATION DIVISION
APR 29 1974
YELLOWKNIFE, N.W.T.

C 23544

DAILY DRILLING REPORT

REPORT NO. 52

LEASE	WELL NO.	API WELL NUMBER	DATE
Pointed Mtn.	A-4	A-55-60-30-123-W-45	04-21-M

OPERATOR	CONTRACTOR	RIG NO.
Husky Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A. H. Foster

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8	4 1/2 H	1	1	Emsco	D-1000	14
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	13 3/8				2503		

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/4	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	7½	9½	8
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
	DEVIATION SURVEY	¼	½	
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.		½	
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	16	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/ D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	52		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
1	BIT	12¼	1,000 FT.
1			1,002
1	STB RMR	OD	FT.
1	D.C. ID	OD	FT.
1	STB RMR	OD	FT.
1	D.C. ID	OD	FT.
1	STB RMR	OD	FT.
			3,076
			242
			31½
28	STANDS DP		2672.21 FT.
2	SINGLES DP		83.32 FT.
	KELLY DOWN		27.00 FT.
	TOTAL		3331.20 FT.
WT. OF STRING		137,000	LBS.

BIT RECORD			
BIT NO.	15		
SIZE	12¼		
MFG.	Reed		
TYPE	S82-J		
JETS 1/32"	12	12	13
SER. NO.	251177		
DEPTH OUT			
DEPTH IN	3076		
TOTAL FTG.	242		
TOTAL HRS. RUN	31½		
COND. 1/8's T/B/ GAGE	4	4	I
GPM/ PD-PSI			

MUD RECORD			
TIME	1200	0400	0800
WEIGHT	9.0	9.0	9.1
PRESSURE GRADIENT			
VISC.-SEC.	40	37	37
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			6.2
pH	8.5	8.5	9.0
SOLIDS %	6.5	6.5	6.5
	Pressure Gradient		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gypsol	2 Pails		
Caustic	5 sks		
Lignite	1 sk		
Gel-Chem	2 sks		

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
1	BIT	12¼	1,000 FT.
1	6½ DC's		1,002
1	STB RMR	OD	12¼ FT.
1	D.C. ID	1 OD	9½ FT.
1	STB RMR	OD	12¼ FT.
1	D.C. ID	OD	9½ FT.
1	STB RMR	OD	12¼ FT.
			3,076
			242
			31½
28	STANDS DP		2672.21 FT.
2	SINGLES DP		83.32 FT.
	KELLY DOWN		27.00 FT.
	TOTAL		3331.20 FT.
WT. OF STRING		137,000	LBS.

BIT RECORD			
BIT NO.	15		
SIZE	12¼		
MFG.	Reed		
TYPE	S82-J		
JET 1/32"	12	12	13
SER. NO.	251177		
DEPTH OUT			
DEPTH IN	3076		
TOTAL FTG.	242		
TOTAL HRS. RUN	31½		
COND. 1/8's T/B/ GAGE	4	4	I
GPM/ PD-PSI			

MUD RECORD			
TIME	1200	0400	0800
WEIGHT	9.0	9.0	9.1
PRESSURE GRADIENT			
VISC.-SEC.	40	37	37
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			6.2
pH	8.5	8.5	9.0
SOLIDS %	6.5	6.5	6.5
	Pressure Gradient		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gypsol	2 Pails		
Caustic	5 sks		
Lignite	1 sk		
Gel-Chem	2 sks		

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
1	BIT	12¼	1,000 FT.
1	6½ DC's		1,002
2	STB RMR	OD	12¼ FT.
1	D.C. ID	OD	9½ FT.
1	STB RMR	OD	12¼ FT.
1	D.C. ID	OD	9½ FT.
1	STB RMR	OD	12¼ FT.
			3,076
			242
			31½
28	STANDS DP		2672.21 FT.
2	SINGLES DP		83.32 FT.
	KELLY DOWN		27.00 FT.
	TOTAL		3331.20 FT.
WT. OF STRING		137,000	LBS.

BIT RECORD			
BIT NO.	15		
SIZE	12¼		
MFG.	Reed		
TYPE	S82-J		
JET 1/32"	12	12	13
SER. NO.	251177		
DEPTH OUT			
DEPTH IN	3076		
TOTAL FTG.	242		
TOTAL HRS. RUN	31½		
COND. 1/8's T/B/ GAGE	4	4	I
GPM/ PD-PSI			

MUD RECORD			
TIME	1200	0400	0800
WEIGHT	9.0	9.0	9.1
PRESSURE GRADIENT			
VISC.-SEC.	40	37	37
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			6.2
pH	8.5	8.5	9.0
SOLIDS %	6.5	6.5	6.5
	Pressure Gradient		

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gypsol	2 Pails		
Caustic	5 sks		
Lignite	1 sk		
Gel-Chem	2 sks		

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PAR-EL-P COM-D-C
3252	3331	D		Gl	40	60	1000	6½	50			S
							700			6½	62	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3310	4½	X						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2001	0600	6		Drill 12¼ Hole
0600	0615	¼		Circ & Cond Mud for Survey
0615	0700	1¼		Drop Tool & Trip

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SCL-S PAR-EL-P COM-D-C
3317	3349	D			40	60	2400	6½	50			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	3310	5	X						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1100	5	2	Drilling 12¼ Hole
1100	1115	¼	15	Blow Down & Check B.P.
1115	1515	4	2	Drilling 12¼ Hole
1515	1530	¼	15	Survey
1530	1700	5½	2	Drilling 12¼ Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PAR-EL-P COM-D-C
3349	4151	D		Gl	40	66	1400	6½	50	6½	62	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	2400	8		Drilling 12¼ Hole

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23543

DAILY DRILLING REPORT

REPORT NO. 51

LEASE	WELL NO.	API WELL NUMBER	DATE
Fowler #15A	A-4	A-15-60-30-12 3-W 4th	04-20-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3½	13.30	E	4.75	4½ XH	1	1	Emsco	D-360	12
						2	Emsco	D-360	12

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
7"				3103		

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/32	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	8½	5½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		3	1
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Trip		14	½
22.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8	8½	7½

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	51		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour) — MORNING TOUR

NO.			
1	BIT 12¼	1.00	FT.
1	[illegible]	10.22	
2	STB RMR OD	10.1	FT.
1	D.C. ID OD	2.5	FT.
2	STB RMR OD	6.15	FT.
1	D.C. ID OD	1.62	FT.
1	STB RMR OD	2.62	FT.
1	[illegible]	1.00	
1	[illegible]	5.29	
1	[illegible]	2.97	
30	STANDS DP	2772.34	FT.
1	SINGLES DP	31.11	FT.
	KELLY DOWN	22.00	FT.
	TOTAL	3130.00	FT.

WT. OF STRING 116000 LBS.

BIT RECORD — MORNING TOUR

BIT NO.	15
SIZE	12¼
MFG.	Reed
TYPE	S62-J
JETS 1/32"	12 12 12
SER. NO.	615722
DEPTH OUT	3130
DEPTH IN	3070
TOTAL FTG.	110
TOTAL HRS. RUN	10
COND. 1/8's T/B/ GAGE	2 1 I
GPM/ PD–PSI	/ /

MUD RECORD — MORNING TOUR

TIME	0100	0600	0800
WEIGHT	9.1	9.1	9.1
PRESSURE GRADIENT			
VISC.–SEC.	39	41	41
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.	9.2		
pH	7.0	7.0	7.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	30	LIG	100
Caustic	1	Caustic	1
Lime	10	Soda Ash	10
Lignite	15		

FOOTAGE — MORNING TOUR

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PARL–P COM–C
3104	3130	0		26	50	40	1200	7"	120			S

DEVIATION RECORD — MORNING TOUR

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG — MORNING TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0700	0800	8		Drlg. 12¼ Hole

DRILLER

DRILLING ASSEMBLY (At end of tour) — DAY TOUR

NO.			
1	BIT 12¼	1.00	FT.
1	[illegible]	10.22	
2	STB RMR OD	10.1	FT.
1	D.C. ID OD	2.5	FT.
2	STB RMR OD	6.15	FT.
1	D.C. ID OD	1.62	FT.
1	STB RMR OD	2.62	FT.
1	[illegible]	1.00	
1	[illegible]	5.29	
1	[illegible]	2.97	
30	STANDS DP	2772.34	FT.
1	SINGLES DP	31.11	FT.
	KELLY DOWN	22.00	FT.
	TOTAL	3130.00	FT.

WT. OF STRING 116000 LBS.

BIT RECORD — DAY TOUR

BIT NO.	15
SIZE	12¼
MFG.	Reed
TYPE	S62-J
JET 1/32"	12 12 12
SER. NO.	615722
DEPTH OUT	3130
DEPTH IN	3070
TOTAL FTG.	110
TOTAL HRS. RUN	10
COND. 1/8's T/B/ GAGE	2 1 I
GPM/ PD–PSI	/ /

MUD RECORD — DAY TOUR

TIME	0100	0600	0800
WEIGHT	9.1	9.1	9.1
PRESSURE GRADIENT			
VISC.–SEC.	39	41	41
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.	9.2		
pH	7.0	7.0	7.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	30	LIG	100
Caustic	1	Caustic	1
Lime	10	Soda Ash	10
Lignite	15		

FOOTAGE — DAY TOUR

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PARL–P COM–C
3104	3130	0		26	50	40	1200	7"	120			S
3130	3143	0		Drill Collar run	50	40	1200	7"	120			S

DEVIATION RECORD — DAY TOUR

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG — DAY TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1130	3½	2	Drilling 12¼ Hole
1130	1430	3	6	Wait to Pick up Lower Drill Collars
1430	1600	1½	21	Pick up 7–6¾ Drill Collars

DRILLER

DRILLING ASSEMBLY (At end of tour) — EVENING TOUR

NO.			
1	BIT 12¼	1.00	FT.
1	[illegible]	10.22	
2	STB RMR OD	10.1	FT.
1	D.C. ID OD	2.5	FT.
2	STB RMR OD	6.15	FT.
1	D.C. ID OD	1.62	FT.
1	STB RMR OD	2.62	FT.
1	[illegible]	1.00	
1	[illegible]	5.29	
1	[illegible]	2.97	
30	STANDS DP	2772.34	FT.
1	SINGLES DP	31.11	FT.
	KELLY DOWN	22.00	FT.
	TOTAL	3130.00	FT.

WT. OF STRING 116000 LBS.

BIT RECORD — EVENING TOUR

BIT NO.	15
SIZE	12¼
MFG.	Reed
TYPE	S62-J
JETS 1/32"	12 12 12
SER. NO.	615722
DEPTH OUT	3130
DEPTH IN	3070
TOTAL FTG.	110
TOTAL HRS. RUN	10
COND. 1/8's T/B/ GAGE	2 1 I
GPM/ PD–PSI	/ /

MUD RECORD — EVENING TOUR

TIME	1700	2000	2200
WEIGHT	9.1	9.1	9.1
PRESSURE GRADIENT			
VISC.–SEC.	39	41	41
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.	9.2		
pH	7.0	7.0	7.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	30	LIG	100
Caustic	1	Caustic	1
Lime	10	Soda Ash	10
Lignite	15		

FOOTAGE — EVENING TOUR

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL–S PARL–P COM–C
3104	3130	0		26	50	40	1200	7"	120			S
3130	3143	0		Drill Collar run	50	40	1200	7"	120			S

DEVIATION RECORD — EVENING TOUR

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG — EVENING TOUR

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1	1	Rig up Rig
1700	1745	¾	14	Work Line & Work on Top Drive
1745	1800	¼	2	Drlg 12¼ Hole
1800	1830	½	10	Survey
1830	2000	1½	2	Drlg 12¼ Hole

DRILLER

C 23542

DAILY DRILLING REPORT

REPORT NO. 50

LEASE	WELL NO.	API WELL NUMBER	DATE
Fuhrer Ltd.	A-4	A-33-(10-30-12S-41-2E)	10-11-74
OPERATOR	**CONTRACTOR**		**RIG NO.**
Amoco Canada Pet. Ltd.	LOFFLAND BROTHERS COMPANY		52
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		
	J. W. Fiegle		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
3½	13.30	E	6⅜	4½ XH	1	1	Emsco	D-600	16
						2	Emsco	D-300	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13⅜				2003		

WIRE LINE RECORD REEL NO.

SIZE 1.9 | NO. LINES 10 | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	14	4½	6
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	1½	½	
6. TRIPS		4	1
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
DEVIATION SURVEY	¼	¼	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			1
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	24		

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 50

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	12¼	FT.
1	16 Drill Collars	1002	FT.
2	STB RMR OD	12 3/8	FT.
1	D.C. ID 2 1/2 OD	8	FT.
1	STB RMR OD	12 3/8	FT.
1	D.C. ID 2 1/2 OD	8	FT.
3	STB RMR OD	12 3/8	FT.
1	9 5/8 Csg	1.00	FT.
3	8" D.C.	1288	FT.
1	9 5/8 Csg	2.00	FT.
21	STANDS DP	1980.00	FT.
	SINGLES DP		FT.
	KELLY DOWN	21.00	FT.
	TOTAL	3056.00	FT.

WT. OF STRING 119000 LBS.

BIT RECORD

BIT NO.	14
SIZE	12¼
MFG.	Smith
TYPE	F62J
JETS 1/32"	12 12 12
SER. NO.	PJ5674
DEPTH OUT	
DEPTH IN	2077
TOTAL FTG.	979
TOTAL HRS. RUN	63
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	0100	0300		
WEIGHT	87	87		
PRESSURE GRADIENT				
VISC.-SEC.	38	40		
PV/YP	/	/	/	
GELS.	/	/	/	
WL.-CC'S.				
pH	9.0	9.0		
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	3 sx		
Caustic	1 sx		
Drispac	1 sx		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	12¼	FT.
1	Lo-Torq Motor	16.62	FT.
2	STB RMR OD	12 3/8	FT.
1	D.C. ID 2 1/2 OD	8	FT.
2	STB RMR OD	12 3/8	FT.
1	D.C. ID 2 1/2 OD	8	FT.
1	STB RMR OD	12 3/8	FT.
30	5" H.W.D.P.	923.40	FT.
1	5" Jar	30.00	FT.
2	5" H.W.D.P.	61.80	FT.
21	STANDS DP	2025.60	FT.
	SINGLES DP		FT.
	KELLY DOWN	41.00	FT.
	TOTAL	3056.00	FT.

WT. OF STRING 114000 LBS.

BIT RECORD

BIT NO.	14
SIZE	12¼
MFG.	Reed
TYPE	S33J
JETS 1/32"	12 12 12
SER. NO.	PJ5674
DEPTH OUT	3071
DEPTH IN	3056
TOTAL FTG.	994
TOTAL HRS. RUN	69¼
COND. 1/8's T/B/ GAGE	2 2 I
GPM/ PD-PSI	

MUD RECORD

TIME	0800	1000		
WEIGHT	9.0	9.1		
PRESSURE GRADIENT				
VISC.-SEC.	40	38		
PV/YP	/	/	/	
GELS.	/	/	/	
WL.-CC'S.				
pH	9.5	9.5		
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
X-Pol-P	5	Lime	5

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	12¼	FT.
1	Lo-Torq Motor	16.62	FT.
2	STB RMR OD	12 3/8	FT.
1	D.C. ID 2 1/2 OD	8	FT.
2	STB RMR OD	12 3/8	FT.
1	D.C. ID 2 1/2 OD	8	FT.
1	STB RMR OD	12 3/8	FT.
30	5" H.W.D.P.	923.40	FT.
1	5" Jar	30.00	FT.
2	5" H.W.D.P.	61.80	FT.
21	STANDS DP	2025.60	FT.
	SINGLES DP		FT.
	KELLY DOWN	41.00	FT.
	TOTAL	3056.00	FT.

WT. OF STRING 114000 LBS.

BIT RECORD

BIT NO.	15
SIZE	12¼
MFG.	Reed
TYPE	S33J
JETS 1/32"	12 12 12
SER. NO.	PJ5677
DEPTH OUT	
DEPTH IN	3071
TOTAL FTG.	31
TOTAL HRS. RUN	6
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME	1000	2100		
WEIGHT	9.1	9.1		
PRESSURE GRADIENT				
VISC.-SEC.	38	41		
PV/YP	/	/	/	
GELS.	/	/	/	
WL.-CC'S.				
pH	9.0	9.0		
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	3 sx		
Caustic	1 sx		
Drispac	1 sx		

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL.-S PAR.FL.-P COM'D-C
2997	3056	D		Sh	50	40	1700	6½	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3005	¾	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0030	½		Drlg 12¼ Hole
0030	0100	½		Circ & Condition Mud for Trip
0100	0230	1½		POOH
0230	0300	½		Run Thru Stabilizer & Ream Key

DRILLER

DAY TOUR

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL.-S PAR.FL.-P COM'D-C
3056	3076	D		Sh	50	40	1500	6¾	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3076	1¼	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0015	¼	1	Drilling 12¼ Hole
0015	0045	½	5	Circ Trip Mud Pump & Pit Rotate
0045	1245	12	1	Drilling 12¼ Hole
1245	1300	¼	10	Survey
1300	1500	2	6	Short Trip to 9 5/8 @ 2976'
1500	1530	½	6	Circ & Pump Rubber Dart & Recip Pipe
1530	1600	½	1	Run in Hole

DRILLER

EVENING TOUR

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL.-S PAR.FL.-P COM'D-C
3076	3108	D		Sh	50	40	1600	6¾	50	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1	1	Run in Hole to 15
1700	1730	½	5	Circ & Cond Mud for Trip
1730	1745	¼	3	Drilling 12¼ Hole
1745	1815	½	5	Circ Trip Gas Check & Pull Rot.
1815	2400	5½	3	Drilling 12¼ Hole

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23541

DAILY DRILLING REPORT REPORT NO. 41

LEASE	WELL NO.	API WELL NUMBER	DATE
Pan-Z Area A-4	A-4	A-55-(CO-30-12-3-W-45)	04-14-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	L. J. Fowler

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 3/4	4 1/2 IF	1	1	Emsco	D-700	18
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

SIZE 1 3/8 | NO. LINES 10 | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
13 3/8				2003		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6	7 3/4	9
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		1/4	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	6	7 3/4	9

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	41
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12 1/4	100 FT.	BIT NO.	14	TIME	0100	0900	0600
1	Cowking 10x12		SIZE	12 1/4	WEIGHT	7.6	8.	8.8
2	STB RMR OD	12.01 FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	2.81 FT.	TYPE	S12J3	VISC.-SEC.	43	42	41
1	STB RMR OD	30.78 FT.	JETS 1 32"	12 12 12	PV/YP	/	/	11/12
1	D.C. ID OD	9.42 FT.	SER. NO.	91174	GELS.	/	/	/
3	STB RMR OD	83.72 FT.	DEPTH OUT		WL -CC'S.			9.0
1	12 3/4	1.45	DEPTH IN	2577	pH	10	10	10
2	12 1/4	22.60 FT.	TOTAL FTG.	303	SOLIDS %			
1	12 3/4	2.45	TOTAL HRS. RUN	43	H2O 4 Gel Lime			
27	STANDS DP	2477.52 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	31.87 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	12.00 FT.			Kwik-Seal	4 sks		
	TOTAL	2721.00 FT.			Gyp-Mud	2 sks		
WT. OF STRING	110,000 LBS.				Lime	8 sks		
					Caustic	1 sk		

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12 1/4	1.00 FT.	BIT NO.	14	TIME	1600	1900	1530
1	12 1/4 Reamer	10.03	SIZE	12 1/4	WEIGHT	9.0	9.1	9.2
2	STB RMR OD	12.07 FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	2.81 FT.	TYPE	S12J3	VISC.-SEC.	44	42	35
1	STB RMR OD	30.78 FT.	JET 1/32"	12 12 12	PV/YP	/	/	/
1	D.C. ID OD	9.42 FT.	SER. NO.	91174	GELS.	/	/	/
3	STB RMR OD	83.72 FT.	DEPTH OUT		WL -CC'S.			9.2
1	12 3/4	1.45	DEPTH IN	2577	pH	10	10	10
2	12 1/4	22.60 FT.	TOTAL FTG.	366	SOLIDS %			
1	12 3/4	2.45	TOTAL HRS. RUN	49¼				
27	STANDS DP	2573.07 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	31.87 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	13.00 FT.			Kwik-Seal	4 sks		
	TOTAL	2755.39 FT.			Gyp-Mud	2 sks		
WT. OF STRING	110,000 LBS.				Lime	8 sks		
					Caustic	1 sk		

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12 1/4	1.00 FT.	BIT NO.	14	TIME	2100	2400	2230
1	12 1/4 Reamer	10.03	SIZE	12 1/4	WEIGHT	9.2	9.0	9.0
2	STB RMR OD	12.07 FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	2.81 FT.	TYPE	S12J3	VISC.-SEC.	38		
1	STB RMR OD	30.78 FT.	JETS 1/32"	12 12 12	PV/YP	/	/	/
1	D.C. ID OD	9.42 FT.	SER. NO.	91174	GELS.	/	/	/
3	STB RMR OD	83.72 FT.	DEPTH OUT		WL -CC'S.			9.2
1	12 3/4	1.45	DEPTH IN	2577	pH	10	10	10
2	12 1/4	22.60 FT.	TOTAL FTG.	402	SOLIDS %			
1	12 3/4	2.45	TOTAL HRS. RUN	56 ¾				
27	STANDS DP	2573.07 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	31.87 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	13.00 FT.			Kwik-Seal	4 sks		
	TOTAL	2755.39 FT.			Gyp-Mud	2 sks		
WT. OF STRING	112,000 LBS.				Lime	8 sks		
					Caustic	1 sk		

EVENING TOUR

FOOTAGE / FORMATION

FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PARTL-P COM'D-C
2847	2900	D		51	50	40	1900	6 1/4	50			S
										6 1/4		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0900	9		Drlg 12¼ Hole

DRILLER

FOOTAGE / FORMATION

FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PARTL-P COM'D-C
2900	2965	D			50	40	1900	6¼	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2911	4 1/4	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	1100	6	2	Drlg 12¼ Hole
1100	1115	¼	10	Survey
1115	1600	4 3/4	2	Drlg

DRILLER

FOOTAGE / FORMATION

FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SCL-S PARTL-P COM'D-C
2965	2999	D		44	50	40	1900	6¼	50	6¼		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1900	3		Drlg 12¼ Hole

DRILLER

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

FORM 3T6 APPROVED APPROVED

C 23540

DAILY DRILLING REPORT

REPORT NO. 42

LEASE	WELL NO.	API WELL NUMBER	DATE
Fowler West	A-4	A-33-10-30-12300 4	04-17-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Production Co	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
T. M. Campbell	L. Pool

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 I.F.	1	1	Emsco	D-1000	12
						2	Emsco	D-700	12

LEGAL LAND DESCRIPTION: Unit Ltr. G Sec. 1-T

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	13 3/8				293		

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF: | PRESENT LENGTH:

TON MI. OR TRIPS SINCE LAST CUT:

CUMULATIVE TON MI. OR TRIPS:

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	8	7½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			½
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8½

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	42		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12¼	1.00 FT.	BIT NO.	14	TIME	2100	0600
1		10.02	SIZE	12¼	WEIGHT	9.1	9.1
2	STB RMR OD	6.07 FT.	MFG.	Reed	PRESSURE GRADIENT		
1	D.C. ID OD	2.28 FT.	TYPE	S62-F	VISC.-SEC.	46	44
1	STB RMR OD	30.18 FT.	JETS 1/32"	12 12 12	PV/YP	1/1	1/1
1	D.C. ID OD	1.42 FT.	SER. NO.	215074	GELS	1/1	1/1
3	STB RMR OD	92.22 FT.	DEPTH OUT		WL -CC'S		
1		1.05	DEPTH IN	2517	pH	10	10
2	27	2.16	TOTAL FTG.	102	SOLIDS %		
1		2.05	TOTAL HRS. RUN	17½			
23	STANDS DP	2131.91 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	61.71 FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING	108000	LBS.					

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
2677	2731	D	2		50	40	1300	6½	42	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6		Drlg 12¼ Hole

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12¼	FT.	BIT NO.	14	TIME	0600	1800
1			SIZE	12¼	WEIGHT	9.1	9.1
2	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT		
1	D.C. ID OD	FT.	TYPE	S62-F	VISC.-SEC.	46	42
1	STB RMR OD	FT.	JET 1/32"	12 12 12	PV/YP	1/1	1/1
1	D.C. ID OD	FT.	SER. NO.	215074	GELS	1/1	1/1
3	STB RMR OD	FT.	DEPTH OUT		WL -CC'S		
			DEPTH IN	2517	pH	10	10
			TOTAL FTG.	115	SOLIDS %		
			TOTAL HRS. RUN	17½			
	STANDS DP	FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL.-S PARL.-P COM.-C
2739	2776	D			50	40	1250	6½	50			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1000	4		Drlg 12¼ Hole

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12¼	FT.	BIT NO.	14	TIME	2100	2300
1		10.10	SIZE	12¼	WEIGHT	9.1	9.1
2	STB RMR OD	6.07 FT.	MFG.	Reed	PRESSURE GRADIENT		1300
1	D.C. ID OD	2.28 FT.	TYPE	S62-F	VISC.-SEC.	45	43
1	STB RMR OD	30.18 FT.	JETS 1/32"	12 12 12	PV/YP	1/1	10/1
1	D.C. ID OD	1.42 FT.	SER. NO.	215074	GELS	1/1	4/11
3	STB RMR OD	92.22 FT.	DEPTH OUT		WL -CC'S		7.0
1		1.05	DEPTH IN	2517	pH	10	10
2	27	2.16	TOTAL FTG.	232	SOLIDS %		7.5
1		2.05	TOTAL HRS. RUN	3½			1
24	STANDS DP	2424.21 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	60.84 FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE AMT.
	KELLY DOWN	39.32 FT.					
	TOTAL	2524.37 FT.					
WT. OF STRING	120000	LBS.					

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
2775	2847	D			50	40	1300	6½	50	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2847	¾							

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2030	4½		Drlg 12¼ Hole
2030	2045	½		Circ & Cond Mud for Trip
2045	2400	3¼		Drlg 12¼ Hole

DRILLER


APR 29 1974
YELLOWKNIFE, N.W.T.

C 23539

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

O.D. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER							

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.		TIME				
1			SIZE		WEIGHT				
2	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
1	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
1	STB RMR OD	FT.	JETS 1/32"		PV/YP				
1	D.C. ID OD	FT.	SER. NO.		GELS.				
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.		TIME				
1			SIZE		WEIGHT				
2	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
1	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
1	STB RMR OD	FT.	JET 1/32"		PV/YP				
1	D.C. ID OD	FT.	SER. NO.		GELS.				
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.		TIME				
1			SIZE		WEIGHT				
2	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
1	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
1	STB RMR OD	FT.	JETS 1/32"		PV/YP				
1	D.C. ID OD	FT.	SER. NO.		GELS.				
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
APR 29 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23538

DAILY DRILLING REPORT

REPORT NO. 41

LEASE	WELL NO.	API WELL NUMBER	DATE
Dennis Johnston	A-4	A-55-6-20-12E-NW	6-15-54

OPERATOR	CONTRACTOR	RIG NO.
Ohio Oil Co.	LOFFLAND BROTHERS COMPANY	12

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

LEGAL LAND DESCRIPTION: Ohio Oil Co. Dennis Johnston A-4

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.5	E	6 5/8	OH	1	1	Emsco	D-375	12
						2	Emsco	D-375	12

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
10	[illegible]	40.5	6	253		243
	1955	11.60				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/8	12	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL		22	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		2½	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.		1½	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. [illegible]		4	24
			24
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS		8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			16
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1	RIT 9x3	4.12	
1	STB RMR OD	29.45	FT.
6	D.C. ID OD	176.77	FT.
1	STB RMR OD	1.45	FT.
2	D.C. ID OD	59.65	FT.
2	STB RMR OD	59.95	FT.
1	Cr	2.47	
92	STANDS DP	2981.52	FT.
1	SINGLES DP	31.41	FT.
	KELLY DOWN	37.00	FT.
	TOTAL	3401.00	FT.
WT. OF STRING	110,000		LBS.

BIT RECORD

BIT NO.	13
SIZE	12¼
MFG.	Smith
TYPE	K24
JETS 1/32"	12 12 12
SER. NO.	T-232
DEPTH OUT	
DEPTH IN	2203
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B GAGE	
GPM/ PD–PSI	/ /

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bicar	600		

FOOTAGE

FROM	TO	DR.,D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PART'L–P COM'PL–C
3543					40		400	6½		6½	62	C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	6:30	½		Pressure Tested Lines to 2000 psi Ok
6:30	8:00	1½		Circ. Bottom Up. Wait on Orders
8:00	10:00	2		Pick up 2½" A.E.U. 2 Jts to 3525. Tag Cement
10:00	2:30	4		Drill Cement & Shoe Joint

DRILLER [illegible]

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1	RIT 9x3	4.12	
1	STB RMR OD	29.60	FT.
6	D.C. ID OD	176.77	FT.
1	STB RMR OD	1.45	FT.
2	D.C. ID OD	59.65	FT.
2	STB RMR OD	59.95	FT.
1	Cr	2.47	
93	STANDS DP	3033.52	FT.
1	SINGLES DP	31.41	FT.
	KELLY DOWN	37.00	FT.
	TOTAL	3443.00	FT.
WT. OF STRING	110,000		LBS.

BIT RECORD

BIT NO.	13
SIZE	12¼
MFG.	Smith
TYPE	K24
JET 1/32"	12 12 12
SER. NO.	T-232
DEPTH OUT	
DEPTH IN	2203
TOTAL FTG.	20
TOTAL HRS. RUN	3½
COND. 1/8's T/B GAGE	1 4 I
GPM/ PD–PSI	/ /

MUD RECORD

TIME	7:00	3:00	
WEIGHT	9.0	9.0	
PRESSURE GRADIENT			
VISC.–SEC.	34		
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			8.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Bicar	200 lbs		
Gel	10 sks		
Caus	3 sks		
Lime	1 sk		

FOOTAGE

FROM	TO	DR.,D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PART'L–P COM'PL–C
3503	3523	D		20	50	15	1350	6½		6½	62	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1015	2½		Drill out Cement & Shoe
10:15	11:15	1		Clean Out Junction Tank
11:15	1200	¾		Dress 12¼ Hole
1200	1345	1¾		Build Volume
1345	1500	1¼		Drill 12¼ Hole
1500	1515	¼		Test Fire. Ground Test
1515	1600	¾		Dress Hole.

DRILLER [illegible]

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12¼	1.00	FT.
1	RIT 9x3	4.12	
1	STB RMR OD	29.60	FT.
6	D.C. ID OD	176.77	FT.
1	STB RMR OD	1.45	FT.
2	D.C. ID OD	59.65	FT.
2	STB RMR OD	59.95	FT.
1	Cr	2.47	
93	STANDS DP	3033.52	FT.
2	SINGLES DP	31.41	FT.
	KELLY DOWN	37.00	FT.
	TOTAL	3443.00	FT.
WT. OF STRING	110,000		LBS.

BIT RECORD

BIT NO.	13
SIZE	12¼
MFG.	Smith
TYPE	K24
JETS 1/32"	12 12 12
SER. NO.	T-232
DEPTH OUT	
DEPTH IN	2503
TOTAL FTG.	71
TOTAL HRS. RUN	11½
COND. 1 8's T/B GAGE	
GPM/ PD–PSI	/ /

MUD RECORD

TIME	7:00	11:00	
WEIGHT	9.0	9.2	
PRESSURE GRADIENT			
VISC.–SEC.	35	42	
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	9.5	10.5	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.,D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.–S PART'L–P COM'PL–C
3523	3579	D			50	15	1350	6½		6½	62	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	9:00			Dress 12¼ Hole

DRILLER [illegible]

FORM 3T6

APPROVED

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23537

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Burton Mountain	A-4	15-56-20-24-W6	04-14-74

OPERATOR	CONTRACTOR	RIG NO.
Davis Oil Co.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Gaudet

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.5#	E	6½	NC50	1	1	Emsco	D-800	18
						2	Emsco	D-500	12

LEGAL LAND DESCRIPTION: Burton Mountain A-4

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20		94 H	6	253		243
		USS	40				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			4
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.	5	8	10
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. NPDW	3		2
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8		8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 45

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.

BIT		FT.
STB RMR OD		FT.
D.C. ID OD		FT.
STB RMR OD		FT.
D.C. ID OD		FT.
STB RMR OD		FT.
STANDS DP		FT.
SINGLES DP		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	10		
SIZE	12¼		
MFG.	Smith		
TYPE	S44		
JETS 1/32"	12	12	12
SER. NO.	JF 252		
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T.B. GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
2503								6½		6¼		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0300	3		Well on 24 hr C.O. & Wt & pressure test to 3000 30
0300	0800	5		Nipple up B.O.P.

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.

BIT		FT.
STB RMR OD		FT.
D.C. ID OD		FT.
STB RMR OD		FT.
D.C. ID OD		FT.
STB RMR OD		FT.
STANDS DP		FT.
SINGLES DP		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T.B. GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
2503								6½		6¼		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8		Nipple up B.O.P.

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.

BIT		FT.
STB RMR OD		FT.
D.C. ID OD		FT.
STB RMR OD		FT.
D.C. ID OD		FT.
STB RMR OD		FT.
STANDS DP		FT.
SINGLES DP		FT.
KELLY DOWN		FT.
TOTAL		FT.
WT. OF STRING		LBS.

BIT RECORD

BIT NO.	4		
SIZE	12¼		
MFG.	Smith		
TYPE	S44		
JETS 1/32"	10	10	10
SER. NO.	JF 252		
DEPTH OUT	1003		
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T.B. GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.D RM-R CORE.C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL-S PAR'EL-P COM'D-C
2503												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2300	7		Nipple up B.O.P.
2300	2400	1		[illegible]
0001	0600	6		[illegible]

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23536

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PARL–P COM–C
2503								6¾		6¾		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0230	2½		RUN IN HOLE CEMENTED 5 JTS 6 5/8
0230	0730	5		CIRC.
0730	0900	1½		CEMENT CSG.
0900	0930	½		W.O.C.

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL–S PARL–P COM–C
2503												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8		W.O.C.

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PARL–P COM–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1730	1½		W.O.C.
1730	1930	2		CUT OFF CSG.

DRILLER

C 23535

DAILY DRILLING REPORT REPORT NO. 43

LEASE	WELL NO.	API WELL NUMBER	DATE
COASTAL MIGRATION	A-4	A-55-06-36-129-W45	24-12-74

OPERATOR	CONTRACTOR	RIG NO.
COASTAL CORPORATION	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Lonnie Arnold	Al Burchett

LEGAL LAND DESCRIPTION: PUMPER ANCHORAGE 3-5S

WIRE LINE RECORD REEL NO.

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	NC50	1	1	EMSCO	D-375	15
						2	EMSCO	D-700	16

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
9⅝		36 K	6	257		263
	USS	11.46				

WIRE LINE RECORD: SIZE 1⅜ | NO. LINES 14 | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	2		
6. TRIPS	1½		2
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¾		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT		6	5
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER	½	2	1
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	43		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	12¼	FT.
1		8½	
1	STB RMR OD	12	FT.
1	D.C. ID OD	8¼	FT.
1	STB RMR OD	12	FT.
1	D.C. ID OD	8¼	FT.
5	STB RMR OD	12	FT.
1		12¼	
3		8½	
2		8¼	
22	STANDS DP	5"	FT.
2	SINGLES DP	5"	FT.
	KELLY DOWN	5"	FT.
	TOTAL	5"	FT.
WT. OF STRING	165,000		LBS.

BIT RECORD

BIT NO.	4		
SIZE	12¼		
MFG.	HTC		
TYPE	OWV		
JETS 1/32"	12	12	12
SER. NO.	6PW		
DEPTH OUT	2503		
DEPTH IN	2503		
TOTAL FTG.	2503		
TOTAL HRS. RUN	24		
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARAL.-P COMPD.-C
2503							100	6¾	115	6¾	115	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0730	7½		TRIP IN HOLE
0730	0830	1		CIRC. MUD CLEAN
0830	0930	1		RUN MULTISHOT SURVEY OUT OF HOLE
0930	1030	1		BREAK DOWN TOOLS & RIG FOR CASING

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARAL.-P COMPD.-C
2503								6¾		6¾		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0730	1000	2		Rigging Up Crew & Run Casing (9⅝ 36# K-55 ST&C)
1000				Wash On Front Joint Circulate Casing Reciprocate
	1600	6		Casing

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARAL.-P COMPD.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2100	5		Running Casing
2100	2200	1		Circulate Casing & Rig Down Casing Crew
2200	0000	2		Rig Up & Cement Casing as Follows:

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23534

DAILY DRILLING REPORT

REPORT NO. 42

LEASE	WELL NO.	API WELL NUMBER	DATE
[illegible] MOUNTAIN	A-2	A-56-16-30-123-W16	04-11-74

OPERATOR	CONTRACTOR	RIG NO.
[illegible]	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	[illegible]	E	[illegible]	[illegible]		1	[illegible]	[illegible]	16
						2	[illegible]	[illegible]	16

LEGAL LAND DESCRIPTION [illegible]

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	8 5/8	[illegible]	24	6	253		248
		USS	11.6				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/8	4	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	5	9	10
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			2
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			1/4
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. PUMP			3
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	9	3	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	42		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
1	BIT	FT.	BIT NO.	9			TIME	0700			
2			SIZE	12¼			WEIGHT	9.5+			
1	STB RMR OD	FT.	MFG.	HTC			PRESSURE GRADIENT				
1	D.C. ID OD	FT.	TYPE	XDT			VISC.-SEC.	41			
1	STB RMR OD	FT.	JETS 1/32"				PV/YP	/	/	/	
5	D.C. ID OD	FT.	SER. NO.	[illegible]			GELS	/	/	/	
1	STB RMR OD	FT.	DEPTH OUT				WL -CC'S				
3			DEPTH IN	2402			pH				
1			TOTAL FTG.				SOLIDS %				
			TOTAL HRS. RUN	15							
21	STANDS DP	FT.	COND. 1/8's T/B GAGE				MUD & CHEMICALS ADDED				
2	SINGLES DP	FT.	GPM/ PD-PSI		/	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.					Lime	1			
	TOTAL	FT.									
WT. OF STRING		LBS.									

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
1	BIT	FT.	BIT NO.	RR	1		TIME	1000	1100		
			SIZE	12¼			WEIGHT	9.3	9.3		
1	STB RMR OD	FT.	MFG.	STC			PRESSURE GRADIENT				
1	D.C. ID OD	FT.	TYPE	XDT			VISC.-SEC.	32	32		
1	STB RMR OD	FT.	JET 1/32"	18	18	14	PV/YP	/	/	/	
5	D.C. ID OD	FT.	SER. NO.	[illegible]			GELS	/	/	/	
1	STB RMR OD	FT.	DEPTH OUT	2402			WL -CC'S				
20			DEPTH IN	2410			pH	9.5	9.5	10	
7			TOTAL FTG.	92			SOLIDS %				
1			TOTAL HRS. RUN	23							
22	STANDS DP	FT.	COND. 1/8's T/B GAGE				MUD & CHEMICALS ADDED				
2	SINGLES DP	FT.	GPM/ PD-PSI		/	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.					Lime	200	Mud		
	TOTAL	FT.									
WT. OF STRING	121,000	LBS.									

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
1	BIT	FT.	BIT NO.	1	1		TIME				
			SIZE	12¼	12¼		WEIGHT				
1	STB RMR OD	FT.	MFG.	STC			PRESSURE GRADIENT				
1	D.C. ID OD	FT.	TYPE	XDT			VISC.-SEC.				
1	STB RMR OD	FT.	JETS 1/32"	18	18	14	PV/YP	/	/	/	
5	D.C. ID OD	FT.	SER. NO.	[illegible]			GELS	/	/	/	
1	STB RMR OD	FT.	DEPTH OUT	2503			WL -CC'S				
20			DEPTH IN	2402			pH				
7			TOTAL FTG.	101			SOLIDS %				
1			TOTAL HRS. RUN	23							
22	STANDS DP	FT.	COND. 1/8's T/B GAGE				MUD & CHEMICALS ADDED				
2	SINGLES DP	FT.	GPM/ PD-PSI		350	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.									
	TOTAL	FT.			672 Hrs.						
WT. OF STRING		LBS.									

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
2122	2406	D		[illegible]	45	50	600	6	45	6	45	P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0500	5		Drilling [illegible]

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
2406	2474	D		28	45	50	1600	6	45	6	45	P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0400	1100	5		Drlg 192 Hrs

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
2474	2503	D	1		45	50	1600	6	45	6	45	P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2503	5°	X						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1815	7¼		Drlg 17¼ Hrs
1815	1830	¼		Drop Survey
1830	2030	2		Hook

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23533

DAILY DRILLING REPORT REPORT NO. 41

LEASE	WELL NO.	API WELL NUMBER	DATE
Sinclair Mountain	A-4	A-55-16-30-123-W5	6/24/74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	12

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A. Lushaw

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	NC50	1	1	Emsco	D-375	16
						2	Emsco	D-375	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	[illegible]	USS	91 S1	6	253		243
	20		94 H40				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/32	16	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			7
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	12		
6. TRIPS	24	12	12
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¼		
11. WIRE LINE LOGS	12	6½	
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.	½		½
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8		8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	41
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.	9	TIME	0001			
2			SIZE	7 7/8	WEIGHT	9.5			
1	STB RMR OD	FT.	MFG.	REED	PRESSURE GRADIENT	.495			
1	D.C. ID OD	FT.	TYPE	HP43	VISC.-SEC.	61			
1	STB RMR OD	FT.	JETS 1 32"	18 18 18	PV/YP	/	/	/	
5	D.C. ID OD	FT.	SER. NO.	916560	GELS.	/	/	/	
1	STB RMR OD	FT.	DEPTH OUT	2402	WL.-CC'S.				
30	STANDS DP	FT.	DEPTH IN	0153	pH				
2	SINGLES DP	FT.	TOTAL FTG.	249	SOLIDS %				
1	KELLY DOWN	FT.	TOTAL HRS. RUN	35¼					
	TOTAL	FT.	COND. 1/8's T/B GAGE	2 2 I/4	MUD & CHEMICALS ADDED				
WT. OF STRING		LBS.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.	
					GEL	15 SXS			
					GELEX	3 SXS			

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.	7	TIME				
			SIZE	7 7/8	WEIGHT				
	STB RMR OD	FT.	MFG.	[illegible]	PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE	X73J	VISC.-SEC.				
	STB RMR OD	FT.	JET 1/32"	18 18 18	PV/YP	/	/	/	
5	D.C. ID OD	FT.	SER. NO.	916560	GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN	2402	pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.	[illegible]	TIME	1750	1		2100
2			SIZE	7 7/8	WEIGHT	12.5	9.3		4.3
1	STB RMR OD	FT.	MFG.	[illegible]	PRESSURE GRADIENT				.465
1	D.C. ID OD	FT.	TYPE	X73J	VISC.-SEC.	45	60		57
1	STB RMR OD	FT.	JETS 1/32"	18 18 18	PV/YP	/	/	/	
5	D.C. ID OD	FT.	SER. NO.	916560	GELS.	/	/	/	
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
3			DEPTH IN	2402	pH		9.2		8.0
2			TOTAL FTG.	31	SOLIDS %				
			TOTAL HRS. RUN	7					
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

DAY TOUR

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'PL.-C
2402							1100	6¼	68	6¼		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	240	5°							

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0230	2½		Circ & condition mud mud wt. 9.5 vis 61
0230	0245	¼		Pump slug
0245	0730	4¾		Drill 7 7/8 hole from 2402 to 2402 T.D.
0730	0830	1		Circ hole clean for short trip
0830	0930	1		Short trip 10 stds no fill
0930	0945	¼		Circ for logs
0945	1130	1¾		Run Schl. Log - T.D. 2402

DRILLER

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'PL.-C
2402								6¼		6¼		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1430	6½		Run U.B.S. & D.C.'s + Survey Log
1430	1600	1½		Rig up to run 5" D.P. + Survey Log

DRILLER

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'PL.-C
2402	2433	31'			45	50	1100	6¾	45	6¼	44	P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1130	½		Finish Running Log
1630	1700	½		W.I.H. Tag Btm @ 2402 (No Fill)
1700				Drlg 17½ hrs.

DRILLER

EDMONTON
NORTHERN AREA
APR 18 1974
AS
AF-1
AF-2
AE
PF
665
AAAS
FMS
File No.
ACTION REQUIRED
Assigned to:
Assignment No:
Date Answered:

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
APR 29 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23532

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.–SEC.				
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD–PSI	/	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.	9	TIME	0800	1100	1430	
			SIZE	17½	WEIGHT	8.5+	8.8	8.8	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.–SEC.	45	45	45	
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD–PSI	/	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.	9	TIME	1200	1900	2300	
			SIZE	17½	WEIGHT	8.9	9.1	9.3	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.–SEC.	53	55	52	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD–PSI	/	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.							
	TOTAL	FT.							
	WT. OF STRING	LBS.							

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR–P COM–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR–P COM–C
2316	2402	37			45	50	1200	6¾	41	6¾	48	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0730	1½		
0730	1100	3½		
1100	1700	6		
1700	1800	1		

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.–D RM–R CORE–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR–P COM–C
2402					45		1200	6¾	41	6¾	48	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	2400	6		

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM



C - 23531

DAILY DRILLING REPORT

REPORT NO. 37

LEASE	WELL NO.	API WELL NUMBER	DATE
Foster M Fee	2-2	42-165-32	6-27-82

OPERATOR	CONTRACTOR	RIG NO.
Atlantic Richfield Co	LOFFLAND BROTHERS COMPANY	1

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
L. Capelle	M Lockhart

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.5	E	6 5/8	XH	1	1	Oilwell	A-700	12
						2	Emsco	D-700	12

LEGAL LAND DESCRIPTION: Section 4, Block 43, H&TC RR Co Survey, Howard County, Texas

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20	USS	94 H	4	350		342
			40 K				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/32	12	

FT. CUT OFF: | PRESENT LENGTH:

TON MI. OR TRIPS SINCE LAST CUT:

CUMULATIVE TON MI. OR TRIPS:

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	5	1	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	37		
CUMULATIVE ROTATING HRS.	1330		
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD

TIME	7:00	20	
WEIGHT	9.4		
PRESSURE GRADIENT	.490		
VISC.-SEC.	50		
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COMP.-C
9357				Yates Clastic & Dolo								
				Seven Rivers Clastic & Dolo								
				Queen Clastic & Dolo								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
7:00	8:30	1½		Check For Flow Lay Down Kelly
8:30	9:30	1		Run 4 Jts 5" HWDP
9:30	10:45	1¼		Run 4 Drill Collars & Shock
10:45	11:30	¾		Hook Swivel
				Run In Hole

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 7 7/8	2.46	FT.
2	6 DC	180	
	STB RMR OD	6.43	FT.
3	D.C. ID 6 1/4 OD	31.20	FT.
4	STB RMR OD	6.42	FT.
5	D.C. ID 6 1/4 OD	31.03	FT.
	STB RMR OD	3.05	FT.
3	3 DC	94.05	
2	2 DC	57.71	
1	1 DC	29.05	
7	STANDS DP	644.15	FT.
1	SINGLES DP	29.58	FT.
	KELLY DOWN	40.23	FT.
	TOTAL	1,000.00	FT.
	WT. OF STRING	120,000	LBS.

BIT RECORD

BIT NO.	9		
SIZE	7 7/8		
MFG.	REED		
TYPE	S32-J		
JET 1/32"	18 18 18		
SER. NO.	814960		
DEPTH OUT	2153		
DEPTH IN			
TOTAL FTG.	2153		
TOTAL HRS. RUN	37.5		
COND. 1/8's T/B/ GAGE	1-1		
GPM/ PD-PSI	450		

MUD RECORD

TIME		1330	
WEIGHT		9.8	
PRESSURE GRADIENT		.455	
VISC.-SEC.		83	
PV/YP	/	14 / 23	/
GELS	/	12 / 16	/
WL -CC'S			
pH		8.5	
SOLIDS %		3.75	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COMP.-C
9357					35	3/3	1200	6½	41	6½	43	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
7:00	9:00	2		Finish In To 7:52
9:00	9:45	¾		Baker Core #720 & Circulate Bottoms Up
9:45	11:00	1¼		Clean Out Rathole & Core 7:52 — 11:05

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 7 7/8	1.15	FT.
1	1 DC	30.00	
	STB RMR OD	6.43	FT.
3	D.C. ID 6 1/4 OD	94.20	FT.
	STB RMR OD	6.42	FT.
2	D.C. ID 6 1/4 OD	62.03	FT.
	STB RMR OD	3.05	FT.
3	3 DC	94.05	
2	2 DC	57.71	
1	1 DC	29.05	
7	STANDS DP	644.15	FT.
1	SINGLES DP	29.58	FT.
	KELLY DOWN	40.23	FT.
	TOTAL	1,000.00	FT.
	WT. OF STRING	120,000	LBS.

BIT RECORD

BIT NO.	7		
SIZE	7 7/8		
MFG.	REED		
TYPE	S32-J		
JETS 1/32"	18 18 18		
SER. NO.	814960		
DEPTH OUT	2153		
DEPTH IN	1000		
TOTAL FTG.	1153		
TOTAL HRS. RUN	20.5		
COND. 1/8's T/B/ GAGE	1-1		
GPM/ PD-PSI	450		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COMP.-C
9357												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
11:00	12:00	1		Clean Out Rathole — 1076

DRILLER

C 23530

DAILY DRILLING REPORT

REPORT NO. 32

LEASE	WELL NO.	API WELL NUMBER	DATE
Fenton Unit	A-4	43-013-30178-0000	04-02-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Production Co.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Lynn Goode	Al Lunsford

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	7 1/4	NC50	1	1	Emsco	D-700	18"
						2	Emsco	D-700	18"

LEGAL LAND DESCRIPTION: Section 14 T 41 S R 25 E Salt Lake Meridian, San Juan County, Utah

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20"	U.S.	94 H	1	233		240
			40 H				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	4½	14	
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE	3/4		
6. TRIPS	3½	5½	8½
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¼		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER	2½	2½	
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	15	8½	

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	32		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT	1.25	FT.
1	4 DC	120.00	
1	STB RMR OD	6.00	FT.
1	D.C. ID OD	30.00	FT.
1	STB RMR OD	6.00	FT.
1	D.C. ID OD	60.00	FT.
1	STB RMR OD	6.00	FT.
1	2 DC	60.00	
1	STB	2.00	
1	1 DC	30.00	
	STANDS DP	1000.00	FT.
	SINGLES DP	30.00	FT.
	KELLY DOWN	39.00	FT.
	TOTAL	3325.00	FT.
WT. OF STRING		125,000	LBS.

BIT RECORD			
BIT NO.	1		
SIZE	12¼		
MFG.	Reed		
TYPE	FDGJ		
JETS 1/32"	16	16	16
SER. NO.	516120		
DEPTH OUT	3253		
DEPTH IN	3253		
TOTAL FTG.	312		
TOTAL HRS. RUN	28¾		
COND. 1/8's T/B/ GAGE	2	2	1
GPM/ PD-PSI	1000	1000	1000

MUD RECORD				
TIME	Up	Drlg	Circ	
WEIGHT	9.2	9.2	9.2	
PRESSURE GRADIENT	.478	.478	.478	
VISC.-SEC.	38	38	38	
PV/YP	10/	10/	10/	
GELS	3/	3/	3/	
WL -CC'S	8.2	8.2	8.2	
pH	10.5	10.5	10.5	
SOLIDS %	6.0	6.0	6.0	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000#		
Gelex	4#		

NO.	DRILLING ASSEMBLY (At end of tour)		
1	BIT	1.00	FT.
1	4 DC	120.00	
1	STB RMR OD	6.00	FT.
1	D.C. ID OD	30.00	FT.
1	STB RMR OD	6.00	FT.
1	D.C. ID OD	60.00	FT.
1	STB RMR OD	6.00	FT.
1	2 DC	60.00	
1	STB	2.00	
1	1 DC	30.00	
	STANDS DP	1000.00	FT.
	SINGLES DP	30.00	FT.
	KELLY DOWN	39.00	FT.
	TOTAL	3325.00	FT.
WT. OF STRING		125,000	LBS.

BIT RECORD			
BIT NO.	9		
SIZE	12¼		
MFG.	Reed		
TYPE	FDGJ		
JET 1/32"	16	16	16
SER. NO.	516120		
DEPTH OUT	3253		
DEPTH IN	3038		
TOTAL FTG.	215		
TOTAL HRS. RUN	25½		
COND. 1/8's T/B/ GAGE	2	2	1
GPM/ PD-PSI	1000	1000	1000

MUD RECORD				
TIME	0800	1200		
WEIGHT	9.8	9.8		
PRESSURE GRADIENT				
VISC.-SEC.	29	29		
PV/YP	/	/	/	
GELS	/	/	/	
WL -CC'S				
pH				
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	1000#		
Gelex	4#		

NO.	DRILLING ASSEMBLY (At end of tour)		
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STB		
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD				
TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.-SEC.				
PV/YP	/	/	/	
GELS	/	/	/	
WL -CC'S				
pH				
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE | DR..D RM..R CORE..C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PARTL.-P COMPL.-C

FROM	TO											
2327	2965	D			45	50	1000	6¼	49	6¼	52	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
2350	¼°							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0830	2½	2	Drlg 2327-2350
0830	0930	1	10	Survey @ 2350 - ¼°
0930	1030	1	6	Circ & Condition Mud
1030	1130	1	5	Cut Drilling Line
1130	1230	1	6	Circ
1230	1330	1	6	Run Electric Log Tool Stuck @ 2350

DRILLER

DAY TOUR

FOOTAGE | DR..D RM..R CORE..C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PARTL.-P COMPL.-C

FROM	TO											
2965	3257			TRIP CORRECTION	45	50	1000	6¼	49	6¼	52	
				DEPTH NOW IS 3257								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0630	½		Circ & Cond Mud
0630	0700	½		Trip Out
0700	0900	2		Log
0900	1130	2½		Circ & Cond Mud
1130	1230	1		Trip In
1230	1300	½		Circ & Cond Mud
1300	1700	4		Trip Out
1700	2400	7		Log
0000	0600	6		Log

DRILLER

EVENING TOUR

FOOTAGE | DR..D RM..R CORE..C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.-S PARTL.-P COMPL.-C

FROM	TO											
3257								6¼		6¼		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1130	1230	1		Trip In
1230	1300	½		Circ & Cond Mud
1300	1700	4		Trip Out
1700	2400	7		Log
0000	0600	6		Log

DRILLER

Form 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C - 23529

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Tonuco Flowline	8-4	P-55-22-30-NE-NE-45	Jan 1-24
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Production Co.		LOFFLAND BROTHERS COMPANY	22
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
Jerry Lee		Al Brooks	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.5	E	6 7/8	4 IF	2	1	Emsco	D-550	16
						2	Emsco	D-550	16

LEGAL LAND DESCRIPTION: P-55-22-30-NE-NE-45

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	9 5/8	USS	36	1	353		353

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	3½	16½	4½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	4½	1½	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¼	¼	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	18	½

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD: 37

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT 17½	1.00 FT.	BIT NO.	9	TIME	
1	8 DC	240.00	SIZE	17½	WEIGHT	
1	STB RMR OD 17½	5.00 FT.	MFG.	Reed	PRESSURE GRADIENT	
1	D.C. ID 8 OD 8	30.00 FT.	TYPE	HP-53	VISC.-SEC.	
1	STB RMR OD 17½	5.00 FT.	JETS 1/32"	16 16 16	PV/YP	/ /
1	D.C. ID 8 OD 8	30.00 FT.	SER. NO.	6HC50	GELS.	/ /
1	STB RMR OD 17½	5.00 FT.	DEPTH OUT	2353	WL -CC'S.	
1	2 DC	60.00	DEPTH IN	2053	pH	
1	6 DC	180.00	TOTAL FTG.	300	SOLIDS %	
1	CROSSOVER	2.00	TOTAL HRS. RUN	16½		
1	STANDS DP	FT.	COND. 1/8's T.B. GAGE	8 8 8	MUD & CHEMICALS ADDED	
1	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 17½	1.00 FT.	BIT NO.	9	TIME	0930	1200	1500
1	8 DC	240.00	SIZE	17½	WEIGHT	8.7	8.7	8.7
1	STB RMR OD 17½	5.00 FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID 8 OD 8	30.04 FT.	TYPE	HP-53	VISC.-SEC.	28	28	28
1	STB RMR OD 17½	4.92 FT.	JET 1/32"	16 16 16	PV/YP	/	/	/
5	D.C. ID 8 OD 8	145.73 FT.	SER. NO.	6HC50	GELS.	/	/	/
1	STB RMR OD 17½	1.45 FT.	DEPTH OUT	2653	WL -CC'S.			
3	7 DC	98.16	DEPTH IN	2553	pH			
2	8 DC	67.88	TOTAL FTG.	100	SOLIDS %			
1	CROSSOVER	2.46	TOTAL HRS. RUN	16½				
19	STANDS DP	1117.24 FT.	COND. 1/8's T.B. GAGE	8 8 8	MUD & CHEMICALS ADDED			
1	SINGLES DP	30.22 FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.			
	KELLY DOWN	40.42 FT.						
	TOTAL	1220.64 FT.						
WT. OF STRING		42000 LBS.						

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT 17½	1.00 FT.	BIT NO.	9	TIME	1520
1	8 DC	240.00	SIZE	17½	WEIGHT	8.7
1	STB RMR OD 17½	5.00 FT.	MFG.	Reed	PRESSURE GRADIENT	
1	D.C. ID 8 OD 8	30.04 FT.	TYPE	HP-53	VISC.-SEC.	28
1	STB RMR OD 17½	4.92 FT.	JETS 1/32"	16 16 16	PV/YP	/
5	D.C. ID 8 OD 8	145.73 FT.	SER. NO.	6HC50	GELS.	/
1	STB RMR OD 17½	1.45 FT.	DEPTH OUT	2653	WL -CC'S.	
3	7 DC	98.16	DEPTH IN	2553	pH	
2	8 DC	67.88	TOTAL FTG.	100	SOLIDS %	
1	CROSSOVER	2.46	TOTAL HRS. RUN	16½		
19	STANDS DP	1117.24 FT.	COND. 1/8's T.B. GAGE	8 8 8	MUD & CHEMICALS ADDED	
1	SINGLES DP	30.22 FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	40.42 FT.				
	TOTAL	1220.64 FT.				
WT. OF STRING		42000 LBS.				

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COMP.-C
220	2314			Kirtland 34'	45	50	800	6½	50	6½	50	

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0230	2½	2	Drill 17½ hole to 2314'
0230	0300	½	10	Work stuck pipe, release, Work Torque.
0300	0430	1½	21	Back off 1 drill collar, TOH w/ string
0430	0600	1½	2	Make up new bit, TIH w/ string
0600	0630	½	10	Wash & ream 60' to bottom
0630	0700	½	2	Drill 17½ hole to 2353'

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COMP.-C
2214	2240				40	50	800	6½	50	6½	50	

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2240	4°							

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0700	0730	½	2	Drill 17½ hole to 2353'
0730	1030	3	5	Pump high vis sweep, circ hole clean
1030	1045	¼	10	Wash & ream 60' to bottom
1045	1100	¼	2	Drill 17½ hole to 2400'
1100	1130	½	10	Wash & ream 60' to bottom
1130	1200	½	2	Drill 17½ hole to 2440'

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COMP.-C
2240	2327				45	50	1200	6½	50	6½	50	

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	2327	4°							

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1200	1230	½	2	Drill 17½ hole to 2440'
1230	1430	2	5	Pump high vis sweep, circ hole clean
1430	1445	¼	10	Wash & ream 60' to bottom
1445	1500	¼	2	Drill 17½ hole to 2500'
1500	1530	½	10	Wash & ream 60' to bottom
1530	1600	½	2	Drill 17½ hole to 2540'

DRILLER

Form 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23528

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	8		
SIZE	17½		
MFG.	Reed		
TYPE	J33-J		
JETS 1 32"	12	12	12
SER. NO.	SM542		
DEPTH OUT	3153		
DEPTH IN	1531		
TOTAL FTG.	622		
TOTAL HRS. RUN	14		
COND. 1/8's T/B GAGE	1	1	1
GPM/ PD-PSI			

MUD RECORD

TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.-SEC.				
PV/YP	/	/	/	
GELS.	/	/	/	
WL -CC'S.				
pH				
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART.-P COMB.-C
3149	3153	D			45	50	1100	6½	46			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3145	4¾	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
7:00	10:45	3¾	2	Dri 12¼" Hole
10:45	11:15	½	5	Circ Hole
11:15	11:30	¼	10	Survey
11:30	15:15	3¾	2	Drilled to 1450
15:15	15:30	¼	5	Circ Hole
15:30	21:45	6¼	10	Wash & Ream 1400 to Bottom
21:45	22:00	¼	5	Circ Hole
22:00	6:00	8	10	Drilled to 3153

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	9		
SIZE	17½		
MFG.	Reed		
TYPE	J22-J		
JET 1/32"	18	18	18
SER. NO.	RW600		
DEPTH OUT	2153		
DEPTH IN	1531		
TOTAL FTG.	622		
TOTAL HRS. RUN	9¼		
COND. 1/8's T/B GAGE	1	1	1
GPM/ PD-PSI			

MUD RECORD

TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.-SEC.				
PV/YP	/	/	/	
GELS.	/	/	/	
WL -CC'S.				
pH				
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL			
CELEX			

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PART.-P COMB.-C
3153								6½		6½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	10:00	4		Dri 12¼" Hole to 2153
10:00	12:00	2		Circ Hole & Pull 10 Stds
12:00	18:00	6		Trip for Bit
18:00	19:00	1		Ream 60' to Bottom
19:00	6:00	11		Dri 12¼" Hole to 3153

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.	9		
SIZE	17½		
MFG.	Reed		
TYPE	J33-J		
JETS 1/32"	18	18	18
SER. NO.	RW600		
DEPTH OUT			
DEPTH IN	2153		
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE	1	1	1
GPM/ PD-PSI			

MUD RECORD

TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.-SEC.				
PV/YP	/	/	/	
GELS.	/	/	/	
WL -CC'S.				
pH				
SOLIDS %				

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART.-P COMB.-C
3153												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6

APPROVED

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23527

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Fenno Hunton	H-4	05-[illegible]-30-13-42	04-24-54

OPERATOR	CONTRACTOR	RIG NO.
Amer. Quasar Pet.	LOFFLAND BROTHERS COMPANY	12

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Crabtree

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.5#	E	6 5/8	XH	1	1	Emsco	D-375	15
						2	Emsco	D-375	15

LEGAL LAND DESCRIPTION: Fenno Hunton #4

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
10 3/4	[illegible]	40.5	1	35'		24'
7 5/8	[illegible]	26.4	1	2111'		2111'

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	13	8	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	1/4		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS		8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	1770	FT.
2		1770	
3	STB RMR OD	1770	FT.
4	D.C. ID OD	1770	FT.
5	STB RMR OD	1770	FT.
6	D.C. ID OD	1770	FT.
7	STB RMR OD	1770	FT.
8		1770	
9		1770	
10	STANDS DP	1570.91	FT.
11	SINGLES DP	62.22	FT.
12	KELLY DOWN	33.36	FT.
13	TOTAL	2111.00	FT.
	WT. OF STRING	120,000	LBS.

BIT RECORD

BIT NO.	8
SIZE	17 1/2
MFG.	Reed
TYPE	Y-J
JETS 1/32"	12 12 12
SER. NO.	814442
DEPTH OUT	
DEPTH IN	1736
TOTAL FTG.	334
TOTAL HRS. RUN	7 7/4
COND. 1/8's T/B/ GAGE	2 2 WT
GPM/ PD–PSI	/ /

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..DRM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PART'L–P COM'P.C.
3042	3070	D			45	50	1000	6 3/4	48			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
3042	1/4	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0200	2	2	Drl. 1770 Hole
0200	0330	3/4	10	Survey
0330				Drilling 1770 Hole

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	1770	FT.
2		1770	
3	STB RMR OD	1770	FT.
4	D.C. ID OD	1770	FT.
5	STB RMR OD	1770	FT.
6	D.C. ID OD	1770	FT.
7	STB RMR OD	1770	FT.
8		1770	
9		1770	
10	STANDS DP	1570.91	FT.
11	SINGLES DP	62.22	FT.
12	KELLY DOWN	33.36	FT.
13	TOTAL	2111.00	FT.
	WT. OF STRING	120,000	LBS.

BIT RECORD

BIT NO.	9
SIZE	17 1/2
MFG.	Reed
TYPE	Y-J
JET 1/32"	12 12 12
SER. NO.	814442
DEPTH OUT	
DEPTH IN	1736
TOTAL FTG.	375
TOTAL HRS. RUN	8 1/4
COND. 1/8's T/B/ GAGE	2 2 WT
GPM/ PD–PSI	/ /

MUD RECORD

TIME	0800	1200	1430
WEIGHT	8.6	9.1	9.6+
PRESSURE GRADIENT	.445	.445	.447
VISC.–SEC.	29	29	29+
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH	8.0	8.0	8.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	4500#		
GELEX	18#		
SOMRH	200#		

FOOTAGE

FROM	TO	DR..DRM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PART'L–P COM'P.C.
2070	2111	41'			45	50	1000	6 3/4	48	6 3/4		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	1600	8		Drilling 1770 Hole.

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT	1770	FT.
2		1770	
3	STB RMR OD	1770	FT.
4	D.C. ID OD	1770	FT.
5	STB RMR OD	1770	FT.
6	D.C. ID OD	1770	FT.
7	STB RMR OD	1770	FT.
8		1770	
9		1770	
10	STANDS DP	1570.91	FT.
11	SINGLES DP	62.22	FT.
12	KELLY DOWN	33.36	FT.
13	TOTAL	2111.00	FT.
	WT. OF STRING	120,000	LBS.

BIT RECORD

BIT NO.	8
SIZE	17 1/2
MFG.	Reed
TYPE	Y-J
JETS 1/32"	12 12 12
SER. NO.	814442
DEPTH OUT	
DEPTH IN	1736
TOTAL FTG.	413
TOTAL HRS. RUN	13 1/4
COND. 1/8's T/B/ GAGE	2 2 WT
GPM/ PD–PSI	/ /

MUD RECORD

TIME	1600		
WEIGHT	9.6+		
PRESSURE GRADIENT	.447		
VISC.–SEC.	29		
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL			
GELEX			
SOMRH			

FOOTAGE

FROM	TO	DR..DRM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PART'L–P COM'P.C.
2111	2141	0			45	50	1000	6 3/4	48	6 3/4		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	2400	8	2	Drilling 1770 Hole

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23526

DAILY DRILLING REPORT REPORT NO. 34

LEASE	WELL NO.	API WELL NUMBER	DATE
Painted Mtn	A-4	A-55-Ke-30-123-45-U/A	04-23-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	Al Bradley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 1/4	4 1/2 IF	1	1	Emsco	D-1000	18"
						2	Emsco	D-700	16"

LEGAL LAND DESCRIPTION Painted Mountain A-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20"	USS	94	8	353		346'

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/16		

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6	7	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG		3/4	
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		1/4	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	6	8 3/4	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO D.P.			
HRS. STANDBY			
TOTAL DAY WORK	6	8 3/4	8
NO. OF DAYS FROM SPUD	34		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT	FT.	BIT NO.	8	TIME	0800
			SIZE	17 1/2	WEIGHT	8.8
	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE	HP43-J	VISC.-SEC.	28
	STB RMR OD	FT.	JETS 1/32"	12 12 12	PV/YP	/
	D.C. ID OD	FT.	SER. NO.	RK842	GELS	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S	
			DEPTH IN	1736	pH	9.0
			TOTAL FTG.	322	SOLIDS %	
			TOTAL HRS. RUN	5 1/2		
4	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	R 1 1/2	MUD & CHEMICALS ADDED	
1	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.	9	TIME	0700	1100	1500
			SIZE	17 1/2	WEIGHT	8.5	8.5	8.5
	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT	440	440	440
	D.C. ID OD	FT.	TYPE	HP43-J	VISC.-SEC.	28	26	28
	STB RMR OD	FT.	JET 1/32"	12 12 12	PV/YP	/	/	/
5	D.C. ID OD	FT.	SER. NO.	RK842	GELS	/	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S	8.0	8.0	8.0
3			DEPTH IN	1736	pH			
2			TOTAL FTG.	279	SOLIDS %			
1			TOTAL HRS. RUN	1 1/2				
11	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE / AMT. / TYPE / AMT.			
	KELLY DOWN	FT.			GEL 1400			
	TOTAL	FT.			CELEX 4#			
WT. OF STRING		LBS.						

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT	FT.	BIT NO.	9	TIME	1700
			SIZE	17 1/2	WEIGHT	9.5
	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT	440
	D.C. ID OD	FT.	TYPE	HP43-J	VISC.-SEC.	23
	STB RMR OD	FT.	JETS 1/32"	12 12 12	PV/YP	/
	D.C. ID OD	FT.	SER. NO.	RK842	GELS	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S	8.0
			DEPTH IN	1774	pH	
			TOTAL FTG.	317	SOLIDS %	
			TOTAL HRS. RUN	6 1/2		
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

EVENING TOUR

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
1917	1941	D			45	50	1400			6 3/4	60	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6	2	Drilling 17 1/2 Hole

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
1941	2011				46	50	1300			6 3/4	60	S
2011	2045	DT			45	50	1400	6 3/4	98			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1960	8°	N						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0930	1 1/2		Drilling 17 1/2 Hole
0930	0945	1/4		Wireline Survey
0945	1030	3/4		Drilling 17 1/2 Hole
1030	1045	1/4		Work on Drive Pump
1045	1100	1/4		Drilling 17 1/2 Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
2016	2045	D			45	50	1400	6 3/4	98	6 3/4		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	2400	6	2	Drilling 17 1/2 Hole

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION BRANCH
APR 29 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23525

DAILY DRILLING REPORT — REPORT NO. 33

LEASE	WELL NO.	API WELL NUMBER	DATE
Pointed Mountain	A-4	A-55-10-30-125-45W	04-02-74

OPERATOR	CONTRACTOR	RIG NO.
Home Canada LTD.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	J. W. Fisher

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 F.H.	1	1	Emsco	D-700	16
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20	OIS	94 51	6	253		243
			H40				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/2	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	7½	2¼	8
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG		½	
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY	½		
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	E	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	33		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 17½	1.23 FT.	BIT NO.	11	TIME	0200	04	0600
1		6.46	SIZE	17½	WEIGHT	9.5	9.5	9.5
3	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	2.55 FT.	TYPE	X3J	VISC.-SEC.	24	28	28
1	STB RMR OD	FT.	JETS 1 32"	12 12 12	PV/YP	/	/	/
1	D.C. ID OD	31.04 FT.	SER. NO.	PJ6542	GELS.	/	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.			
1			DEPTH IN	1736	pH	9.0	9.0	9.0
3			TOTAL FTG.	134	SOLIDS %			
1			TOTAL HRS. RUN	36¼				
15	STANDS DP	1352.33 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	61.45 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	2.00 FT.						
	TOTAL	1118.00 FT.						
WT. OF STRING	118000 LBS.							

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D.C.
1001		D						6¾		6¾		
1359	1118	D		ST	45	50	1500	6¾		6¾	60	S
				Wore Form 30 minutes								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1370	4°	X						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0445	4¾		Drlg 17½ Hole
0445	0515	½		Circ, Survey And Pump Pill
0515	0800	2¾		Drlg 17½ Hole

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 17½	1.24 FT.	BIT NO.	11	TIME			
1	NBH	1.46	SIZE	17½	WEIGHT			
1	STB RMR OD	2.68 FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	29.33 FT.	TYPE	X3J	VISC.-SEC.			
1	STB RMR OD	1.66 FT.	JET 1/32"	12 12 12	PV/YP	/	/	/
1	D.C. ID OD	31.04 FT.	SER. NO.	PJ6542	GELS.	/	/	/
1	STB RMR OD	2.64 FT.	DEPTH OUT		WL.-CC'S.			
3		182.55	DEPTH IN	1736	pH			
2		62.05	TOTAL FTG.	134	SOLIDS %			
1		3.45	TOTAL HRS. RUN	36¼				
14	STANDS DP	1282.87 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	31.40 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	13.15 FT.						
	TOTAL	1327.42 FT.						
WT. OF STRING	118000 LBS.							

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR.EL-P COM.D.C.
1212	1930	D			45	50	1500			6¾	62	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0930	1½	2	Drlg 17½ Hole
0930	1515	5¾	6	Work on Pumps
1515	1700	2¼	2	Drlg

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 17½	1.46 FT.	BIT NO.	11	TIME	1600	1800	2200
1	C/O	1.48	SIZE	17½	WEIGHT	9.5	9.5	9.5
1	STB RMR OD	2.68 FT.	MFG.	REED	PRESSURE GRADIENT			
1	D.C. ID OD	2.30 FT.	TYPE	X3-J	VISC.-SEC.	28	28	28
1	STB RMR OD	3.42 FT.	JETS 1/32"	12 12 12	PV/YP	/	/	/
1	D.C. ID OD	31.04 FT.	SER. NO.	PJ6542	GELS.	/	/	/
3	STB RMR OD	98.46 FT.	DEPTH OUT		WL.-CC'S.			
2	6¾ DC	57.05	DEPTH IN	1736	pH	8.0	8.0	8.0
1	C/O	2.45	TOTAL FTG.	231	SOLIDS %			
			TOTAL HRS. RUN	46½				
16	STANDS DP	1479.23 FT.	COND. 1/8's T/B GAGE	R1 W1 NO	MUD & CHEMICALS ADDED			
1	SINGLES DP	31.10 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	13.15 FT.						
	TOTAL	1967.00 FT.						
WT. OF STRING	118000 LBS.							

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D.C.
1930	1967	37'			45	50	1500			6½	62	

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1700	2400	8		Drilling 17½ Hole

DRILLER

APR 4 1974
AAS
WMK
FMS
Ron Schultz
File No.
ACTION REQUIRED
Assigned to:
Assignment No.:
Date Answered:

CONSERVATION ENGINEER
APR 10 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23524

DAILY DRILLING REPORT

REPORT NO. 32

LEASE	WELL NO.	API WELL NUMBER	DATE
Texaco Inc	A-4	A-55-60-30-123-45 W	04-1-74

OPERATOR	CONTRACTOR	RIG NO.
Amer Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	J. A. L.

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	7 5/8	4 1/2 FH	1	1	Emsco	D-375	14
						2	Emsco	D-300	14

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20	USS	94	6	233		245
			40.40				

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/2	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	9 1/2	8
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		1/2	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	15 1/2	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	32
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	12 1/4 FT.	BIT NO.	11	TIME	0100	0700	0700
1		6 1/2	SIZE	12 1/4	WEIGHT	8.5	8.5	8.5
1	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	FT.	TYPE	HP-J1	VISC.-SEC.	28	28	28
1	STB RMR OD	FT.	JETS 1/32"	12 12 12	PV/YP	/	/	/
1	D.C. ID OD	FT.	SER. NO.	214242	GELS	/	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN	1734	pH	8.0	8.0	8.0
			TOTAL FTG.	58	SOLIDS %			
			TOTAL HRS. RUN	13				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	2172 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	26 FT.						
	TOTAL	2198 FT.						
WT. OF STRING	116 000	LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12 1/4	1 1/2 FT.	BIT NO.	11	TIME	8:00	1:00	4:00
1	NAR	6 1/2	SIZE	12 1/4	WEIGHT	8.5	8.5	8.5
1	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	FT.	TYPE	HP-J1	VISC.-SEC.	28	28	28
1	STB RMR OD	FT.	JET 1/32"	12 12 12	PV/YP	/	/	/
1	D.C. ID OD	FT.	SER. NO.	214242	GELS	/	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN	1734	pH	8.0	8.0	8.0
			TOTAL FTG.	58	SOLIDS %			
			TOTAL HRS. RUN	9 3/4				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12 1/4	1 1/2 FT.	BIT NO.	11	TIME	2:00		
1	NAR	6 1/2	SIZE	12 1/4	WEIGHT	9		
1	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	FT.	TYPE	HP-J1	VISC.-SEC.	28		
1	STB RMR OD	FT.	JETS 1/32"	12 12 12	PV/YP	/	/	/
1	D.C. ID OD	FT.	SER. NO.	214242	GELS	/	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S			
			DEPTH IN	1734	pH	8.0		
			TOTAL FTG.	123	SOLIDS %			
			TOTAL HRS. RUN	23 3/4				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PARTL..P COMP'D..C
1727	1734	D		45	45	35	800	6 1/2		6 1/2	60	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0900	8		Drlg 12 1/4 hole

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL..S PARTL..P COMP'D..C
1734	1812	D			45	45	1000			6 1/2	60	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1800	4 1/2							

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0300	3	2	Drlg 12 1/4 hole
0300	0330	1/2	10	Survey
0330	0900	5 1/2	2	Drlg 12 1/4 hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PARTL..P COMP'D..C
1812	1857	D		37	45	45	1000	6 1/2		6 1/2	60	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1500	2300	8		Drlg 12 1/4 hole

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23523

DAILY DRILLING REPORT

REPORT NO. 31

LEASE	WELL NO.	API WELL NUMBER	DATE
Pannell #1M	A-4	A-55-(10-30-12)Ba-1W	05-31-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1			
						2			

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20"						

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL	7	11½	5
3.	REAMING			2
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS		5½	
7.	LUBRICATE RIG			
8.	REPAIR RIG			2
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY	½		
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		7½	16½	9

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	31
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)			BIT RECORD				MUD RECORD			
1	BIT	17½	1.25 FT.	BIT NO.	10			TIME	02:00	05:00	06:30
1			1.45	SIZE	17½			WEIGHT	9.4	9.4	9.7
1	STB RMR OD		FT.	MFG.	Reed			PRESSURE GRADIENT			
1	D.C. ID OD		FT.	TYPE	YT-J			VISC.-SEC.	52	51	49
1	STB RMR OD		FT.	JETS 1/32"	16 16 16			PV/YP	/	/	/
1	D.C. ID OD		FT.	SER. NO.	RK633			GEL S.	/	/	/
1	STB RMR OD		FT.	DEPTH OUT				WL -CC'S.			
1				DEPTH IN	1410			pH	9.5	9.5	9.0
1				TOTAL FTG.	326			SOLIDS %			
1				TOTAL HRS. RUN	7¾						
14	STANDS DP	1301.05	FT.	COND. 1/8's T.B. GAGE	1 1			MUD & CHEMICALS ADDED			
	SINGLES DP		FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	1.20	FT.								
	TOTAL	1765.00	FT.								
WT. OF STRING	115000		LBS.								

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'L..P COM'D..C
1734	1736	D		2' Shale, Fairly Consolidated	45	50	600	6½		6½	61	S
				Wash from 30 to 1734								

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1745	¾	X						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0530	5½		Slide 11a 2 ...
0530	0600	½		Wash from 30 to 1734'
0600	0800	2		Drill 1734 to 1736

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)			BIT RECORD				MUD RECORD			
1	BIT	17½	1.25 FT.	BIT NO.	10	11		TIME	9.00		9:00
1	NBR		1.41	SIZE	17½	17½		WEIGHT	9.5		9.5
1	STB RMR OD		FT.	MFG.	Reed	Reed		PRESSURE GRADIENT			
1	D.C. ID OD		FT.	TYPE	YT-J	YT-J		VISC.-SEC.	51		50
1	STB RMR OD		FT.	JET 1/32"	16 16 16	12 12 12		PV/YP	/	/	/
1	D.C. ID OD		FT.	SER. NO.	RK633	RK633		GEL S.	/	/	/
1	STB RMR OD		FT.	DEPTH OUT	1736			WL -CC'S.			
				DEPTH IN	1410	1736		pH	9.5		9.5
				TOTAL FTG.	326			SOLIDS %			
				TOTAL HRS. RUN	7¾						
	STANDS DP		FT.	COND. 1/8's T.B. GAGE	1 1			MUD & CHEMICALS ADDED			
	SINGLES DP		FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN		FT.								
	TOTAL		FT.								
WT. OF STRING			LBS.								

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'L..P COM'D..C
1736	1745	D		Shale	45	50	600	6½		6½	61	S
1745	1800	D		Shale, Limestone	45	50	600	6½		6½	61	S
1800	1830	D		Limestone, Shale	45	50	600	6½		6½	61	S
1830	1850	D		Limestone, Shale, Coal	45	50	600	6½		6½	61	S
1850	1900	D		Limestone, Shale	45	50	600	6½		6½	61	S
1900	1930	D		Limestone, Shale, Coal	45	50	600	6½		6½	61	S
1930	1945	D		Limestone, Shale	45	50	600	6½		6½	61	S
1945	1955	D		Limestone, Shale, Coal	45	50	600	6½		6½	61	S
1955	2000	D		Limestone, Shale	45	50	600	6½		6½	61	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0500	0545	1¾	2	Drilling 1745 to 1800
0545	1200	2¼	6	Wash from 1800 to 1830, Survey
1200	1300	1	11	Coring 1830 to 1850, Core #1
1300	1600	3	2	Rig service, Slip & Cut Drlg. Line, Trip for Pipe Tally 1786.39, Measured 1790.22, Diff. 3.83, Correction Made

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)			BIT RECORD				MUD RECORD			
1	BIT	17½	FT.	BIT NO.	11			TIME		21:30	
				SIZE	17½			WEIGHT		9.6	
1	STB RMR OD		FT.	MFG.	Reed			PRESSURE GRADIENT			
1	D.C. ID OD		FT.	TYPE	YT-J			VISC.-SEC.		54	
1	STB RMR OD		FT.	JETS 1/32"	16 16 16			PV/YP	/	/	/
1	D.C. ID OD		FT.	SER. NO.	RK633			GEL S.	/	/	/
1	STB RMR OD		FT.	DEPTH OUT				WL -CC'S.			
				DEPTH IN	1736			pH		9.0	
				TOTAL FTG.				SOLIDS %			
				TOTAL HRS. RUN	5						
	STANDS DP		FT.	COND. 1/8's T.B. GAGE				MUD & CHEMICALS ADDED			
	SINGLES DP		FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN		FT.								
	TOTAL		FT.								
WT. OF STRING			LBS.								

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL..S PAR'L..P COM'D..C
1736	1745	D		Shale	45	50	600	6½		6½	60	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1730	1½	2	Rig service, Slip & Cut Drlg. Line
1730	2000	2½	6	Drill 1745 to 1800
2000	2130	2½	2	Circulate & Condition Mud for Logs
2130	2400	2½	5	Pull out of hole for logs

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23522

DAILY DRILLING REPORT — REPORT NO. 30

LEASE	WELL NO.	API WELL NUMBER	DATE
Loffland Bros	A-4	A-44-20-30-42W-45W	6-15-74
OPERATOR	**CONTRACTOR**		**RIG NO.**
Rocky Canyon Exp.	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER		
[illegible]	L. H. Tool		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 IF	1	1	Oilwell	D-700	10
						2	Emsco	D-700	10

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
20"	USS	94#	6	233		243
		40#				

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/2	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	8	7
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		1/2	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	30
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 17½	1.23 FT.	BIT NO.	7	TIME	0100	0600
1	[illegible]	1.42	SIZE	17½	WEIGHT	9.4	9.4
1	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT		
1	D.C. ID OD	FT.	TYPE	Y73-J	VISC.-SEC.	36	33
1	STB RMR OD	FT.	JETS 1/32"	18 18 18	PV/YP	/	/
1	D.C. ID OD	FT.	SER. NO.	[illegible]	GELS.	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
2	[illegible]	2.05	DEPTH IN	1410	pH	9.0	9.0
2	[illegible]	2.04	TOTAL FTG.	446	SOLIDS %		
1	[illegible]	3.47	TOTAL HRS. RUN	50.4			
12	STANDS DP	1113.3 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	62.91 FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	38 FT.					
	TOTAL	1156.2 FT.					
WT. OF STRING	113000 LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 14¾	1.0 FT.	BIT NO.	9	TIME	9:00	12:00
1	NOR [illegible]	1.42	SIZE	11¾	WEIGHT	8.8	8.8
1	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT		
1	D.C. ID OD	FT.	TYPE	[illegible]	VISC.-SEC.	33	32
1	STB RMR OD	FT.	JET 1/32"	[illegible]	PV/YP	/	/
1	D.C. ID OD	FT.	SER. NO.	[illegible]	GELS.	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
2	[illegible]	1.42	DEPTH IN	1410	pH	9.0	9.0
2	[illegible]	2.04	TOTAL FTG.	314	SOLIDS %		
1	[illegible]	3.47	TOTAL HRS. RUN	4½			
12	STANDS DP	1113.3 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	62.91 FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	38 FT.					
	TOTAL	1156.2 FT.					
WT. OF STRING	113000 LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 17½	1.23 FT.	BIT NO.	7	TIME	6:00	12:00
1	[illegible]	1.42	SIZE	17½	WEIGHT	9.4	9.4
1	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT		
1	D.C. ID OD	FT.	TYPE	Y73-J	VISC.-SEC.	36	33
1	STB RMR OD	FT.	JETS 1/32"	18 18 18	PV/YP	/	/
1	D.C. ID OD	FT.	SER. NO.	[illegible]	GELS.	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
2	[illegible]	2.05	DEPTH IN	1410	pH	9.0	9.0
2	[illegible]	2.04	TOTAL FTG.	446	SOLIDS %		
1	[illegible]	3.47	TOTAL HRS. RUN	50.4			
12	STANDS DP	1113.3 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	62.91 FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	38 FT.					
	TOTAL	1156.2 FT.					
WT. OF STRING	113000 LBS.						

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
1124	1156	D		25	45	40	800	6½		6½	61	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	8		Drlg 123 Mud

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR.-P COM.-C
1154	1194	D			45	40	600			14	41	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1154	4¾							

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0900	3	2	Drilling 1154 to 1194
0900	0915	¼	10	Survey
0915	1200	2¾	2	Drlg 1194 to 1254

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
1192	1234	D		40	45	50	600	6½		6½	61	S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1800	2400	6		Drlg 1194 to 1234

DRILLER

FORM 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23521

DAILY DRILLING REPORT REPORT NO. 24

LEASE	WELL NO.	API WELL NUMBER	DATE
Fowler Ave	A-4	05-45-20-30412-00-00	03-21-24

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	J. Fisher

LEGAL LAND DESCRIPTION

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	NC 50	1	1	Emsco	D-700	12
						2	Emsco	D-700	12

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
20"	ABC	94 H-40	6	253		245

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/32	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7½	7½	7½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		¼	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.	½		½
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	27		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	12¼ 1.25 FT.	BIT NO.	7	TIME	0400	0700	0715
1		8 1.46	SIZE	12¼	WEIGHT	8.4	8.5	8.5
2	STB RMR OD	8 2.04 FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	6¼ 1.4 FT.	TYPE	HP43-T	VISC.-SEC.	40	37	42
	STB RMR OD	8 2.33 FT.	JETS 1/32"	18 18 18	PV/YP	/	/	/
1	D.C. ID OD	6¼ 31.64 FT.	SER. NO.	HW439	GELS.	/	/	/
1	STB RMR OD	8 2.41 FT.	DEPTH OUT		WL.-CC'S.			
			DEPTH IN	1410	pH	9.0	9.0	9.0
			TOTAL FTG.	153	SOLIDS %	Drilling Fluid Gel Chem		
			TOTAL HRS. RUN	32¼		Drilling Fluid Gel Chem		
11	STANDS DP	1023.31 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	60.42 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	43.91 FT.			Gel	8 sx	Soda Ash	2 sx
	TOTAL	1127.64 FT.			Gel	8 sx		
WT. OF STRING	170000 LBS.				Gel	8 sx		

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	17½ 1.25 FT.	BIT NO.	7	TIME	2400	1200	0400
1		8 1.46	SIZE	12¼	WEIGHT	8.8+	8.9	8.9+
2	STB RMR OD	8 2.04 FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	6¼ 1.4 FT.	TYPE	HP43-T	VISC.-SEC.	58	59	59
	STB RMR OD	8 2.33 FT.	JET 1/32"	18 18 18	PV/YP	/	/	/
1	D.C. ID OD	6¼ 31.64 FT.	SER. NO.	HW439	GELS.	/	/	/
1	STB RMR OD	8 2.41 FT.	DEPTH OUT		WL.-CC'S.			
			DEPTH IN	1410	pH	9.0	9.0	9.0
			TOTAL FTG.	153	SOLIDS %			
			TOTAL HRS. RUN	32¼				
12	STANDS DP	1108.13 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	31.18 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	43 FT.			Soda Ash	100		
	TOTAL	1182.31 FT.			Gel	5 sx		
WT. OF STRING	172000 LBS.				Gel	11 sx		

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	17½ 1.25 FT.	BIT NO.	7	TIME	0400	0530	
1		8 1.46	SIZE	12¼	WEIGHT	8.5+	8.8+	
2	STB RMR OD	8 2.04 FT.	MFG.	Reed	PRESSURE GRADIENT			
1	D.C. ID OD	6¼ 1.4 FT.	TYPE	HP43-T	VISC.-SEC.	48	43	
	STB RMR OD	8 2.33 FT.	JETS 1/32"	18 18 18	PV/YP	/	/	/
1	D.C. ID OD	6¼ 31.64 FT.	SER. NO.	HW439	GELS.	/	/	/
1	STB RMR OD	8 2.41 FT.	DEPTH OUT		WL.-CC'S.			
			DEPTH IN	1410	pH			
			TOTAL FTG.	153	SOLIDS %			
			TOTAL HRS. RUN	32¼				
11	STANDS DP	1023.31 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	60.42 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	43.91 FT.						
	TOTAL	1127.64 FT.						
WT. OF STRING	170000 LBS.							

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.-P REL.-P COM.-C
1523	1563	40			45	50	1100	6½	42	6½	52	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0345	3¾		Drlg 12¼ Hole
0345	0400	¼		Circ Wipe For Trip.
0400	0400	4		Drlg 12¼ Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.-P REL.-P COM.-C
1563	1600	D		Wipe For Trip	45	50	1100	6½	42	6½	52	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1552	¾	X						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0600	½	2	Drlg 12¼ Hole
0600	0945	3¼	10	Survey
0945	1600	6¼	2	Drlg

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.-P REL.-P COM.-C
1600	1628	28			45	50	1100	6½	42	6½	52	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1645	¾		Drlg 12¼ Hole
1645	1700	¼	16	Circ Hole Clean & Mix & Pump 10 BBL Slug
1700	2000	3		Drlg 12¼ Hole

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23520

DAILY DRILLING REPORT

REPORT NO. 28

LEASE	WELL NO.	API WELL NUMBER	DATE
Powers Plus	A 4	A-25-[illegible]30-N25-E2W	12-28-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 I.F.	1	1	Emsco	D-1000	12
						2	Emsco	D-700	

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20"	[illegible]	94#	1	42		43
			40#				
			[illegible]	[illegible]	[illegible]		[illegible]

WIRE LINE RECORD: SIZE 1/2 | NO. LINES 10 | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	24	14	7 1/2
3. REAMING	5 1/2		
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		3/4	3/4
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	24	15	9

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 29

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 17 1/2	1.25 FT.	BIT NO.	7	TIME	0100	0600
1	[illegible]	6.41	SIZE	17 1/2	WEIGHT	70	71
1	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT		
1	D.C. ID OD	FT.	TYPE	Y33-J	VISC.-SEC.	39	40
1	STB RMR OD	FT.	JETS 1/32"	12 12 12	PV/YP	/	/
1	D.C. ID OD	FT.	SER. NO.	816938	GELS.	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.		
1	[illegible]	1.03	DEPTH IN	1410	pH	9.5	10
1	[illegible]	23.63	TOTAL FTG.	15	SOLIDS %	[illegible]	7.8
1	[illegible]	2.47	TOTAL HRS. RUN	2 2			
10	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
1	SINGLES DP	[illegible] FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE AMT.
1	KELLY DOWN	21.30 FT.			[illegible]	2 1/2	1 1/2
	TOTAL	[illegible] FT.			[illegible]	2 1/2	
WT. OF STRING	108000 LBS.				[illegible]	[illegible]	

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 17 1/2	1.20 FT.	BIT NO.	9	TIME		
1	HBR	6.41	SIZE	17 1/2	WEIGHT		
1	STB RMR OD	[illegible] FT.	MFG.	Reed	PRESSURE GRADIENT		
1	D.C. ID OD	FT.	TYPE	[illegible]	VISC.-SEC.		
1	STB RMR OD	FT.	JET 1/32"	[illegible]	PV/YP	/	/
1	D.C. ID OD	FT.	SER. NO.	[illegible]	GELS.	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.		
1	[illegible]	[illegible]	DEPTH IN	1410	pH		
2	[illegible]	[illegible]	TOTAL FTG.	13	SOLIDS %		
1	[illegible]	2.47	TOTAL HRS. RUN	17 3/4			
10	STANDS DP	[illegible] FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
2	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE AMT.
	KELLY DOWN	[illegible] FT.					
	TOTAL	[illegible] FT.					
WT. OF STRING	[illegible] LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 17 1/2	FT.	BIT NO.	7	TIME		
1	[illegible]		SIZE	17 1/2	WEIGHT		
1	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT		
1	D.C. ID OD	FT.	TYPE	Y33-J	VISC.-SEC.		
1	STB RMR OD	FT.	JETS 1/32"	[illegible]	PV/YP	/	/
1	D.C. ID OD	FT.	SER. NO.	[illegible]	GELS.	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.		
1	[illegible]		DEPTH IN	[illegible]	pH		
2	[illegible]		TOTAL FTG.	13	SOLIDS %		
1	[illegible]		TOTAL HRS. RUN	2 3/4			
10	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
1	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING	[illegible] LBS.						

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
1350	1410	R		[illegible]	45	30	1100	6 1/2	46	6 1/2	52	P
1410	1425	D		15'	60	10	1100	6 1/2	46	6 1/2	52	P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0530	5 1/2		Drilling 17 1/2 Hole To 1352 Circulate To 1410
0530	0800	2 1/2		Pick Up Tools

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
1425	1473	D		[illegible]	45	35	1100	6 1/2	46	6 1/2	52	P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1430	3°	X	1437	4 1/2	X	1459	4 3/4	X

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0830	1/2	2	Drilling 17 1/2 Hole
0830	0845	1/4	10	Survey
0845	1130	2 3/4	2	Drilling 17 1/2 Hole
1130	1145	1/4	10	Survey
1145	1400	2 1/4	2	Drilling 17 1/2 Hole
1400	1415	1/4	10	Survey
1415	1600	1 3/4	2	Drilling 17 1/2 Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000 #	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
1424	1425	D		[illegible]	45	35	1100	6 1/2	46	6 1/2	52	P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1424	3/4°	X	1427	0°	X			

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1630	1/2	2	Drilling 17 1/2 Hole
1630	1700	1/2	10	Survey
1700	2045	3 3/4	2	Drilling 17 1/2 Hole
2045	2100	1/4	3	Make Trip, Survey
2100	2400	3	2	Drilling 17 1/2 Hole

DRILLER

C 23519

DAILY DRILLING REPORT

REPORT NO. 27

LEASE	WELL NO.	API WELL NUMBER	DATE
Kaines Mtn.	A-4	A-55-60130-R3-25W	03-27-74

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6.6	NC50	#1	1	Oilwell Emsco	D-700	18"
						2	Emsco	D-700	18"

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20"	USS	94 K-1	6	243		243
			H40				
		Canada Tube	42 & 54.5	32	1216		1216

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/2	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7	11½	
3. REAMING			5
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		6¼	3
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	1	1¼	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	16	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD	27
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 12¼	1.00 FT.	BIT NO.	6	TIME	0600	
1	Hunting	9.09	SIZE	12¼	WEIGHT	9.0	
	STB RMR OD	FT.	MFG.	Hunt	PRESSURE GRADIENT		
2	D.C. ID OD	120.7 FT.	TYPE	5HDS	VISC.-SEC.	39	36
1	STB RMR OD	7.40 FT.	JETS 1/32"	13 13 13	PV/YP	/	/
9	D.C. ID OD	1187.0 FT.	SER. NO.	52463	GELS.	/	/
1	STB RMR OD	6.75 FT.	DEPTH OUT		WL.-CC'S.		
2	7 3/4"	58.65	DEPTH IN	1340	pH	11.5	11.5
2	6 3/4"	52.03	TOTAL FTG.	64	SOLIDS %	10.8	
1	7 3/4"	2.47	TOTAL HRS. RUN	11½		0.5 9.0	
11	STANDS DP	1020.88 FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
1	SINGLES DP	31.87 FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE AMT.
	KELLY DOWN	12.00 FT.			Gel	20 sx	
	TOTAL	1344.21 FT.			Gel	4 sx	
WT. OF STRING	92000 LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.	6	7	TIME	
			SIZE	12¼	12¼	WEIGHT	
	STB RMR OD	FT.	MFG.	Hunt	Reed	PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE	5HDS	HP43-J	VISC.-SEC.	
	STB RMR OD	FT.	JET 1/32"	13 13 13	12 12 12	PV/YP	/ /
	D.C. ID OD	FT.	SER. NO.	52463	216236	GELS.	/ /
	STB RMR OD	FT.	DEPTH OUT	1340		WL.-CC'S.	
			DEPTH IN	1340		pH	
			TOTAL FTG.	94		SOLIDS %	
			TOTAL HRS. RUN	13¾			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	2 2 1		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI			TYPE AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT 11½	1.25 FT.	BIT NO.	7	TIME	0600	
1	Hunting	1.41	SIZE	12¼	WEIGHT	9.1	
1	STB RMR OD	6.00 FT.	MFG.	Reed	PRESSURE GRADIENT		
1	D.C. ID OD	31.33 FT.	TYPE	HP43-J	VISC.-SEC.	41	
1	STB RMR OD	7.40 FT.	JETS 1/32"	12 12 12	PV/YP	/	/
1	D.C. ID OD	31.01 FT.	SER. NO.	216236	GELS.	/	/
1	STB RMR OD	7.45 FT.	DEPTH OUT		WL.-CC'S.		
1	7 3/4"	30.19	DEPTH IN	1434	pH	9.5	
1	7 3/4"	29.13	TOTAL FTG.	94	SOLIDS %		
1	7 3/4"	1.45	TOTAL HRS. RUN	13¾			
10	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
1	SINGLES DP	16.87 FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE AMT.
	KELLY DOWN	7.00 FT.					
	TOTAL	1434.02 FT.					
WT. OF STRING	107000 LBS.						

DAY TOUR

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.FL.-P COM.-C.
1270	1404	34			45	20	1700	6¼	54	6¼		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1390	4¾	X	1310	4¾	X			

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0330	3½		Drlg 12¼ Hole
0330	0400	½		Wire Line Survey
0400	0715	3¼		Drlg 12¼ Hole
0715	0745	½		Wire Line Survey
0745	0900	1¼		Drlg 12¼ Hole

DRILLER

DAY TOUR

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.FL.-P COM.-C.
1404	1410	6			45	10	1700	6¼	54	6¼		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1410	1¼	X						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	0930	½	2	Drlg 12¼ Hole.
0930	0945	¼	10	Circ + Survey
0945	1100	1¼	6	Hoist
1100	1200	1	6	Run in Drl Pc to Change String
1200	1330	1½	6	Hoist To Run in Washed String
1330	1430	1	6	Pick up Tools + Make up Same

DRILLER

EVENING TOUR

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.FL.-P COM.-C.
1410					45	10	1700	6¼	54	6¼		
1453	1540	87			45	10	1700	6¼	54	6¼		
1540	1550	10			45	10	1700	6¼	54	6¼		

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1500	1800	3	6	Pick up Tools + Run in
1800	2300	5		Ream Fr 1163 To 1540 (Cmt + Hard)
2300	2400	1		Ream 12¼ To 12½

DRILLER

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION BRANCH
APR 10 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23518

DAILY DRILLING REPORT

REPORT NO. 26

LEASE	WELL NO.	API WELL NUMBER	DATE
PANTHER MOUNTAIN	A-4	AA5-00121-173-UCW	07-26-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6¼	4½ IF	1	1	EMSCO	D-375	16
						2	EMSCO	D-375	16

LEGAL LAND DESCRIPTION: PANTHER MOUNTAIN A-55

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
20"	USS	94.41	6	253		247
		4.48				
	CEMENTED W/ 920 SKS. 3% CAC					

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/8	10	75

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7¾	8¼	4½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE		1	
6. TRIPS		2½	1½
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			½
10. DEVIATION SURVEY	¼	¼	¼
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.	1	1	
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 26

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1.00 FT.	BIT NO.	RR 3	TIME	0100	0330	0600
2	11 DC	64.08	SIZE	17½	WEIGHT	9.1	9.1	9.1
1	STB RMR 11 OD	6.54 FT.	MFG.	REED	PRESSURE GRADIENT	.470	.470	.470
1	D.C. ID 11 OD	29.53 FT.	TYPE	4-3-5	VISC.-SEC.	45	43	42
1	STB RMR 11 OD	1.40 FT.	JETS 1 32"	18 18 18	PV/YP	/	/	/
6	D.C. ID 9 OD	176.79 FT.	SER. NO.	511657	GELS.	/	/	/
1	STB RMR 11 OD	1.45 FT.	DEPTH OUT		WL -CC'S.			
3	7" D.C.	98.66	DEPTH IN	1253	pH	10.5	10.5	10.5
2	6⅝ D.C.	57.48	TOTAL FTG.	63	SOLIDS %			
1	CROSSOVER	2.47	TOTAL HRS. RUN	11¾				
9	STANDS DP	835.79 FT.	COND. 1/8's T/B/ GAGE	4 IN 4 OUT	MUD & CHEMICALS ADDED			
1	SINGLES DP	31.91 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	23.58 FT.			H2O - 6 GPM			
	TOTAL	1193.60 FT.						
WT. OF STRING	114,000 LBS.							

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	2.10 FT.	BIT NO.	RR 3	TIME			
2	11 DC	64.08	SIZE	17½	WEIGHT			
1	STB RMR 11 OD	6.54 FT.	MFG.	REED	PRESSURE GRADIENT			
1	D.C. ID 11 OD	29.53 FT.	TYPE	4-3-5	VISC.-SEC.			
1	STB RMR 11 OD	1.40 FT.	JET 1/32"	18 18 18	PV/YP	/	/	/
6	D.C. ID 9 OD	176.79 FT.	SER. NO.	511657	GELS.	/	/	/
1	STB RMR 11 OD	1.45 FT.	DEPTH OUT	1340	WL -CC'S.			
3	7" D.C.	98.66	DEPTH IN	1258	pH			
2	6⅝ D.C.	57.48	TOTAL FTG.	82	SOLIDS %			
1	CROSSOVER	2.47	TOTAL HRS. RUN	15				
9	STANDS DP	835.79 FT.	COND. 1/8's T/B/ GAGE	1 1 1	MUD & CHEMICALS ADDED			
2	SINGLES DP	61.35 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	15.00 FT.						
	TOTAL	1220.00 FT.						
WT. OF STRING	105,000 LBS.							

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 12¼	1.00 FT.	BIT NO.	6	TIME			
		4.14	SIZE	12¼	WEIGHT			
	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT			
2	D.C. ID OD	12.17 FT.	TYPE	SDHC-5	VISC.-SEC.			
1	STB RMR OD	2.40 FT.	JETS 1/32"	13 13 13	PV/YP	/	/	/
4	D.C. ID OD	119.70 FT.	SER. NO.	822465	GELS.	/	/	/
1	STB RMR OD	1.45 FT.	DEPTH OUT		WL -CC'S.			
3	7" D.C.	98.65	DEPTH IN	1340	pH			
2	6⅝ D.C.	62.08	TOTAL FTG.	50	SOLIDS %			
1	CROSSOVER	2.47	TOTAL HRS. RUN	4¾				
11	STANDS DP	1023.09 FT.	COND. 1 8's T/B/ GAGE	2 1 1	MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	10.41 FT.						
	TOTAL	1252.00 FT.						
WT. OF STRING	85,000 LBS.							

FOOTAGE FROM	FOOTAGE TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'EL-P COM'D-C
1290	1321	41'			40	60	1650	6¾	115	6½	60	D

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1295	3¼	X						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0700	1		DRLG 1290 - 1321
0700	0800	1		WIRELINE SURVEY
0800	0900	1		DRLG 1321 - 1340
0900	1100	2		CIRC & COND MUD

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
APR 4 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23517

DAILY DRILLING REPORT

REPORT NO. 25

LEASE	WELL NO.	API WELL NUMBER	DATE
Painted Mountain	A-4	A-05-40-20-19E-4CW	03-25-74

OPERATOR	CONTRACTOR	RIG NO.
Conoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	W 27	1	1	Emsco	D-800	18
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION: Painted Mountain A-4

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20	UKE	94.81	6	253		243
		Cemented w/ 825 sx. Class G.					

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
7/8	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7¾	6	4
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS		1½	2¾
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¼	¾	¾
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. [illegible]			½
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	25		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.	RR 4	TIME	0100	0330	0615	
1		FT.	SIZE	17½	WEIGHT	9.1	9.0+	9.1	
1	STB RMR OD	FT.	MFG.	REED	PRESSURE GRADIENT	470	467	473	
1	D.C. ID OD	FT.	TYPE	S73-J	VISC.-SEC.	42	51	43	
1	STB RMR OD	FT.	JETS 1/32"	15 15 15	PV/YP	/	/	11/9	
5	D.C. ID OD	FT.	SER. NO.	RJ6558	GELS.	/	/	7/22	
1	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.			13.4	
3			DEPTH IN	1179	pH	10.5	10.5	10.0	
2			TOTAL FTG.	55	SOLIDS %			6.0	
1			TOTAL HRS. RUN	12¼					
9	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	RR4 1/4	MUD & CHEMICALS ADDED				
1	SINGLES DP	FT.	GPM/ PD.-PSI	/ /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.			H2O-78 bbl				
	TOTAL	FT.							
WT. OF STRING		LBS.							

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.	RR 4	TIME	0100			
1		FT.	SIZE	17½	WEIGHT	9.1			
1	STB RMR OD	FT.	MFG.	REED	PRESSURE GRADIENT				
1	D.C. ID OD	FT.	TYPE	S73-J	VISC.-SEC.	42			
1	STB RMR OD	FT.	JET 1/32"	15 15 15	PV/YP	/	/	/	
5	D.C. ID OD	FT.	SER. NO.	RJ6558	GELS.	/	/	/	
1	STB RMR OD	FT.	DEPTH OUT	1208	WL.-CC'S.				
3			DEPTH IN	1179	pH	10.5			
2			TOTAL FTG.	29	SOLIDS %				
1			TOTAL HRS. RUN	16¼					
8	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	3 4 2	MUD & CHEMICALS ADDED				
1	SINGLES DP	FT.	GPM/ PD.-PSI	/ /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	FT.	BIT NO.	1	TIME	1830	2000	2300	
1		FT.	SIZE	17½	WEIGHT	9.1	9.1	9.1	
1	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT				
3	D.C. ID OD	FT.	TYPE	S73-J	VISC.-SEC.	43	42	43	
1	STB RMR OD	FT.	JETS 1/32"	15 15 15	PV/YP	/	/	4/	
3	D.C. ID OD	FT.	SER. NO.	RJ6558	GELS.	/	/	/	
2	STB RMR OD	FT.	DEPTH OUT	1257	WL.-CC'S.				
1			DEPTH IN	1235	pH	10.5	10.5	10.5	
			TOTAL FTG.	22	SOLIDS %				
			TOTAL HRS. RUN	4					
9	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	4 4 4	MUD & CHEMICALS ADDED				
1	SINGLES DP	FT.	GPM/ PD.-PSI	/ /	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARAL.-P COMP.-C.
1203	1234	31'			45	30	1100	6¼	45	6½	48	P
				FUEL 10'6								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1211	3°	X						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0330	3½		DRILLING 17½ HOLE
0330	0345	¼		WIRELINE SURVEY
0345	0800	4¼		DRILLING 17½ HOLE

DRILLER [illegible]

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARAL.-P COMP.-C.
1234	1252	18			45	30	1100	6¼	45	6½	48	P
1252	1258	6				20	1000	6¼	45	6½	48	P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1190	3°	X	1242	3½°	X	1258	3¼	X

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	0845	¾		Drilling 17½ hole
0845	0100	3		Run Survey 5 stands Pull 20 stands
0100	1215	3½		Drill 17½ hole
1215	1230	¼		Circ. - Pump Dry Survey 12½
1230	1430	2		Pull 17½ Hole
1430	1445	¼		Drop Survey
1445	1700	1¼		Pull Dry Drill Collars + 24 jts DP
				Lay Down Stds.

DRILLER [illegible]

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARAL.-P COMP.-C.
1258	1290	32			40	30	1100	6¼	45	6½	50	P
							1000					

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	1215	3¼	X	1290	3°	X			

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1		Finish Out
1700	1730	½		Circulate
1730	1745	¼		Run Totco
1745	2015	2½		Pull Dry Drill Collars
2015	2030	¼		Wireline Survey
2030	2330	3		Pull Dry Drill Collars
2330	0100	1½		Pull Dry Drill Collars

DRILLER [illegible]

Form 3T6

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23516

DAILY DRILLING REPORT REPORT NO. 24

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MOUNTAIN	A-4	A 55-60-30-123-45 M	03-24-74

OPERATOR	CONTRACTOR	RIG NO.
PANCO CANADA LTD.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Leichnitz

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 1/4"	NC 50 IF	1	1	Emsco	D-360	18"
						2	Emsco	D-360	16"

LEGAL LAND DESCRIPTION POINTED MOUNTAIN A-4

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20"	USS	94 H-40	6	253		243
		CEMENTED W/ 830 SKS. 3% CaCl					

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/4"	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6 3/4		2 1/4
3. REAMING			2 1/4
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	3/4		1
7. LUBRICATE RIG			
8. REPAIR RIG	1/2		
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			1/4
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS	8		8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	24
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12 1/4"	1.00	FT.
1	DC 8"	41.14	
	STB RMR OD		FT.
2	D.C. ID 9" OD 6"	62.07	FT.
1	STB RMR OD	2.86	FT.
1	D.C. ID 9" OD 6"	114.70	FT.
1	STB RMR OD	1.45	FT.
3	7" D.C.	88.45	
2	8" D.C.	57.05	
1	7" D.C.	31.00	
	STANDS DP	701.80	FT.
2	SINGLES DP	63.20	FT.
	KELLY DOWN	35.50	FT.
	TOTAL	1175.00	FT.
WT. OF STRING 79,000			LBS.

BIT RECORD

BIT NO.	5
SIZE	12 1/4
MFG.	H-W
TYPE	L W R
JETS 1-32"	16 16 16
SER. NO.	4K5574
DEPTH OUT	
DEPTH IN	1164
TOTAL FTG.	14
TOTAL HRS. RUN	5 3/4
COND. 1/8's T/B/ GAGE	8 1 1
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0230	0430	0600
WEIGHT	9.1	9.1	9.0
PRESSURE GRADIENT	.470	.470	.465
VISC.-SEC.	52	47	43
PV/YP	/	/	12/10
GELS.	/	/	5/18
WL -CC'S.			12
pH	9.0	9.0	9.5
SOLIDS %			5.25
F.C.			2/32

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
CAUSTIC	50#	100#	300#

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
1161	1175	14'			50	25	1000	6 3/6	53	6 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0130	1 1/2		INSTALL NEW ROTATING CHAIN & WORK ON SAME
0130	0215	3/4		RAN IN W/ 12 1/4" BIT & TAGGED TOP OF 3 SKS.
0215	0900	6 3/4		DRILLING 12 1/4" HOLE

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 12 1/4"	1.00	FT.
1	DC 8"	41.14	
	STB RMR OD		FT.
2	D.C. ID 9" OD 6"	62.07	FT.
1	STB RMR OD	2.86	FT.
1	D.C. ID 9" OD 6"	114.70	FT.
1	STB RMR OD	1.45	FT.
3	7" D.C.	88.45	
2	8" D.C.	57.05	
1	7" D.C.	31.00	
	STANDS DP	701.80	FT.
2	SINGLES DP	63.20	FT.
	KELLY DOWN	35.50	FT.
	TOTAL	1175.00	FT.
WT. OF STRING 79,000			LBS.

BIT RECORD

BIT NO.	5 RR4
SIZE	12 1/4 12 1/4
MFG.	H-W H-W
TYPE	L W R L W R
JET 1/32"	16 16 16 16 16 16
SER. NO.	4K5574 4K5574
DEPTH OUT	1171
DEPTH IN	1161 1171
TOTAL FTG.	10
TOTAL HRS. RUN	8 3/4
COND. 1/8's T/B/ GAGE	4 2 2
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0900	1100	
WEIGHT	9.1	9.0	
PRESSURE GRADIENT	.470	.465	
VISC.-SEC.	43	46	
PV/YP	12/10	/	/
GELS.	5/18	/	/
WL -CC'S.	12	11	
pH	9.0	9.0	
SOLIDS %	5.25	5.0	

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	200#	Lig	100#
Lig	50#		

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
1172	1177	4			50	25	1000	6 3/4	53	6 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1171	3/4							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0900	1000	1		Circ. & Cond. Mud
1000	1015	1/4		Trip out
1015	1215	2		Trip in w/ Bit #5 RR4
1215	1530	3 1/4		Ream & Wash 1161 to 1171
1530	1600	1/2		Drill 10' New Hole 1171 to 1181

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP	701.80	FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	RR4
SIZE	12 1/4
MFG.	H-W
TYPE	L W R
JETS 1/32"	
SER. NO.	4K5574
DEPTH OUT	
DEPTH IN	1171
TOTAL FTG.	24
TOTAL HRS. RUN	4 1/2
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	1200	1700	2200
WEIGHT	9.1	9.1	9.2
PRESSURE GRADIENT	.470	.470	.478
VISC.-SEC.	43	43	43
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Soda Ash	300#		
Lig	75#		

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
1177	1203	26		Panco Mtn Sandstone	45	25	700	6 3/4	53	6 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1200	3/4							

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1700	1		Run in w/ Bit #5 RR4
1700	2130	4 1/2		Ream & Wash 1161 to 1171
2130	2400	2 1/2		Drill 32' New Hole 1171 to 1203

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23515

DAILY DRILLING REPORT

REPORT NO. 23

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTER MOUNTAIN	A-4	A-56-40-30-123-45W	03-29-74

OPERATOR	CONTRACTOR	RIG NO.
ARNOLD CANADA LTD.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
K. Johnson	Al Lovelace

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6¼	4½ IF	1	1	EMSCO	D-1600	18
						2	EMSCO	D-700	16

LEGAL LAND DESCRIPTION: POINTER MOUNTAIN A-55

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	20"	USS	94.51	6	253		243
			46				
		CEMENTED W/820 SKS. 3% CaCl					

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/8	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	7¾	13	3¾
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			3
7	LUBRICATE RIG			
8	REPAIR RIG		1	1½
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	¼	½	¾
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	15	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	23		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.	4	TIME	0100	0330	0600
1			SIZE	11¾	WEIGHT	9.0+	9.0+	9.0+
1	STB RMR OD	FT.	MFG.	REED	PRESSURE GRADIENT	.467	.467	.465
1	D.C. ID OD	FT.	TYPE	Y73-J	VISC.-SEC.	45	46	42
1	STB RMR OD	FT.	JETS 1 32"	18 18 18	PV/YP	/	/	13/19
5	D.C. ID OD	146.73 FT.	SER. NO.	814555	GELS.	/	/	3/13
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			11
3			DEPTH IN	1097	pH	9.5	9.5	9.5
			TOTAL FTG.	40	SOLIDS %			5.25
			TOTAL HRS. RUN	9				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.						
	TOTAL	FT.						
WT. OF STRING		LBS.						

FOOTAGE FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COMB-C
1024	1127				45			6¾	45	6½	48	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1095	2°	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0030	½		DRILLING 11" HOLE
0030	0045	¼		WORKING SURVEY
0045	0330	7¼		DRILLING

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.	4	TIME	0700	1300	1900
1			SIZE	11¾	WEIGHT	9+	9+	9+
1	STB RMR OD	FT.	MFG.	REED	PRESSURE GRADIENT	.467	.467	.465
1	D.C. ID OD	FT.	TYPE	Y73-J	VISC.-SEC.	45	46	42
1	STB RMR OD	FT.	JET 1/32"	18 18 18	PV/YP	/	/	/
1	D.C. ID OD	FT.	SER. NO.	814555	GELS.	/	/	/
1	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.			
2	26	88.65	DEPTH IN	1097	pH	9.5	9.5	9.5
2	04.5	37.9	TOTAL FTG.	153	SOLIDS %			5.25
1		2.7	TOTAL HRS. RUN	15¾				
1	STANDS DP	248.65 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	32.80 FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
1	KELLY DOWN	35.9 FT.			NIL			
1	TOTAL	1152.00 FT.						
WT. OF STRING		73000 LBS.						

FOOTAGE FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COMB-C
1127	1152	25'			45	40	1400	6¾	45	6½	48	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1127	2¾	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0700	0730	½		Rig Service, Try To Locate Mud Pump
0730	0830	1		Work Loose Survey
0830	1400	5½		Drlg 11" Hole

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT	FT.	BIT NO.	4	TIME	1900	4	
1			SIZE	11¾	WEIGHT	9+		
1	STB RMR OD	FT.	MFG.	REED	PRESSURE GRADIENT	.467		
1	D.C. ID OD	4.07 FT.	TYPE	Y73-J	VISC.-SEC.	42		
1	STB RMR OD	3.56 FT.	JETS 1/32"	18 18 18	PV/YP	/	/	/
4	D.C. ID OD	146.73 FT.	SER. NO.	814555	GELS.	/	/	/
	STB RMR OD	1.05 FT.	DEPTH OUT		WL -CC'S.			
3			DEPTH IN	1097	pH	9.5		
2			TOTAL FTG.	71	SOLIDS %	5.25		
1			TOTAL HRS. RUN	24				
1	STANDS DP	248.65 FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	32.80 FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.
1	KELLY DOWN	35.9 FT.			NIL			
1	TOTAL	1152.00 FT.						
WT. OF STRING		73000 LBS.						

FOOTAGE FROM	TO	DR-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COMB-C
1152	1167	15'			45	40	1400	6¾	45	6½	48	

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1167	2¾	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1400	1800	4		Drlg 11" Hole
1800	1845	¾		Wire Line Survey & Trip
1845	1930	¾		Drlg 11" Hole
1930	1100	2½		Drlg 25 Stds Wire Line Tools Repair Pump
1100	1130	½		Drlg 11" Hole
1130	1200	½		Circ & Cond Hole For Logs
1200	0300	3		Pull 25 Stds Make Wiper Trip
0300	0330	½		Circ & Cond Hole For Logs

DRILLER

DRILLING CREW PAYROLL DATA

C 23515

DATE MARCH 29/74

WELL NAME & NO. POINTER MOUNTAIN A-4

COMPANY ARNOLD CANADA LTD

TOOL PUSHER Al Lovelace RIG NO. 72

MORNING TOUR 0001 P.M. 0500 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	JOHN GOUSCHUK	12
DRKMAN	[illegible]	ROBERT STELLA	12
MTRMAN	[illegible]	JOHN SPARK	12
FIREMAN			
FLRMAN	[illegible]	ALVIN CAMPBELL	12
FLRMAN	[illegible]	ALVIN BECKMANN	12
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 0500 A.M. 1700 P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	DENNIS ALLISON	12
DRKMAN	[illegible]	MARVIN THOMPSON	12
MTRMAN	[illegible]	GORDON SIMMONS	12
FIREMAN			
FLRMAN	[illegible]	TONY BOSCHMAN	12
FLRMAN	[illegible]	LLOYD AJAX	12
FLRMAN	[illegible]	BOB LAYTON	12

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR ____ P.M. ____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS ____ SINCE LAST LOST TIME ACCIDENT

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APPROVED (Rev. Jan. 1/71)

C 23514

DAILY DRILLING REPORT — REPORT NO. 22

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MOUNTAIN	A-4	055-60-30-127-45W	07-22-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible] Hendrickson	[illegible] Bradley

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 1/4	NC 50 IF	1	1	EMSCO	D-1000	15
						2	EMSCO	D-700	16

LEGAL LAND DESCRIPTION: POINTED MOUNTAIN B-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20"	USS	91.51	6	263		243
			4-H				
		CEMENTED W/ 925 SKS 3% CaCl					

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/4"	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			18½
3.	REAMING	1¼	8	1¼
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.	OTHER			1½
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		6	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO. D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	22		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD	0200	0400	0630
1	BIT HNBR	1046 FT.	BIT NO.	4	TIME		
2	11" DC	60.65	SIZE	17½	WEIGHT	9.1+	9.1+	9.1+
1	STB RMR OD	6.94 FT.	MFG.	REED	PRESSURE GRADIENT			
1	D.C. ID OD	29.53 FT.	TYPE	HP43-J	VISC.-SEC.	43	41	40
1	STB RMR OD	6.40 FT.	JETS 1-32"	18 18 18	PV/YP	/	/	/
1	D.C. ID OD	29.92 FT.	SER. NO.	911459	GELS.	/	/	/
5	STB RMR OD	145.73 FT.	DEPTH OUT		WL.-CC'S.	/	/	/
2	9" DC	84.98	DEPTH IN	1057	pH	9.5	9.5	9.5
2	8¼" DC	57.05	TOTAL FTG.		SOLIDS %			
1	CHS	7.45	TOTAL HRS. RUN					
6	STANDS DP	556.02 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	61.12 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	32.96 FT.						
	TOTAL	1097.00 FT.						
WT. OF STRING	100,000	LBS.						

MORNING TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD			
1	BIT HNBR	1046 FT.	BIT NO.	4A	TIME	1700		
2	11" DC	60.65	SIZE	17½	WEIGHT	9.1	9.1	9.1
1	STB RMR OD	6.94 FT.	MFG.	REED	PRESSURE GRADIENT			
1	D.C. ID OD	29.53 FT.	TYPE	HP43-J	VISC.-SEC.	40	37	37
1	STB RMR OD	6.40 FT.	JET 1/32"	18 18 18	PV/YP	/	/	/
1	D.C. ID OD	29.92 FT.	SER. NO.	911458	GELS.	/	/	/
5	STB RMR OD	146.73 FT.	DEPTH OUT	1057	WL.-CC'S.	/	/	/
2	9" DC	84.98	DEPTH IN	1057	pH	9.5	9.5	9.5
2	8¼" DC	57.05	TOTAL FTG.		SOLIDS %			
1	CHS	7.45	TOTAL HRS. RUN					
6	STANDS DP	556.02 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	61.12 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	32.96 FT.						
	TOTAL	1097.00 FT.						
WT. OF STRING	100,000	LBS.						

DAY TOUR

NO.	DRILLING ASSEMBLY		BIT RECORD	MUD RECORD			
1	BIT HNBR	1046 FT.	BIT NO.	4A	TIME	2100	2300	
2	11" DC	60.65	SIZE	17½	WEIGHT	9.0+	9.0+	9.0+
1	STB RMR OD	6.94 FT.	MFG.	REED	PRESSURE GRADIENT	.465	.465	.465
1	D.C. ID OD	29.53 FT.	TYPE	HP43-J	VISC.-SEC.	36	38	44
1	STB RMR OD	6.40 FT.	JETS 1/32"	18 18 18	PV/YP	/	/	/
1	D.C. ID OD	29.92 FT.	SER. NO.	911458	GELS.	/	/	/
5	STB RMR OD	146.73 FT.	DEPTH OUT	1057	WL.-CC'S.	/	/	/
2	9" DC	84.98	DEPTH IN	1057	pH	9.5	9.5	9.5
2	8¼" DC	57.05	TOTAL FTG.		SOLIDS %			
1	CHS	7.45	TOTAL HRS. RUN					
6	STANDS DP	556.02 FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	61.12 FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	32.96 FT.			GEL	250#		
	TOTAL	1097.00 FT.			GELEX	1#		
WT. OF STRING	100,000	LBS.			H2O-8-10 BBL			

EVENING TOUR

FOOTAGE — FORMATION (SHOW CORE RECOVERY) — MORNING TOUR

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COMB.-C
1057					35	3000	900	6¾	58	6½		S
965	1046											

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0145	1¾		MAKE UP NEW DRILLING ASSEMBLY & RUN IN TO 965
0145	0800	6¼		REAMING IN W. WALL & MAIN STR. FROM 965—1046

DRILLER [illegible]

FOOTAGE — FORMATION (SHOW CORE RECOVERY) — DAY TOUR

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COMB.-C
446	770			324	40	2	100	6¾	60	6½		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1600	8		Rotary drilling 12¼" hole from 965 to 1057 TD

DRILLER [illegible]

FOOTAGE — FORMATION (SHOW CORE RECOVERY) — EVENING TOUR

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COMB.-C
770	1057		3/2									
957	1004											

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
[illegible]				

DRILLER

DRILLING CREW PAYROLL DATA

DATE MARCH 22-74 — C 23514

WELL NAME & NO. POINTED MOUNTAIN A-4

COMPANY AMOCO CANADA LTD.

TOOL PUSHER [illegible] Bradley — RIG NO. 72

MORNING TOUR 0001 P.M. 0800 A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	JOHN GOUSENNK	12
DRKMAN	[illegible]	BARRY STEVA	12
MTRMAN	[illegible]	JOHN SAMM	12
FIREMAN			
FLRMAN	[illegible]	KEN CAMPBELL	12
FLRMAN	[illegible]	MERK HARKMAN	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR 0800 A.M. [illegible] P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	DENNIS ANDERSON	12
DRKMAN	[illegible]	[illegible]	12
MTRMAN	[illegible]	[illegible]	12
FIREMAN			
FLRMAN	[illegible]	[illegible]	12
FLRMAN	[illegible]	[illegible]	12
FLRMAN	[illegible]	[illegible]	12

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR _____ P.M. _____ P.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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C 23513

DAILY DRILLING REPORT REPORT NO. 21

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MOUNTAIN	A-4	ASC-60-30-123-45W	03-21-74
OPERATOR	**CONTRACTOR**		**RIG NO.**
AMOCO CANADA LTD.	LOFFLAND BROTHERS COMPANY		72
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**		
	Lee Loffler		

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
5"	19.50	E	6 7/8	4 1/2 IF	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	EMSCO	D-360	14
2	EMSCO	D-360	14

LEGAL LAND DESCRIPTION POINTED MTN FIELD A-4

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20"	USS	94#	6	253		243
			H-40				

SIZE 7/32 NO. LINES 10 FT. SLIPPED

FT. CUT OFF PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

COMMENCED MIRU 830 HRS. 3/20 CSG

DRILLING CREW PAYROLL DATA

DATE MARCH 21/74 C 23513

WELL NAME & NO. POINTED MOUNTAIN A-4

COMPANY AMOCO CANADA LTD.

TOOL PUSHER Lee Loffler RIG NO. 72

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	7½	8	8½
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			1½
7	LUBRICATE RIG			
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	½		
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS		8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO./D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17½	1.25	FT.
1	8" Sub	4.00	
	STB RMR OD		FT.
3	D.C. ID OD	84.61	FT.
1	STB RMR OD	6.00	FT.
1	D.C. ID OD	184.77	FT.
1	STB RMR OD	6.45	FT.
6	STANDS DP	556.2	FT.
9	SINGLES DP	84.42	FT.
	KELLY DOWN	40.00	FT.
	TOTAL	1026.50	FT.
WT. OF STRING		100,000	LBS.

BIT RECORD

BIT NO.	3
SIZE	17½
MFG.	REED
TYPE	FP-53
JETS 1 32"	18 18 18
SER. NO.	R1857
DEPTH OUT	
DEPTH IN	889
TOTAL FTG.	116
TOTAL HRS. RUN	7½
COND. 1/8"s T/B GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	0001	0300	0630
WEIGHT	9.2+	9.2+	9.1
PRESSURE GRADIENT	483	483	473
VISC.-SEC.	45	43	45
PV/YP	/	/	19/10
GELS.	/	/	6/16
WL -CC'S.			10
pH	9.5	9.5	10.0
SOLIDS %			6.2

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
MUSH	50 SX		
GEL	20 SX		
CELLEX	4 SX		

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM.-C
1634	1650	D	21		48	30	900	6½	58	6½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1640	3	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6	8	DRILLING 17½ HOLE
0600	0630	½	10	WIRELINE SURVEY
0630	1700	10½	8	DRILLING 17½ HOLE

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17½	1.25	FT.
1	8" Sub	4.00	
	STB RMR OD		FT.
3	D.C. ID OD	271.61	FT.
1	STB RMR OD	6.00	FT.
1	D.C. ID OD	184.77	FT.
1	STB RMR OD	6.45	FT.
7	STANDS DP	651.2	FT.
9	SINGLES DP	84.42	FT.
	KELLY DOWN	40.00	FT.
	TOTAL	1255.50	FT.
WT. OF STRING		120,000	LBS.

BIT RECORD

BIT NO.	3
SIZE	17½
MFG.	REED
TYPE	FP-53
JET 1/32"	18 18 18
SER. NO.	R1857
DEPTH OUT	
DEPTH IN	889
TOTAL FTG.	156
TOTAL HRS. RUN	9½
COND. 1/8"s T/B GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	0430	1300	1700
WEIGHT	9.2	9.1	9.1
PRESSURE GRADIENT	473	473	473
VISC.-SEC.	46	42	45
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
BARITE	200 SX	WATER	2000 BBL

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM.-C
1055	1069	D		14	48	25	700	6½		6½	53	5
1069	1075	D		6	48	25	700	6½	60			5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0700	MIRU		8	Drilling 17½ Hole

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17½	1.25	FT.
1	8" Sub	4.00	
	STB RMR OD		FT.
3	D.C. ID OD	271.61	FT.
1	STB RMR OD	6.00	FT.
1	D.C. ID OD	184.77	FT.
1	STB RMR OD	6.45	FT.
7	STANDS DP	651.2	FT.
9	SINGLES DP	84.42	FT.
	KELLY DOWN	40.00	FT.
	TOTAL	1255.50	FT.
WT. OF STRING		120,000	LBS.

BIT RECORD

BIT NO.	3
SIZE	17½
MFG.	REED
TYPE	FP-53
JET 1/32"	18 18 18
SER. NO.	R1857
DEPTH OUT	
DEPTH IN	889
TOTAL FTG.	156
TOTAL HRS. RUN	9½
COND. 1/8"s T/B GAGE	
GPM/ PD-PSI	/

MUD RECORD

TIME	1900	2000	
WEIGHT	9.1	9.1	
PRESSURE GRADIENT	470	470	
VISC.-SEC.	44	45	
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.	10		
pH	9.5	9.5	
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM.-C
1675	1677	D			48	25	900	6½	58	6½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1677	1¾	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1600	2		Circ. & Cond. Mud
1600	1615	¼	10	Wireline Survey
1615	1700	2		Pull 12 Stds.
				Run DP to Bottom & Circ. & Cond. Mud

DRILLER

MORNING TOUR

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	Ted Loschuk	12
DRKMAN	[illegible]	Robert Stella	12
MTRMAN	[illegible]	Tom Gould	12
FIREMAN			
FLRMAN	[illegible]	Allen Crawford	12
FLRMAN	[illegible]	Mike Beckman	12
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	[illegible]	[illegible]	12
DRKMAN	[illegible]	[illegible]	12
MTRMAN	[illegible]	[illegible]	12
FIREMAN	[illegible]	[illegible]	12
FLRMAN	[illegible]	[illegible]	12
FLRMAN	[illegible]	[illegible]	12
FLRMAN	[illegible]	[illegible]	12

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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APPROVED (Rev. Jan. 1/71)

C 23512

DAILY DRILLING REPORT — REPORT NO. 20

LEASE	WELL NO.	API WELL NUMBER	DATE
POINTED MOUNTAIN	A-4	A-55-Lo-30-123-WSW.	03-30-74

OPERATOR	CONTRACTOR	RIG NO.
AMOCO CANADA LTD.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Bill Breakey

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4½ IF	1	1	EMSCO	D-1000	15
						2	EMSCO	D-700	14

LEGAL LAND DESCRIPTION: POINTED MOUNTAIN A-4

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20	USS	94.0	6	253		247
					Cemented w/approx. 700 Cu.		

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1	RIG UP AND TEAR DOWN			
2	DRILL ACTUAL	7¾	7½	7¾
3	REAMING			
4	CORING			
5	CONDITION MUD & CIRCULATE			
6	TRIPS			
7	LUBRICATE RIG			
8	REPAIR RIG			
9	CUT OFF DRILLING LINE			
10	DEVIATION SURVEY	¼	½	¼
11	WIRE LINE LOGS			
12	RUN CASING & CEMENT			
13	WAIT ON CEMENT			
14	NIPPLE UP B.O.P.			
15	TEST B.O.P.			
16	DRILL STEM TEST			
17	PLUG BACK			
18	SQUEEZE CEMENT			
19	FISHING			
20	DIR. WORK			
21				

COMPLETION: A. PERF'R'T'N | B. TBG TRIPS | C. TREATING | D. SWABBING | E. TESTING | F. ADDIT'N'L | G.

TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD: 20

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17½	1.25	FT.
1	DC SUB	4.00	
	STB RMR OD		FT.
3	D.C. ID 11.00 OD	89.41	FT.
1	STB RMR OD	1.60	FT.
6	D.C. ID 9.00 OD	176.77	FT.
1	STB RMR OD	1.46	FT.
3	7" DC	86.05	
2	8" DC	57.08	
1	CR	2.46	
5"	STANDS DP	462.52	FT.
9	SINGLES DP	13.44	FT.
	KELLY DOWN	40.15	FT.
	TOTAL	915.00	FT.

WT. OF STRING 72,000 LBS.

BIT RECORD

BIT NO.	3
SIZE	17½
MFG.	REED
TYPE	YT9-3
JETS 1/32"	18 18 18
SER. NO.	216577
DEPTH OUT	
DEPTH IN	999
TOTAL FTG.	79
TOTAL HRS. RUN	13¾
COND. 1/8's T/B/ GAGE	2 4 1/16 I
GPM/ PD–PSI	/ /

MUD RECORD

TIME	0001	0400	0700
WEIGHT	9.1	9.0+	9.2
PRESSURE GRADIENT			
VISC.–SEC.	43	37	42
PV/YP	/	/	/
GELS.	/	/	/
WL.–CC'S.			
pH	10.0	9.5	10.0
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	100 SX		
GELEX	6 SX		
H20–52	1200 GAL		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17½	1.25	FT.
1	DC SUB	4.00	
	STB RMR OD		FT.
3	D.C. ID OD	89.41	FT.
1	STB RMR OD	1.60	FT.
6	D.C. ID OD	176.77	FT.
1	STB RMR OD	1.46	FT.
3	7" DC	86.05	
2	8" DC	57.08	
1	CR	2.46	
5"	STANDS DP	462.52	FT.
9	SINGLES DP	13.44	FT.
	KELLY DOWN	40.15	FT.
	TOTAL	915.00	FT.

WT. OF STRING 72,000 LBS.

BIT RECORD

BIT NO.	3
SIZE	17½
MFG.	REED
TYPE	YT9-3
JETS 1/32"	18 18 18
SER. NO.	216577
DEPTH OUT	
DEPTH IN	999
TOTAL FTG.	79
TOTAL HRS. RUN	13¾
COND. 1/8's T/B/ GAGE	2 4 1/16 I
GPM/ PD–PSI	/ /

MUD RECORD

TIME	0700	1200	1720
WEIGHT	9	9.0	9.1
PRESSURE GRADIENT			
VISC.–SEC.	40	40	41
PV/YP	/	/	/
GELS.	/	/	/
WL.–CC'S.			
pH	10.0	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	100 SX		
GELEX	6 SX		
H20–52	1200 GAL		

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17½	1.25	FT.
1	DC SUB	4.00	
	STB RMR OD		FT.
3	D.C. ID OD	89.41	FT.
1	STB RMR OD	1.60	FT.
6	D.C. ID OD	176.77	FT.
1	STB RMR OD	1.46	FT.
3	7" DC	86.05	
2	8" DC	57.08	
1	CR	2.46	
5"	STANDS DP	462.52	FT.
9	SINGLES DP	13.44	FT.
	KELLY DOWN	40.15	FT.
	TOTAL	915.00	FT.

WT. OF STRING 72,000 LBS.

BIT RECORD

BIT NO.	3
SIZE	17½
MFG.	REED
TYPE	YT9-3
JETS 1/32"	18 18 18
SER. NO.	216577
DEPTH OUT	
DEPTH IN	999
TOTAL FTG.	79
TOTAL HRS. RUN	13¾
COND. 1/8's T/B/ GAGE	2 4 1/16 I
GPM/ PD–PSI	/ /

MUD RECORD

TIME	1720	2000	2230
WEIGHT	9.1	9.2	9.2
PRESSURE GRADIENT			
VISC.–SEC.	41	42	42
PV/YP	/	/	/
GELS.	/	/	/
WL.–CC'S.			
pH	9.5	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
GEL	100 SX		
GELEX	6 SX		
H20–52	1200 GAL		

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SOL.–S PART'L–P COM'L–C
922	965		46		47	30	1100	6¼	107	6½	58	C
					47	30	900	6¼	58			C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
945	2°	S						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0500	5½	2	DRILLING 17½ HOLE
0500	0600	¼	10	WIRELINE SURVEY
0600	0700	1	2	DRILLING 17½ HOLE

DRILLER

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SOL.–S PART'L–P COM'L–C
965	1003	D		38'	47	30	1100	6¼	47	6½	45	C
					47	30	1100	6¼	61	6½	63	C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
1003	2°	S						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1430	8½	2	Drlg 17½ Hole
1430	1500	½	10	Wire Line Survey
1500	1600	1	2	Drlg 17½ Hole

DRILLER

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SOL.–S PART'L–P COM'L–C
1003	1094	D			47	30	1100	6¼	58	6½		C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1715	3¼	2	Drlg 17½ Hole
1715	1730	¼	10	Wire Line Survey
1730	2000	2½	2	Drlg 17½ Hole

DRILLER

DRILLING CREW PAYROLL DATA

DATE: MARCH 30/74 — C 23512

WELL NAME & NO.: POINTED MOUNTAIN A-4

COMPANY: AMOCO CANADA LTD.

TOOL PUSHER: Bill Breakey — RIG NO. 72

MORNING TOUR — P.M. 0400 — A.M.

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	466 065 [illegible]	JOHN COUCHUR	8
DRKMAN	465 661 [illegible]	BARRY SMITH	8
MTRMAN	465 121 [illegible]	JOHN SPARS	8
FIREMAN			
FLRMAN	466 [illegible]	GLEN CAMPBELL	8
FLRMAN	469 [illegible]	MARK BELLMORE	8
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAY TOUR — A.M. 0800 — P.M. 2000

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER	466 [illegible]	DENNIS MOUNTAIN	12
DRKMAN	466 [illegible]	MARVIN FOREMAN	12
MTRMAN	466 [illegible]	EDDIE SWEENEY	12
FIREMAN			
FLRMAN	466 [illegible]	JAY HARRISON	12
FLRMAN	466 [illegible]	LARRY DOG	12
FLRMAN	466 [illegible]	DAVE LAYTON	12

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

EVENING TOUR — P.M. _____ — P.M. _____

CREW	SOC. SEC. NO.	NAME	HRS.
DRILLER			
DRKMAN			
MTRMAN			
FIREMAN			
FLRMAN			
FLRMAN			
FLRMAN			

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

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APPROVED (Rev. Jan. 1/71)


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
APR 4 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23511

DAILY DRILLING REPORT REPORT NO. 12

LEASE	WELL NO.	API WELL NUMBER	DATE
Pinon Mtn	14-4	A-55-16-30-123-45 W	03-11-24

OPERATOR	CONTRACTOR	RIG NO.
Bruce Canon Ltd	LOFFLAND BROTHERS COMPANY	42

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	A. Loofbourrow

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8	4 1/2 IF	1	1	Ensco	D-100	8"
						2	Ensco	D-90	8"

LEGAL LAND DESCRIPTION Pinon Mountain A-55

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
20"	H-40	94	6	252		273
	Consolidated Wade Shoe			32' cut		

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/2"		

FT. CUT OFF PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	13½		5
3. REAMING		4½	
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	1	3	3
7. LUBRICATE RIG			
8. REPAIR RIG			1½
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¼		
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Other	½	½	½
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	15	8	9½

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	11		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17½	1.26	FT.
1	Bit Sub	4.22	
	STB RMR OD		FT.
3	D.C. ID 11 OD	89.11	FT.
1	STB RMR 17½ OD	6.11	FT.
1	D.C. ID 7" OD	30.32	FT.
1	STB RMR 17½ OD	1.45	FT.
3	7" DC	88.45	
2	6 3/4 DC	57.08	
1	X/O	2.45	
11	STANDS DP	318.11	FT.
2	SINGLES DP	66.36	FT.
	KELLY DOWN	36.41	FT.
	TOTAL	597.42	FT.
WT. OF STRING	95,000		LBS.

BIT RECORD

BIT NO.	2
SIZE	17½
MFG.	Reed
TYPE	HP43J
JETS 1/32"	18 18 16
SER. NO.	5HE941
DEPTH OUT	529
DEPTH IN	381
TOTAL FTG.	509
TOTAL HRS. RUN	22¼
COND. 1/8's T/B GAGE	3 6 I
GPM/ PD-PSI	/ /

MUD RECORD

TIME	0600	1700	0600
WEIGHT	9.0	9.0	9.0
PRESSURE GRADIENT			
VISC.-SEC.	41		37
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	10
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	200	Lime	50
Soda Ash	50		

FOOTAGE / FORMATION

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
252	381				45	40	1100	6¼	49	6½	58	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
850	1½	X						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0230	2½	2	Drilling 17½ Hole
0230	0345	¼	21	Survey
0345	0700	3¼	2	Drilling 17½ Hole
0700	0800	1	6	Wash to Bot
				Increase Mud Wt to 9.0

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17½	1.26	FT.
1	Bit Sub	4.00	
	STB RMR OD		FT.
3	D.C. ID 11 OD	89.11	FT.
1	STB RMR 17½ OD	6.11	FT.
1	D.C. ID 7" OD	30.32	FT.
1	STB RMR 17½ OD	1.45	FT.
3	7" DC	88.45	
2	6 3/4 DC	57.08	
1	X/O	2.45	
11	STANDS DP	318.29	FT.
2	SINGLES DP	64.91	FT.
	KELLY DOWN	36.52	FT.
	TOTAL	597.42	FT.
WT. OF STRING	95,000		LBS.

BIT RECORD

BIT NO.	3
SIZE	17½
MFG.	Reed
TYPE	HP43J
JET 1/32"	18 18 16
SER. NO.	5HE957
DEPTH OUT	899
DEPTH IN	529
TOTAL FTG.	370
TOTAL HRS. RUN	16¼
COND. 1/8's T/B GAGE	3 6 I
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1400		
WEIGHT	9.0		
PRESSURE GRADIENT			
VISC.-SEC.	37		
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.0		
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
H2O-Mud			

FOOTAGE / FORMATION

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
381								6¼		6½		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0030	½	6	Clean out Mud Pits
0030	0930	9	21	Change B.H.A. Pick up Bit #3 17½ Reed HP43J
0930	0930	½	6	Run in Hole to Bot
0930	1400	4½	2	Drilling 17½ Hole
				Run 11 Jts 13⅜ 54.5# K-55 BTC Csg to 529' Ran Stab-in Guide Shoe & Float Collar
				Pump 1 Bbl Water Ahead
				Cement with 1000 Sx Class G Cement + 2% CaCl2
				Displace with 75 Bbls Water
				Bump Plug with 1000 PSI Float Held OK

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17½	1.25	FT.
1	Bit Sub	4.00	
	STB RMR OD		FT.
3	D.C. ID 9" OD	92.11	FT.
1	STB RMR 17½ OD	6.11	FT.
1	D.C. ID 7" OD	30.32	FT.
1	STB RMR 17½ OD	1.45	FT.
30	D.C.	88.45	
2	6 3/4 DC	57.08	
1	X/O	2.45	
5	STANDS DP	462.52	FT.
	SINGLES DP		FT.
	KELLY DOWN	36.52	FT.
	TOTAL	742.54	FT.
WT. OF STRING	95,000		LBS.

BIT RECORD

BIT NO.	3
SIZE	17½
MFG.	Reed
TYPE	HP43J
JETS 1/32"	18 18 16
SER. NO.	5HE957
DEPTH OUT	922
DEPTH IN	899
TOTAL FTG.	33
TOTAL HRS. RUN	5
COND. 1/8's T/B GAGE	3 6 I
GPM/ PD-PSI	/ /

MUD RECORD

TIME	1600	2000	0600
WEIGHT	9.0	9.0	9.0
PRESSURE GRADIENT			
VISC.-SEC.	40		40
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	10	10.5	10
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	25#	Lime	15#
	25#		

FOOTAGE / FORMATION

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
381	922	D		33'	45	35	1100	6¼	41	6½		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1645	¾	6	Finish Running In Hole
1645	1715	½	21	Break Circ & W.T.B. (No Fill)
1715	1530	1¾	2	Drlg 17½ Hole
1530	2015	1¾	8	Mud Up For Trip and Work on Pumps
				Prep for Tripping
2015	2130	¼	2	Drilling 17½ Hole

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


MAR 27 1974

C 23510

DAILY DRILLING REPORT — REPORT NO. 18

LEASE	WELL NO.	API WELL NUMBER	DATE
Pinon M T W	A-4	A-45-26-36-138-4501	02-6-74

OPERATOR	CONTRACTOR	RIG NO.
Hixon Devon Ltd	LOFFLAND BROTHERS COMPANY	12

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	Al Bushey

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4"	16.60	E	6 1/4	4 1/2 IF	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-1000	12"
2	Emsco	D-700	11"

LEGAL LAND DESCRIPTION: Pinon Mesa Unit #4-56

	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
LAST CASING TUBING OR LINER	20"	[illegible]	94 H-40	4	93'		93'
			42				
		Conductor w/ Rat Hole & Mouse Hole					

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/4"	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	6	7 3/4	6
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		1/4	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	6	8	6

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	18
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 17 1/2	1.35 FT.	BIT NO.	1	TIME	2	5	6
1	B.S. Sub	4.00	SIZE	17 1/2	WEIGHT	8.5	8.5	8.5
	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT		.452	
3	D.C. ID 11" OD	89.41 FT.	TYPE	HP-J	VISC.-SEC.	43	40	35
1	STB RMR OD	FT.	JETS 1 32"	16 16 16	PV/YP	/	16/5	/
1	D.C. ID OD	1.16 FT.	SER. NO.	516940	GELS.	/	2/6	/
1	STB RMR OD	1.45 FT.	DEPTH OUT		WL.-CC'S.		12	
3	9" DC	86.65 FT.	DEPTH IN	386	pH	9.5	9.0	9.5
2	6 1/4 DC	62.06 FT.	TOTAL FTG.	387	SOLIDS %		3	
1	Sub	2.47 FT.	TOTAL HRS. RUN	4 3/4	Sand		trc	
	STANDS DP	FT.	COND. 1/8" T.B. GAGE	2 2	MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	41.00 FT.			Caustic	100#		
	TOTAL	773.87 FT.			Gel	300#		
WT. OF STRING		LBS.						

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 17 1/2	1.35 FT.	BIT NO.	2	TIME	0800	1200	1410
1	B.S. Sub	4.00	SIZE	17 1/2	WEIGHT	8.5+	8.9+	9.0
	STB RMR OD	FT.	MFG.	REED	PRESSURE GRADIENT	.452	.467	.465
3	D.C. ID 11" OD	98.41 FT.	TYPE	HP-J	VISC.-SEC.	36	37	43
1	STB RMR OD	1.60 FT.	JET 1/32"	16 16 16	PV/YP	/	/	/
6	D.C. ID OD	171.77 FT.	SER. NO.	516940	GELS.	/	/	/
1	STB RMR OD	1.45 FT.	DEPTH OUT		WL.-CC'S.			
3	7" DC	88.15	DEPTH IN	387	pH	9.5	9.0	9.5
2	6 1/4 DC	57.08	TOTAL FTG.	425	SOLIDS %			
1	Sub	2.47	TOTAL HRS. RUN	5 1/2				
4	STANDS DP	369.69 FT.	COND. 1/8's T/B/ GAGE	Running	MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	19.43 FT.			GEL	540#		
	TOTAL	823.00 FT.			GELEX	20#		
WT. OF STRING	93,000	LBS.			AQUA-CLEAR	50#		
					420-K-(28%)			

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD			
1	BIT 17 1/2	1.35 FT.	BIT NO.	2	TIME	1600		1000
1	B.S. Sub	4.00	SIZE	17 1/2	WEIGHT	9.0+		9.0
	STB RMR OD	FT.	MFG.	REED	PRESSURE GRADIENT	.467		.462
3	D.C. ID OD	89.41 FT.	TYPE	HP-J	VISC.-SEC.	49		71
1	STB RMR OD	1.60 FT.	JETS 1/32"	16 16 16	PV/YP	/	/	16/4
6	D.C. ID OD	171.77 FT.	SER. NO.	516940	GELS.	/	/	2/4
1	STB RMR OD	1.45 FT.	DEPTH OUT		WL.-CC'S.			11.5
3	7" DC	88.15	DEPTH IN	387	pH	9.5		11.5
2	6 1/4 DC	57.08	TOTAL FTG.	425	SOLIDS %			11.5
1	Sub	2.47	TOTAL HRS. RUN	5 1/2	Sand			1.25
4	STANDS DP	369.69 FT.	COND. 1/8's T/B/ GAGE	2 2	MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	FT.			420-K-(28%)			
	TOTAL	FT.						
WT. OF STRING		LBS.						

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.D-C
429	773	D		Core #1 Fire Extinguishers	45	40	900	14"	44	11"	58	P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0600	6	2	Drilling 17 1/2" Hole

DRILLER

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.D-C
773	910	D			45	40	1100	14"	44	11"	58	P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	764	1 3/4	A						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0915	3 1/4	2	Drilling 17 1/2 Hole
0915	0930	1/4	10	Wireline Survey
0930	1100	1 1/2	2	Drilling 17 1/2 Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.D-C
910	956	D		Pump & Clean Pit Comp	45	40	1100	13"	44	11"	58	P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	2400	13	2	Drilling 17 1/2 Hole

DRILLER

Form 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23509

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	17		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	FT.	BIT NO.		TIME		
1		FT.	SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP		
	D.C. ID OD	FT.	SER. NO.		GELS.		
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	FT.	BIT NO.		TIME		
1		FT.	SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP		
	D.C. ID OD	FT.	SER. NO.		GELS.		
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
1	BIT	FT.	BIT NO.		TIME		
1		FT.	SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP		
	D.C. ID OD	FT.	SER. NO.		GELS.		
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23508

DAILY DRILLING REPORT

REPORT NO. 14

LEASE	WELL NO.	API WELL NUMBER	DATE
Fowler M.T.N	A-4	A-55-20-30-133-45 01	8-16-74

OPERATOR	CONTRACTOR	RIG NO.
Mesa Canyon Ltd	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	Al Lindsey

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
5"	19.50	E	6 3/4	4 1/2 IF	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Ersco	D-800	16"
2	Ersco	D-800	16"

LEGAL LAND DESCRIPTION: Fowler M.T.N. A-4 - 55

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
20"	U.S.	94 H-40	1	253		243
		40.5				
	Cameron	Weld-on	30" csg			

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/16	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	4	6 3/4	7 3/4
3. REAMING	2		
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	2		1 1/2
7. LUBRICATE RIG		1/4	
8. REPAIR RIG			
CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. T&G TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	14		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17 1/2	1.25	FT.
1	7 x 5 DC	90	
	STB RMR OD		FT.
3	D.C. ID OD	87.41	FT.
1	STB RMR OD	1.46	FT.
1	D.C. ID OD	176.21	FT.
1	STB RMR OD	1.45	FT.
3	7" DC	88.15	
1	6 3/4 DC	29.54	
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.

WT. OF STRING 75,000 LBS.

BIT RECORD

BIT NO.	1	2
SIZE	17 1/2	12 1/2
MFG.	Reed	Reed
TYPE	43 J	43 J
JETS 1 32"	16 16 16	12 12 12
SER. NO.	SU274	FU696
DEPTH OUT	386	
DEPTH IN	243	386
TOTAL FTG.	143	44
TOTAL HRS. RUN	3 1/2	4
COND. T/B/ GAGE	5 2 Out	
GPM/ PD-PSI	/	/

MUD RECORD

TIME		0400	0600
WEIGHT		8.7	8.7
PRESSURE GRADIENT			
VISC.-SEC.		38	38
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH		9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	100	Lime	

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D-C
386	430	D			45	40	1100	6 3/4	97	6 1/2	88	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0001	0200	2	1	Move Fin Bit & Run in with 12" D.
0200	0400	2	3	Ream under Gage Hole Fr 312 to 386 - 17'
0400	0600	4	2	Drilling 17 1/2" Hole

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17 1/2	1.25	FT.
1	8" DC	90	
	STB RMR OD		FT.
3	D.C. ID OD	88.41	FT.
1	STB RMR OD	1.46	FT.
6	D.C. ID OD	176.79	FT.
1	STB RMR OD	1.46	FT.
3	7 D.C.	88.65	
8	6 3/4 DC	87.08	
1	Sub	2.47	
	STANDS DP		FT.
1	SINGLES DP	31.75	FT.
	KELLY DOWN	46.14	FT.
	TOTAL	654.00	FT.

WT. OF STRING 90,000 LBS.

BIT RECORD

BIT NO.	2	
SIZE	12 1/2	
MFG.	Reed	
TYPE	43 J	
JETS 1/32"	12 12 12	
SER. NO.	SU696	
DEPTH OUT		
DEPTH IN	386	
TOTAL FTG.	95	
TOTAL HRS. RUN	10 3/4	
COND. T/B/ GAGE	5 2 1	
GPM/ PD-PSI	/	/

MUD RECORD

TIME	0800	1200	1400
WEIGHT	8.7	8.7	8.8
PRESSURE GRADIENT			
VISC.-SEC.	43	44	42
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.0	9.5	9.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Caustic	100#		
H2O	100 bbl	20 Min	

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D-C
430	491	D			40	45	1100	6 3/4	97	6 1/2	88	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	0630	1/2	8	Drilling 17 1/2 Hole
0630	0915	3 1/4	7-21	Rig Service & Pump Rpr
0915	0945	1/2	21	Drilling out Rat Hole
0945	1100	1 1/4	2	Drilling 17 1/2 Hole

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17 1/2	1.25	FT.
1	Reed	90	
	STB RMR OD		FT.
3	D.C. ID OD	87.41	FT.
1	STB RMR OD	1.46	FT.
6	D.C. ID OD	176.21	FT.
1	STB RMR OD	1.45	FT.
5	7" DC	88.15	
2	6 3/4 DC	57.08	
1	Sub	2.47	
	STANDS DP	41.75	FT.
1	SINGLES DP	31.75	FT.
	KELLY DOWN	51.00	FT.
	TOTAL	542.03	FT.

WT. OF STRING 70,000 LBS.

BIT RECORD

BIT NO.	3	
SIZE	12 1/2	
MFG.	Reed	
TYPE	J3-J	
JETS 1/32"	12 12 12	
SER. NO.	SU696	
DEPTH OUT		
DEPTH IN	386	
TOTAL FTG.	157	
TOTAL HRS. RUN	16 1/4	
COND. T/B/ GAGE	2 2 1	
GPM/ PD-PSI	/	/

MUD RECORD

TIME	1600	1830	2000
WEIGHT	8.8	8.8	8.8
PRESSURE GRADIENT			
VISC.-SEC.	37	42	44
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH	9.5	9.5	8.5
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
Gel	50		
Gelex	10		

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D-C
491	545	D			40	45	1100	6 3/4	97	6 1/2	88	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
545	1/2	S						

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1130	1/2	8	Drilling 17 1/2 Hole
1130	2400	12 1/2	2	
2400	0530	5 1/2	2	

DRILLER

TOTAL DAY WORK: 24

TOTAL DAY WORK: 24

TOTAL DAY WORK: 24

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23507

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Powell Ltd	A-4	42-55-10-32-193-45	3-10-24
OPERATOR		CONTRACTOR	RIG NO.
Rocky Canyon Exp		LOFFLAND BROTHERS COMPANY	22
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	
		Al Lovelace	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8	H90 IF	1	1	Emsco	D-700	15"
						2	Emsco	D-700	15"

LEGAL LAND DESCRIPTION Powell Ltd A-4 - 55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20	USS	94	6	253		243
				44			
		Converted		1452	5453	32' KB	5485

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/16	10	

FT. CUT OFF PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	7¾	7	5
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			1¼
7. LUBRICATE RIG			
8. REPAIR RIG		½	
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY	¼		¼
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Ream		½	1½
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	15		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
1	BIT 17½	1.35 FT.	BIT NO.	#1	TIME	
1	Bit Sub	4.00	SIZE	17½	WEIGHT	8
	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT	
3	D.C. ID OD	271.01 FT.	TYPE	J33-J	VISC.-SEC.	27
1	STB RMR 9⅝ OD	1.00 FT.	JETS 1:32"	18 18 18	PV/YP	/ / /
1	D.C. ID OD	121.79 FT.	SER. NO.	B1124	GELS	/ / /
1	STB RMR 9⅝ OD	1.45 FT.	DEPTH OUT		WL -CC'S	
1	Cr 9⅝	2.44	DEPTH IN	243	pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE AMT.	TYPE AMT.
	KELLY DOWN	FT.			Bent 50#	
	TOTAL	FT.			Gel 40#	
WT. OF STRING		LBS.				

MORNING TOUR

FOOTAGE FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COM D.C.
243	299	D			60	35	800	6½	60			S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	246	¾	X						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	700	7¾	2	Drilling 17½" Hole
700	800	¼	10	Survey

Depth Cleaned Out 299'

DRILLER

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD			
1	BIT 17½	1.26 FT.	BIT NO.	#1	TIME	800	1200	2400
1	9⅝ Sub	4.00	SIZE	17½	WEIGHT	8.4	8.4	8.5+
	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT			
3	D.C. ID OD	90.41 FT.	TYPE	J33-J	VISC.-SEC.	32	32	31
1	STB RMR OD	1.00 FT.	JET 1/32"	18 18 18	PV/YP	/	/	/
6	D.C. ID OD	182.79 FT.	SER. NO.	B1124	GELS	/	/	/
	STB RMR OD	1.45 FT.	DEPTH OUT		WL -CC'S			
2	T.C.	0.92	DEPTH IN	243	pH	9.5	9.5	9.5
1	Cr	2.47	TOTAL FTG.	105	SOLIDS %			
8	HWDP		TOTAL HRS. RUN	9½				
	STANDS DP	FT.	COND. 1/8's T.B. GAGE	4 Rounded	MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	12.91 FT.			Gel	40#		
	TOTAL	348.00 FT.			Chem	10#		
WT. OF STRING	71,000	LBS.			H2O	450bbl	for	hole

DAY TOUR

FOOTAGE FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COM D.C.
299	348	D			65	45	1100	6½	47	6½	58	S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0000	0530	½	8	Work on Mud Manifold
0530	0700	1½	2	Drilling 17½" Hole
0700	0730	½	21-7	Rig Service Pick up 1 DC
0730	0930	2	2	Drilling 17½" Hole

Inspected Clean Suction Tank.

DRILLER

DRILLING ASSEMBLY (At end of tour) — BIT RECORD — MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD			
1	BIT 17½	1.35 FT.	BIT NO.	1	TIME	1100		
1	9⅝ Sub	4.00	SIZE	17½	WEIGHT	8.7		
	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT			
3	D.C. ID OD	271.01 FT.	TYPE	J33-J	VISC.-SEC.	35		
1	STB RMR 9⅝ OD	1.00 FT.	JETS 1/32"	18 18 18	PV/YP	/	/	/
6	D.C. ID OD	182.79 FT.	SER. NO.	B1124	GELS	/	/	/
1	STB RMR 9⅝ OD	1.45 FT.	DEPTH OUT	351	WL -CC'S			
3	T DC	86.15	DEPTH IN	243	pH	9.5		
			TOTAL FTG.	108	SOLIDS %			
			TOTAL HRS. RUN	9½				
	STANDS DP	FT.	COND. 1/8's T.B. GAGE		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	12.91 FT.						
	TOTAL	348.00 FT.						
WT. OF STRING	71,000	LBS.						

EVENING TOUR

FOOTAGE FROM	TO	DR.-D RM-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL-S PARL-P COM D.C.
348	351	D		Leak Test	65	45	1100	6½	47	6½	58	S
				To 250 psi for 5 min								
				Good Test								

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
	325	¾	X						

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1145	¾	6	Wait on Loggers. Drill Cellar to Run Leak Test
1145	1315	1½	21	Pull up to Leak Test & Test Same
1315	1345	½	6	Run in w/ D.C.
1345	2115	7½	2	Drilling 17½" Hole
2115	2130	¼	8	Survey
2130	2400	2½	2	Drilling

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23506

DAILY DRILLING REPORT — REPORT NO. 10

LEASE	WELL NO.	API WELL NUMBER	DATE
Pinto U T N	A-4	A-55-Lc-3c-123-45 L	03-14-74

OPERATOR	CONTRACTOR	RIG NO.
Mobil Cabot Ltd	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
	C L Lockhart

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/4	4 1/2 H	1	1	Emsco	D-1000	16"
						2	Emsco	D-700	16"

LEGAL LAND DESCRIPTION: Pinto Unit A-4-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20	USS	94 H-40		353		343
	Cement to surface with 350 sks						

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/8	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			13½
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			1½
6. TRIPS	1		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.	1½		
15. TEST B.O.P.	5½	3½	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. OTHER	1	½	
22. FINISH		4	
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	14		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 14¾	1.25	FT.
1	Bit Sub	4.20	
	STB RMR OD		FT.
3	D.C. ID 11" OD	94.41	FT.
1	STB RMR 5/8 OD	1.40	FT.
3	D.C. ID 7" OD	93.09	FT.
1	STB RMR 9/16 OD	1.45	FT.
1	C/O	2.47	
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN	39.00	FT.
	TOTAL	343.00	FT.

WT. OF STRING 40,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	17½
MFG.	Reed
TYPE	4J3
JETS 1/32"	18 18 18
SER. NO.	811674
DEPTH OUT	
DEPTH IN	343
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
N/A			

MORNING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PART'L-P COM'P.-C
343												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	cc 30	½	14	Finish nipping up Top Cement at 120'
cc 30				Rig up Abar Rock up 3 to 11" DCs & break
	c 130	1	21	12¼" B.T.
c 130	c 230	1		Make up Bit & Run Pick up 9" DC
c 230	0600	5½	15	Try to Clear Hydrill Work on mouse hole

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17½	1.25	FT.
1	Bit Sub	4.20	
	STB RMR OD		FT.
3	D.C. ID 11" OD	94.41	FT.
1	STB RMR 5/8 OD	1.40	FT.
4	D.C. ID 7" OD	124.04	FT.
1	STB RMR 9/16 OD	1.45	FT.
1	C/O	2.47	
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN	39.00	FT.
	TOTAL	343.00	FT.

WT. OF STRING 40,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	17½
MFG.	Reed
TYPE	4J3
JET 1/32"	18 18 18
SER. NO.	811674
DEPTH OUT	
DEPTH IN	343
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
N/A			

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL.-S PART'L-P COM'P.-C
343					30	4	500	6½	45	6½		5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	11	3	15	Work on accumulator.
11	11			Press Hydril & WL to 1500 PSI Hydril OK.
11	14	3½	22	Drill plug float, cement
			21	

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
1	BIT 17½	1.25	FT.
1	Bit Sub	4.20	
	STB RMR OD		FT.
3	D.C. ID 11" OD	94.41	FT.
1	STB RMR 5/8 OD	1.40	FT.
4	D.C. ID 7" OD	124.04	FT.
1	STB RMR 9/16 OD	1.45	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN	39.00	FT.
	TOTAL	343.00	FT.

WT. OF STRING 45,000 LBS.

BIT RECORD

BIT NO.	6
SIZE	17½
MFG.	Reed
TYPE	4J3
JETS 1/32"	18 18 18
SER. NO.	811674
DEPTH OUT	943
DEPTH IN	343
TOTAL FTG.	600
TOTAL HRS. RUN	23½
COND. 1/8's T/B/ GAGE	
GPM/ PD--PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL -CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.
N/A			

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.,D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PART'L-P COM'P.-C
943	943				30	5	500	6½	45	6½		5

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1	1	1	3	Pulled 1 std DC
1	1	1	3	Pulled 1 std DC
1	1	1½	3	Pulled 1 std DC
1	1	2	3	Pulled 1 std DC
1	1	2	3	Pulled 1 std DC
1	1	2

C 23505

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
Bunted Ltd	4-4	11-50 10-30-120-45 wi	03-13-24
OPERATOR		**CONTRACTOR**	**RIG NO.**
Amoco Prod Co		LOFFLAND BROTHERS COMPANY	72
SIGNATURE OF OPERATOR'S REPRESENTATIVE		**SIGNATURE OF CONTRACTOR'S TOOL PUSHER**	
K Wade		R Brooks	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5"	19.50	E	6 5/8"	NC50	1	1	Fuse	D-600	12"
						2	Fuse	D-600	12"

LEGAL LAND DESCRIPTION: Bunted Ltd 4-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20"	Unk	94#	4	150		248

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/16	16	

FT. CUT OFF: | PRESENT LENGTH:

TON MI. OR TRIPS SINCE LAST CUT:

CUMULATIVE TON MI. OR TRIPS:

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.	E	B	F
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	E	B	F

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	13		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI	/	/	/

MUD RECORD				
TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.-SEC.				
PV/YP	/	/	/	
GELS.	/	/	/	
WL -CC'S.				
pH				
SOLIDS %				
MUD & CHEMICALS ADDED				
TYPE	AMT.	TYPE	AMT.	

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
243												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
Move	0200	2	1	Move on Loffland Rig #72 Rig up Rig Repair Test with To Hrs Held OKEY
0200	0400	2	14	Nipple up BoPs

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI	/	/	/

MUD RECORD				
TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.-SEC.				
PV/YP	/	/	/	
GELS.	/	/	/	
WL -CC'S.				
pH				
SOLIDS %				
MUD & CHEMICALS ADDED				
TYPE	AMT.	TYPE	AMT.	

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
243								6 3/4		6 3/4		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0200	1100	9	14	Nipple up BoPs

DRILLER L. Bunted

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI	/	/	/

MUD RECORD				
TIME				
WEIGHT				
PRESSURE GRADIENT				
VISC.-SEC.				
PV/YP	/	/	/	
GELS.	/	/	/	
WL -CC'S.				
pH				
SOLIDS %				
MUD & CHEMICALS ADDED				
TYPE	AMT.	TYPE	AMT.	

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.-P COM.-C
243												

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1200	1	14	Nipple up BoPs & Packing Accumulator Testing

DRILLER

EVENING TOUR

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 27 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 23504

DAILY DRILLING REPORT — REPORT NO. 12

LEASE	WELL NO.	API WELL NUMBER	DATE
Pointed Mtn.	A-4	A-55-L-30-123-4-W	March 12

OPERATOR	CONTRACTOR	RIG NO.
Amoco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S TOOL PUSHER — L. H. Finch

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 H	1	1	Emsco	D-1100	19
						2	Emsco	D-700	11

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
20"		11#	6			

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
15	10	

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT	1		
13. WAIT ON CEMENT	4	8	5
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. Wild Cat # 3			
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	5	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	12		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
	BIT	FT.	BIT NO.				TIME				
			SIZE				WEIGHT				
	STB RMR OD	FT.	MFG.				PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE				VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"				PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.				GELS	/	/	/	
	STB RMR OD	FT.	DEPTH OUT				WL -CC'S				
			DEPTH IN				pH				
			TOTAL FTG.				SOLIDS %				
			TOTAL HRS. RUN								
	STANDS DP	FT.	COND. 1/8's T.B. GAGE				MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.									
	TOTAL	FT.									
	WT. OF STRING	LBS.									

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
240								6 1/2		6 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2:00	00:30	1/2	12	Cement Casing
00:30	06:45	6 1/4	12	Pull Plug to Casing
06:45	01:00	1/2	12	Displace plug.
01:00	2:00	1	12	W.O.C., Cut flow Line, Take Flow Line Out Around Cellar Out of Sump, Dig Cellar Out or Clean. Cutting Conductor Pipe.
2:00	7:00	7		

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
	BIT	FT.	BIT NO.				TIME				
			SIZE				WEIGHT				
	STB RMR OD	FT.	MFG.				PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE				VISC.-SEC.				
	STB RMR OD	FT.	JET 1/32"				PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.				GELS	/	/	/	
	STB RMR OD	FT.	DEPTH OUT				WL -CC'S				
			DEPTH IN				pH				
			TOTAL FTG.				SOLIDS %				
			TOTAL HRS. RUN								
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE				MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.									
	TOTAL	FT.									
	WT. OF STRING	LBS.									

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
240								6 1/2		6 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6:00	12:00	6	12	Circ Mud Tank Drill Cement Pumps, Pick Cement out of Cellar & WOC
12:00	1:00	1		

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
	BIT	FT.	BIT NO.				TIME				
			SIZE				WEIGHT				
	STB RMR OD	FT.	MFG.				PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE				VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"				PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.				GELS	/	/	/	
	STB RMR OD	FT.	DEPTH OUT				WL -CC'S				
			DEPTH IN				pH				
			TOTAL FTG.				SOLIDS %				
			TOTAL HRS. RUN								
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE				MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.									
	TOTAL	FT.									
	WT. OF STRING	LBS.									

FOOTAGE FROM	FOOTAGE TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
								6 3/4		6 1/2		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1:00	2:00	5	12	W. O. C. & Clean Cement out of Cellar
2:00	2:30	1/2		Cut off Conductor & Weld on Head
2:30	3:30	1		Nipple up B.O.P.

DRILLER

EVENING TOUR

FORM 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


CONSERVATION
MAR 19 1974
YELLOWKNIFE, N.W.T.

C 23506

DAILY DRILLING REPORT REPORT NO. 14

LEASE	WELL NO.	API WELL NUMBER	DATE
Panter H T N	A-4	A-55-60-20-103-45	03-14-74

OPERATOR	CONTRACTOR	RIG NO.
Apco Canada Ltd	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
T. Hall	A. Lueshen

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	4 1/2 H	1	1	Emsco	D-400	15"
						2	Emsco	D-700	16"

LEGAL LAND DESCRIPTION Panter Hunter H-4-55

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT
	20	USS	94.50		353		343
			H-40				
	Cemented		with 350 sks		32 cut		

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1 3/16	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			12
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			1½
6. TRIPS	1		
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.	½		
15. TEST B.O.P.	5½	3½	
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21. ATTMPT	1	½	
22. CIRC		4	
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD	14		
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 14 3/4	1.25 FT.	BIT NO.	6	TIME				
1	Bit Sub	11.00	SIZE	17 1/2	WEIGHT				
	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT				
3	D.C. ID 11" OD	89.61 FT.	TYPE	43 J	VISC.-SEC.				
1	STB RMR 9 5/8 OD	1.46 FT.	JETS 1 32"	18 18 18	PV/YP	/	/	/	
3	D.C. ID 9" OD	93.07 FT.	SER. NO.	816474	GELS.	/	/	/	
1	STB RMR 9 5/8 OD	1.45 FT.	DEPTH OUT		WL.-CC'S.				
1	C/O	2.47	DEPTH IN	243	pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	40.00 FT.							
	TOTAL	343.00 FT.							
WT. OF STRING	60,000 LBS.								

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 17 1/2	1.25 FT.	BIT NO.	6	TIME				
1	Bit Sub	11.00	SIZE	17 1/2	WEIGHT				
	STB RMR OD	FT.	MFG.	REED	PRESSURE GRADIENT				
3	D.C. ID 11" OD	89.61 FT.	TYPE	43 J	VISC.-SEC.				
1	STB RMR OD	1.46 FT.	JET 1/32"	18 18 18	PV/YP	/	/	/	
4	D.C. ID OD	124.04 FT.	SER. NO.	816474	GELS.	/	/	/	
1	STB RMR OD	1.46 FT.	DEPTH OUT		WL.-CC'S.				
1	C/O	2.47	DEPTH IN	243	pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	40.00 FT.							
	TOTAL	343.00 FT.							
WT. OF STRING	70,000 LBS.								

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 17½	1.25 FT.	BIT NO.	6	TIME				
1	Bit Sub	11.00	SIZE	17½	WEIGHT				
	STB RMR OD	FT.	MFG.	Reed	PRESSURE GRADIENT				
3	D.C. ID 11" OD	89.61 FT.	TYPE	43 J	VISC.-SEC.				
1	STB RMR OD	1.46 FT.	JETS 1/32"	18 18 18	PV/YP	/	/	/	
4	D.C. ID OD	124.04 FT.	SER. NO.	816474	GELS.	/	/	/	
1	STB RMR OD	1.46 FT.	DEPTH OUT	343	WL.-CC'S.				
1	C/O	2.47	DEPTH IN	243	pH				
			TOTAL FTG.	100	SOLIDS %				
			TOTAL HRS. RUN	2¾					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	40.00 FT.							
	TOTAL	383.00 FT.							
WT. OF STRING	70,000 LBS.								

MORNING TOUR

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
343												

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0130	½	14	Finish tripping up Top Cement at 220'
0130				Rig up Hoa Rak up 8½" DCs & Equip
	0150	1	21	Pick up Bit
0150	0230	1		Make up Bit & Run Rak up 9" DC
0230	0600	5½	15	Try To Close Hydrill Work on mouthpiece

DRILLER

DAY TOUR

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
343					30	4	500	6½	46	6½		5

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1100	3	15	Work on accumulator
1100	1130	½		Press Hydril & Pipe Rams to 1500 psi Held OK
1130	1445	3¼	22	Drill Plug & Cement
1445			21	

DRILLER

EVENING TOUR

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C
943	2400	3			30	20	500	6½	46	6½		5

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1400	3	2	Drilling 12¼" Hole
1400	1900	5	5	Circ & Cond Hole for Logs
1900	2400	5	14	Trip out for Logs
2400	0130	1½	14	Finish tripping out
0130	0600	4½	2	Drilling 12¼" Hole

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23503

DAILY DRILLING REPORT

REPORT NO. 11

LEASE	WELL NO.	API WELL NUMBER	DATE
Lewis Fed	A-4	A-[illegible]-C-30-123-45[illegible]	[illegible]

OPERATOR	CONTRACTOR	RIG NO.
Pan American Pet. Corp.	LOFFLAND BROTHERS COMPANY	22

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Leroy T. Chapman	W. T. [illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	[illegible]	E	[illegible]	[illegible]	1	1	Emsco	D-700	16
						2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
[illegible]	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	8	8	
3. REAMING	5	6	
4. CORING			
5. CONDITION MUD & CIRCULATE		1½	1
6. TRIPS		2	
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY		¼	
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	8	8	8

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 11

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT	1.70 FT.	BIT NO.	2 RR	TIME	1500	0800		
1	[illegible]	9.20	SIZE	7⅞	WEIGHT	9.5	9.5		
	STB RMR OD	FT.	MFG.	Smith	PRESSURE GRADIENT				
3	D.C. ID OD	91.14 FT.	TYPE	K2	VISC.-SEC.	40	42		
1	STB RMR OD	1.60 FT.	JETS 1 32nds		PV/YP	/	/	/	
2	D.C. ID OD	62.81 FT.	SER. NO.	300	GELS.	/	/	/	
1	STB RMR OD	1.47 FT.	DEPTH OUT		WL.-CC'S.				
1	[illegible]	2.49	DEPTH IN	227	pH	10	9.5		
			TOTAL FTG.	11	SOLIDS %				
			TOTAL HRS. RUN	14					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	[illegible]	MUD & CHEMICALS ADDED				
2	SINGLES DP	63.01 FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	14.30 FT.			Gel	50sx			
	TOTAL	144.00 FT.							
WT. OF STRING		53,000 LBS.							

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
234	240	R	6		70	5-10	[illegible]	6¼	53	6¾	58	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0800	8	3	Reaming 7⅞" hole to 240'

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 2nd	1.70 FT.	BIT NO.	2 RR	TIME	1500	0800		
1	Bit Sub	9.20	SIZE	7⅞	WEIGHT	9.5	9.5		
	STB RMR OD	FT.	MFG.	Smith	PRESSURE GRADIENT				
3	D.C. ID OD	91.14 FT.	TYPE	K2	VISC.-SEC.	40	42		
1	STB RMR OD	1.60 FT.	JET 1/32"		PV/YP	/	/	/	
2	D.C. ID OD	62.81 FT.	SER. NO.	300	GELS.	/	/	/	
1	STB RMR OD	1.47 FT.	DEPTH OUT	240	WL.-CC'S.				
1	7⅞	240	DEPTH IN	227	pH	10	9.5		
			TOTAL FTG.	13	SOLIDS %				
			TOTAL HRS. RUN	16					
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	[illegible]	MUD & CHEMICALS ADDED				
2	SINGLES DP	63.01 FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	14.30 FT.			Gel	50sx			
	TOTAL	144.00 FT.							
WT. OF STRING		53,000 LBS.							

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
240	243	R			70	5/10	1400	6¼	52	6¾	58	P

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
243	¾	E						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0800	1100	3	2	Reaming 7⅞" hole to 243'
1100	1230	1½	5	Circ. Sample Pan To Buddy Coy
1230	1500	2½	6	Hoist & Survey

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
	BIT	FT.	BIT NO.		TIME				
			SIZE		WEIGHT				
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE		VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.				
			DEPTH IN		pH				
			TOTAL FTG.		SOLIDS %				
			TOTAL HRS. RUN						
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.							
	TOTAL	FT.							
WT. OF STRING		LBS.							

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.
243								6¼		6¾		

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1500	1730	1½	11	Trip To Break Bit
1730	1830	1	5	Rig & Run Log
1830	2330	4	12	Rig Log 30"
2330	2430	1	5	Circ Clean
2430	0030	½	12	Attempting Log

DRILLER

FORM 3T6

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23502

DAILY DRILLING REPORT REPORT NO. 10

LEASE	WELL NO.	API WELL NUMBER	DATE
Imperial Mtn.	A-4	A-55-10-30-123-2 W4	8 January

OPERATOR	CONTRACTOR	RIG NO.
Home Express Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
Ray Kenny	L. Hall

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.
4	16.60	E	6 5/8	4 1/2 H	1

PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
1	Emsco	D-700	16
2	Emsco	D-700	16

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
13	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL	4		
3. REAMING	12	8	6
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS	1½		2
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS	24		

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD 10

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT	1.25 FT.	BIT NO.	3A	TIME	4:00
1	26 H-O	3.65	SIZE	26	WEIGHT	9.2
1	STB RMR OD	4.00 FT.	MFG.	Security	PRESSURE GRADIENT	
3	D.C. ID OD	92.11 FT.	TYPE	L-4-J	VISC.-SEC.	47
1	STB RMR OD	1.00 FT.	JETS 1/32"	20 20 20	PV/YP	4 / 7
2	D.C. ID OD	62.07 FT.	SER. NO.	301	GELS.	4 / 7
1	STB RMR OD	1.45 FT.	DEPTH OUT	243	WL -CC'S.	24
1		3.07	DEPTH IN	232	pH	10.0
			TOTAL FTG.	11	SOLIDS %	
			TOTAL HRS. RUN	¼		
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	2 1 1	MUD & CHEMICALS ADDED	
1	SINGLES DP	34.52 FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	1.33 FT.				
	TOTAL	210.00 FT.				
WT. OF STRING	58,000	LBS.				

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT 17½	1.25 FT.	BIT NO.	3A	TIME	
1	26 H-O	7.15	SIZE	26	WEIGHT	
1	STB RMR OD	4.00 FT.	MFG.	Security	PRESSURE GRADIENT	
3	D.C. ID OD	89.11 FT.	TYPE	L-4-J	VISC.-SEC.	
1	STB RMR OD	1.00 FT.	JETS 1/32"	20 20 20	PV/YP	/
2	D.C. ID OD	62.07 FT.	SER. NO.	301	GELS.	/
1	STB RMR OD	1.45 FT.	DEPTH OUT	243	WL -CC'S.	
1	6 P	3.07	DEPTH IN	232	pH	
			TOTAL FTG.	11	SOLIDS %	
			TOTAL HRS. RUN	¼		
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED	
1	SINGLES DP	34.52 FT.	GPM/ PD-PSI	/	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	1.33 FT.				
	TOTAL	210.00 FT.				
WT. OF STRING	58,000	LBS.				

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
1	BIT	FT.	BIT NO.	3A	TIME	
			SIZE	26	WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
242	243	D		1	50	3/4	650	6¾	62	6¾		S
207	232	R		14	50	3/4	500	6¾	62	6¾		S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	2415	¼	2	Drlg 12¼ Hole.
2415	0145	1½	6	Pull out of hole. Pick up Core Bbl. Run In.
0145	0800	4½	3	Core from 232 to 243 Ft.

S.A.W. 2400

DRILLER

DAY TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S. P. M.	METHOD RUN SGL.-S PARL.-P COM.-C
221	239	R			50	3/4	500	6¾				S

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1100	5	2	Drilling Reaming 17½" Hole to 26" Hole

DRILLER

EVENING TOUR

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. 1 LINER SIZE	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE	PUMP NO. 2 S.P.M.	METHOD RUN SGL.-S PARL.-P COM.-C
239	247	R		8	25	35	450	6¾	62	6½	15	P
					70	3/4-800	1,2	53	62	53		P

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1100	1500	4	4	Wait For Bit Change out M-O & B.H. Run in
1500	2400	6	3	Core 17½ Hole To 26"

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 23501

DAILY DRILLING REPORT

REPORT NO. 1

LEASE	WELL NO.	API WELL NUMBER	DATE
Federal Nix.	A-4	A-45-[illegible]	[illegible]

OPERATOR	CONTRACTOR	RIG NO.
Harco Canada Ltd.	LOFFLAND BROTHERS COMPANY	72

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER
[illegible]	[illegible]

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
5	19.50	E	6 5/8	XH	1	1	Emsco	D-700	12
						2	Emsco	D-700	12

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
1/2	10	

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION -- HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL		12	7
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS		1	
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			1/4
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.	OTHER			1/2
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS			12	12

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	1
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 17 1/2	1135 FT.	BIT NO.	4A	TIME	1600	1200	2400
1	[illegible]	4.20	SIZE	17 1/2	WEIGHT	[illegible]	[illegible]	9.5
	STB RMR OD	FT.	MFG.	Hug	PRESSURE GRADIENT			
3	D.C. ID OD	30.41 FT.	TYPE	S1-J	VISC.-SEC.	95	105	86
1	STB RMR OD	1.10 FT.	JETS 1 32"	20 20	PV/YP	/	/	/
2	D.C. ID OD	62.17 FT.	SER. NO.	212608	GELS.	/	/	/
1	STB RMR OD	1.40 FT.	DEPTH OUT		WL -CC'S.			
1	17 1/2	2.47	DEPTH IN	207	pH	10.0	10.0	10.0
			TOTAL FTG.	23	SOLIDS %			
			TOTAL HRS. RUN	12				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
1	SINGLES DP	31.24 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	31.00 FT.			Gel	100		
	TOTAL	230.21 FT.			Lime	700		
WT. OF STRING		55,000 LBS.			Caustic	100		
					KCL	100		

FOOTAGE FROM	FOOTAGE TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL--S PARTL--P COMPL--C
220	230	D		10	50	20	1000	6 1/2	60			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
2400	0230	2 1/2	2	Drlg 17 1/2 Hole

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD			MUD RECORD			
1	BIT 17 1/2	1.35 FT.	BIT NO.	4 H	5 H	TIME	1-	1-	
1	Sec 30B	4.00	SIZE	17 1/2	17 1/2	WEIGHT	9.4	9.5	9.5
	STB RMR OD	FT.	MFG.	Reed	Smith	PRESSURE GRADIENT			
3	D.C. ID OD	89.11 FT.	TYPE	S1-J	L4-J	VISC.-SEC.	96	98	102
1	STB RMR OD	1.00 FT.	JET 1/32"	22 22	20 20 20 X 20	PV/YP	/	/	/
2	D.C. ID OD	62.17 FT.	SER. NO.	512408	BB166	GELS.	/	/	/
1	STB RMR OD	1.40 FT.	DEPTH OUT	232		WL -CC'S.			
1	5/6	2.49	DEPTH IN	207	232	pH	9.5	9.5	9.5
			TOTAL FTG.	26	3	SOLIDS %			
			TOTAL HRS. RUN	16 3/4	1 3/4				
	STANDS DP	FT.	COND. 1/8's T/B GAGE	2 3		MUD & CHEMICALS ADDED			
	SINGLES DP	FT.	GPM/ PD-PSI	/	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	42.00 FT.				Fresh			
	TOTAL	233.19 FT.							
WT. OF STRING		58,000 LBS.							

FOOTAGE FROM	FOOTAGE TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL--S PARTL--P COMPL--C
230	335	D			50	20	150	6 1/2	60			S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
0600	1245	4 3/4	2	Drilling 17 1/2 Hole
1245	1315	1/2	1	Hose For Bit & Ream in 1 Std 5H
1315	1415	1	21	Open Pin To Btm
1415	1615	2	2	Drilling 17 1/2 Hole

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD				
1	BIT 17 1/2	1.35 FT.	BIT NO.	5H	TIME	1100	1200	1100
1	Sec 30B	4.00	SIZE	17 1/2	WEIGHT	9.5	9.5	9.5
	STB RMR OD	FT.	MFG.	Smith	PRESSURE GRADIENT			
3	D.C. ID OD	30.41 FT.	TYPE	L4-J	VISC.-SEC.	100	97	107
1	STB RMR OD	1.10 FT.	JETS 1/32"	20 20 20	PV/YP	/	/	/
2	D.C. ID OD	62.17 FT.	SER. NO.	RE 166	GELS.	/	/	/
1	STB RMR OD	1.40 FT.	DEPTH OUT		WL -CC'S.			
1	17 1/2	2.47	DEPTH IN	232	pH	9.5	9.5	9.5
			TOTAL FTG.	10	SOLIDS %			
			TOTAL HRS. RUN	1 1/2				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED			
2	SINGLES DP	63.11 FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE	AMT.
	KELLY DOWN	1.00 FT.			Gel	100		
	TOTAL	94.19 FT.			Lime	700		
WT. OF STRING		58,000 LBS.			Caustic	100		
					KCL	100		

FOOTAGE FROM	FOOTAGE TO	DR..D RM--R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL--S PARTL--P COMPL--C
335	344	D			50	20	1000	6 1/2	60	6 1/2		S

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION
335	3/4	S						

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
1600	1715	1 1/4	21	Open Pin & Survey
1715	2400	7 3/4	2	Drlg 17 1/2 Hole

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21880

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	FOOTAGE TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	FOOTAGE TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	FOOTAGE TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21879

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.				
HRS. W/OPR. D.P.				
HRS. WO/D.P.				
HRS. STANDBY				
TOTAL DAY WORK				
NO. OF DAYS FROM SPUD				
CUMULATIVE ROTATING HRS.				
TOTAL MUD COST				

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	/	MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI		TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.,D RM.–R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L.–P COM'D.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	/	MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI		TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.,D RM.–R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L.–P COM'D.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE	/	MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI		TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.,D RM.–R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L.–P COM'D.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21878

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE | NO. LINES | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/ D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.–SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	
	D.C. ID OD	FT.	SER. NO.		GELS.	
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD–PSI		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COM.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.–SEC.	
	STB RMR OD	FT.	JET 1/32"		PV/YP	
	D.C. ID OD	FT.	SER. NO.		GELS.	
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD–PSI		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COM.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.–SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	
	D.C. ID OD	FT.	SER. NO.		GELS.	
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD–PSI		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARL.–P COM.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 19 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 21877

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.–P COM.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.–S PAR.–P COM.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.–P COM.–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 8 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 21876

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		**CONTRACTOR** LOFFLAND BROTHERS COMPANY	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8"s T/B GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.-SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD-PSI	/	TYPE / AMT.	TYPE	AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
	WT. OF STRING	LBS.					

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.FL.-P COM.D.-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21875

DAILY DRILLING REPORT — REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		**CONTRACTOR** LOFFLAND BROTHERS COMPANY	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
						1			
						2			

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION — HOURS

CODE NO. — OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
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14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
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17. PLUG BACK			
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19. FISHING			
20. DIR. WORK			
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23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL–S PAR'EL–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL–S PAR'EL–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS.	/	/
	STB RMR OD	FT.	DEPTH OUT		WL.–CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL–S PAR'EL–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21874

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.	
HRS. W/OPR. D.P.	
HRS. WO/D.P.	
HRS. STANDBY	
TOTAL DAY WORK	
NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL–S PAR'L–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL–S PAR'L–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL–S PAR'L–P COM'D–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21873

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		**CONTRACTOR** LOFFLAND BROTHERS COMPANY	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE | NO. LINES | FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO.	OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
23.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
TOTALS				

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T.B. GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JET 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.	
SIZE	
MFG.	
TYPE	
JETS 1/32"	
SER. NO.	
DEPTH OUT	
DEPTH IN	
TOTAL FTG.	
TOTAL HRS. RUN	
COND. 1/8's T/B/ GAGE	
GPM/ PD-PSI	

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL.-P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21872

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		**CONTRACTOR** LOFFLAND BROTHERS COMPANY	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

WIRE LINE RECORD REEL NO.

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD		
SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF		PRESENT LENGTH
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD	
CUMULATIVE ROTATING HRS.	
TOTAL MUD COST	

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
	BIT		FT.
	STB	RMR OD	FT.
	D.C.	ID OD	FT.
	STB	RMR OD	FT.
	D.C.	ID OD	FT.
	STB	RMR OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
	BIT		FT.
	STB	RMR OD	FT.
	D.C.	ID OD	FT.
	STB	RMR OD	FT.
	D.C.	ID OD	FT.
	STB	RMR OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		FT.
	BIT		FT.
	STB	RMR OD	FT.
	D.C.	ID OD	FT.
	STB	RMR OD	FT.
	D.C.	ID OD	FT.
	STB	RMR OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD			
BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI			

MUD RECORD			
TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP			
GELS.			
WL -CC'S.			
pH			
SOLIDS %			
MUD & CHEMICALS ADDED			
TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR.,D RM.,R CORE.,C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR.EL-P COM.D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21871

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
	D-4		
OPERATOR		CONTRACTOR: LOFFLAND BROTHERS COMPANY	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARAL.–P COM.–C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.–S PARAL.–P COM.–C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/		

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PARAL.–P COM.–C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
MAR 8 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 21870

DAILY DRILLING REPORT REPORT NO. Amoco A-4 Pointed Mountain A-55

LEASE	WELL NO.	API WELL NUMBER	DATE
			6

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | METHOD RUN SGL.–S PAR.EL.–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S. P. M. | METHOD RUN SGL.–S PAR.EL.–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	D.C. ID OD		FT.
	STB RMR OD		FT.
	STANDS DP		FT.
	SINGLES DP		FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.

FORMATION (SHOW CORE RECOVERY)

ROTARY RPM | WT. ON BIT 1000# | PUMP PRESS | PUMP NO. LINER SIZE | PUMP NO. S.P.M. | PUMP NO. LINER SIZE | PUMP NO. S. P. M. | METHOD RUN SGL.–S PAR.EL.–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN
MAR 11 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 21869

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
			25
OPERATOR		CONTRACTOR: LOFFLAND BROTHERS COMPANY	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
	BIT	FT.	BIT NO.				TIME				
			SIZE				WEIGHT				
	STB RMR OD	FT.	MFG.				PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE				VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"				PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.				GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT				WL -CC'S.				
			DEPTH IN				pH				
			TOTAL FTG.				SOLIDS %				
			TOTAL HRS. RUN								
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE				MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.									
	TOTAL	FT.									
WT. OF STRING		LBS.									

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
	BIT	FT.	BIT NO.				TIME				
			SIZE				WEIGHT				
	STB RMR OD	FT.	MFG.				PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE				VISC.-SEC.				
	STB RMR OD	FT.	JET 1/32"				PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.				GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT				WL -CC'S.				
			DEPTH IN				pH				
			TOTAL FTG.				SOLIDS %				
			TOTAL HRS. RUN								
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE				MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.									
	TOTAL	FT.									
WT. OF STRING		LBS.									

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
	BIT	FT.	BIT NO.				TIME				
			SIZE				WEIGHT				
	STB RMR OD	FT.	MFG.				PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE				VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"				PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.				GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT				WL -CC'S.				
			DEPTH IN				pH				
			TOTAL FTG.				SOLIDS %				
			TOTAL HRS. RUN								
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE				MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.									
	TOTAL	FT.									
WT. OF STRING		LBS.									

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L.-P COM'D.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6

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A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21868

DAILY DRILLING REPORT — REPORT NO.

LE	WELL NO.	API WELL NUMBER	DATE 24
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF — PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/DPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 — APPROVED — APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21867

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR LOFFLAND BROTHERS COMPANY	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
COMPLETION B. TBG TRIPS			
COMPLETION C. TREATING			
COMPLETION D. SWABBING			
COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L.–P COM'D.–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.–S PAR'L.–P COM'D.–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR'L.–P COM'D.–C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21866

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO.	– OPERATION	MORN.	DAY	EVE.
1.	RIG UP AND TEAR DOWN			
2.	DRILL ACTUAL			
3.	REAMING			
4.	CORING			
5.	CONDITION MUD & CIRCULATE			
6.	TRIPS			
7.	LUBRICATE RIG			
8.	REPAIR RIG			
9.	CUT OFF DRILLING LINE			
10.	DEVIATION SURVEY			
11.	WIRE LINE LOGS			
12.	RUN CASING & CEMENT			
13.	WAIT ON CEMENT			
14.	NIPPLE UP B.O.P.			
15.	TEST B.O.P.			
16.	DRILL STEM TEST			
17.	PLUG BACK			
18.	SQUEEZE CEMENT			
19.	FISHING			
20.	DIR. WORK			
21.				
22.				
COMPLETION	A. PERF'R'T'N			
	B. TBG TRIPS			
	C. TREATING			
	D. SWABBING			
	E. TESTING			
	F. ADDIT'N'L			
	G.			
	TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
	WT. OF STRING		LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS	/	/	/
WL –CC'S			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

MORNING TOUR

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'L–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL–S PAR'L–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
6 AM				START BOILER & CIRC. STEAM
				HOOK UP WATER LINES & CIRC STEAM
9 AM		12		START 1353 LIGHT PLANT
				[illegible] FREIGHT [illegible]

DRILLER [illegible]

EVENING TOUR

FOOTAGE FROM	TO	DR..D RM–R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL–S PAR'L–P COM'D–C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21865

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
3.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
				WORK ON WATER & STEAM LINES
				LINE WELDING W/AIR DRILLS
				SPOT #2 ENGINE FUEL

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD–PSI			

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.–SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL –CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE

FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.FL.–P COM.D.C.

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21864

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		**CONTRACTOR** LOFFLAND BROTHERS COMPANY	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.EL.–P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.EL.–P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD		
	BIT	FT.	BIT NO.		TIME		
			SIZE		WEIGHT		
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID OD	FT.	TYPE		VISC.–SEC.		
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID OD	FT.	SER. NO.		GELS	/	/
	STB RMR OD	FT.	DEPTH OUT		WL –CC'S.		
			DEPTH IN		pH		
			TOTAL FTG.		SOLIDS %		
			TOTAL HRS. RUN				
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES DP	FT.	GPM/ PD–PSI	/	TYPE / AMT. / TYPE / AMT.		
	KELLY DOWN	FT.					
	TOTAL	FT.					
WT. OF STRING		LBS.					

FOOTAGE FROM	TO	DR.–D RM.–R CORE.–C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.–S PAR.EL.–P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21863

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE 19
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

60°24' 05.021" 123° 54' 39.056"

LEGAL LAND DESCRIPTION
Unit A Sec 55 Grid 60°30'N 123°45' W

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LAST CASING TUBING OR LINER

SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	
	D.C. ID OD	FT.	SER. NO.		GELS.	
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

MORNING TOUR

FOOTAGE / FORMATION / DEVIATION RECORD / TIME LOG

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JET 1/32"		PV/YP	
	D.C. ID OD	FT.	SER. NO.		GELS.	
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

DAY TOUR

FOOTAGE / FORMATION / DEVIATION RECORD / TIME LOG

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DRILLING ASSEMBLY (At end of tour) / BIT RECORD / MUD RECORD

NO.	DRILLING ASSEMBLY		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	
	D.C. ID OD	FT.	SER. NO.		GELS.	
	STB RMR OD	FT.	DEPTH OUT		WL -CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI		TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

EVENING TOUR

FOOTAGE / FORMATION / DEVIATION RECORD / TIME LOG

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PAR'L-P COM'D-C

DEVIATION RECORD

DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG

FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

FORM 3T6

APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


File No.
ACTION REQUIRED
Assigned to:
Assignment No:
Date Answered:


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION
MAR 11 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

C 21862

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
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15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
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22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
	BIT	FT.	BIT NO.				TIME				
			SIZE				WEIGHT				
	STB RMR OD	FT.	MFG.				PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE				VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"				PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.				GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT				WL.-CC'S.				
			DEPTH IN				pH				
			TOTAL FTG.				SOLIDS %				
			TOTAL HRS. RUN								
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE				MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.									
	TOTAL	FT.									
WT. OF STRING		LBS.									

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.FL.-P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
	BIT	FT.	BIT NO.				TIME				
			SIZE				WEIGHT				
	STB RMR OD	FT.	MFG.				PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE				VISC.-SEC.				
	STB RMR OD	FT.	JET 1/32"				PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.				GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT				WL.-CC'S.				
			DEPTH IN				pH				
			TOTAL FTG.				SOLIDS %				
			TOTAL HRS. RUN								
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE				MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.									
	TOTAL	FT.									
WT. OF STRING		LBS.									

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.FL.-P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD				MUD RECORD				
	BIT	FT.	BIT NO.				TIME				
			SIZE				WEIGHT				
	STB RMR OD	FT.	MFG.				PRESSURE GRADIENT				
	D.C. ID OD	FT.	TYPE				VISC.-SEC.				
	STB RMR OD	FT.	JETS 1/32"				PV/YP	/	/	/	
	D.C. ID OD	FT.	SER. NO.				GELS.	/	/	/	
	STB RMR OD	FT.	DEPTH OUT				WL.-CC'S.				
			DEPTH IN				pH				
			TOTAL FTG.				SOLIDS %				
			TOTAL HRS. RUN								
	STANDS DP	FT.	COND. 1/8's T/B/ GAGE				MUD & CHEMICALS ADDED				
	SINGLES DP	FT.	GPM/ PD-PSI	/	/	/	TYPE	AMT.	TYPE	AMT.	
	KELLY DOWN	FT.									
	TOTAL	FT.									
WT. OF STRING		LBS.									

FOOTAGE FROM	TO	DR.-D RM.-R CORE.-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SCL.-S PAR.FL.-P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

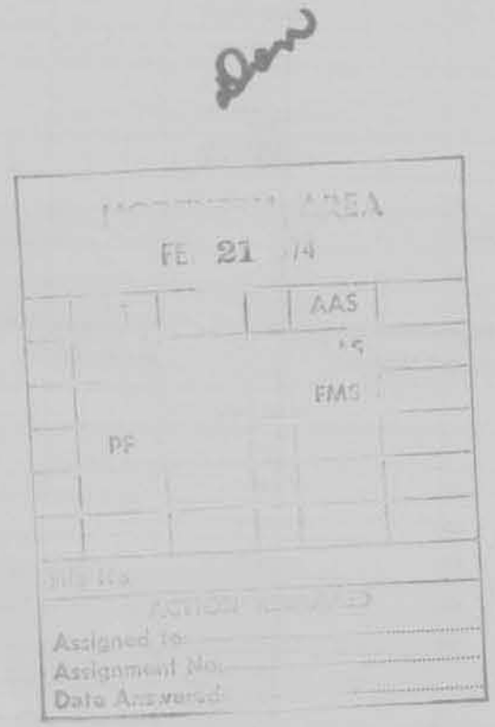
TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
FEB 25 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH


AREA
FE 21 74
AAS
FMS
PF
Assigned to:
Assignment No.:
Date Answered:

C 21861

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD — REEL NO.

SIZE	NO. LINES	FT. SLIPPED
FT. CUT OFF	PRESENT LENGTH	
TON MI. OR TRIPS SINCE LAST CUT		
CUMULATIVE TON MI. OR TRIPS		

TIME DISTRIBUTION – HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
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COMPLETION A. PERF'R'T'N			
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COMPLETION E. TESTING			
COMPLETION F. ADDIT'N'L			
COMPLETION G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			
NO. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS.			
TOTAL MUD COST			

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/ /
	D.C. ID OD	FT.	SER. NO.		GELS.	/ /
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARAL.-P COM.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JET 1/32"		PV/YP	/ /
	D.C. ID OD	FT.	SER. NO.		GELS.	/ /
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S. P. M.	METHOD RUN SGL.-S PARAL.-P COM.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)		BIT RECORD		MUD RECORD	
	BIT	FT.	BIT NO.		TIME	
			SIZE		WEIGHT	
	STB RMR OD	FT.	MFG.		PRESSURE GRADIENT	
	D.C. ID OD	FT.	TYPE		VISC.-SEC.	
	STB RMR OD	FT.	JETS 1/32"		PV/YP	/ /
	D.C. ID OD	FT.	SER. NO.		GELS.	/ /
	STB RMR OD	FT.	DEPTH OUT		WL.-CC'S.	
			DEPTH IN		pH	
			TOTAL FTG.		SOLIDS %	
			TOTAL HRS. RUN			
	STANDS DP	FT.	COND. 1/8's T/B GAGE		MUD & CHEMICALS ADDED	
	SINGLES DP	FT.	GPM/ PD-PSI	/ /	TYPE / AMT. / TYPE / AMT.	
	KELLY DOWN	FT.				
	TOTAL	FT.				
WT. OF STRING		LBS.				

FOOTAGE FROM	FOOTAGE TO	DR.-D RM.-R CORE-C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.-S PARAL.-P COM.-C

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TIME LOG TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21860

DAILY DRILLING REPORT

REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE

OPERATOR	CONTRACTOR	RIG NO.
	LOFFLAND BROTHERS COMPANY	

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S TOOL PUSHER

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION

LAST CASING TUBING OR LINER	SIZE	MAKE	WT. & GR.	NO. JOINTS	FEET	RKB. TO CSG. HD.	SET AT

WIRE LINE RECORD REEL NO.

SIZE	NO. LINES	FT. SLIPPED

FT. CUT OFF | PRESENT LENGTH

TON MI. OR TRIPS SINCE LAST CUT

CUMULATIVE TON MI. OR TRIPS

TIME DISTRIBUTION -- HOURS

CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD
CUMULATIVE ROTATING HRS.
TOTAL MUD COST

MORNING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.--S PAR.RL--P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

DAY TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JET 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.--S PAR.RL--P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

DRILLING ASSEMBLY (At end of tour)

NO.			
	BIT		FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	D.C. ID	OD	FT.
	STB RMR	OD	FT.
	STANDS DP		FT.
	SINGLES	DP	FT.
	KELLY DOWN		FT.
	TOTAL		FT.
WT. OF STRING			LBS.

BIT RECORD

BIT NO.			
SIZE			
MFG.			
TYPE			
JETS 1/32"			
SER. NO.			
DEPTH OUT			
DEPTH IN			
TOTAL FTG.			
TOTAL HRS. RUN			
COND. 1/8's T/B/ GAGE			
GPM/ PD-PSI	/	/	/

MUD RECORD

TIME			
WEIGHT			
PRESSURE GRADIENT			
VISC.-SEC.			
PV/YP	/	/	/
GELS.	/	/	/
WL -CC'S.			
pH			
SOLIDS %			

MUD & CHEMICALS ADDED

TYPE	AMT.	TYPE	AMT.

FOOTAGE FROM	TO	DR..D RM..R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	METHOD RUN SGL.--S PAR.RL--P COM.D.C.

DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG FROM	TO	ELAPSED TIME	CODE NO.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM

C 21859

DAILY DRILLING REPORT REPORT NO.

LEASE	WELL NO.	API WELL NUMBER	DATE
OPERATOR		CONTRACTOR **LOFFLAND BROTHERS COMPANY**	RIG NO.
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S TOOL PUSHER	

D.P. SIZE	WT./FT.	GRADE	TOOL JT O.D.	TYPE THREAD	STRING NO.	PUMP NO.	PUMP MANUFACTURER	TYPE	STROKE LENGTH

LEGAL LAND DESCRIPTION
Unit A Sec. 55 Grid 60°30

	SIZE	MAKE	WT. & GR.	NO. JOIN
LAST CASING TUBING OR LINER				

TIME DISTRIBUTION – HOURS			
CODE NO. – OPERATION	MORN.	DAY	EVE.
1. RIG UP AND TEAR DOWN			
2. DRILL ACTUAL			
3. REAMING			
4. CORING			
5. CONDITION MUD & CIRCULATE			
6. TRIPS			
7. LUBRICATE RIG			
8. REPAIR RIG			
9. CUT OFF DRILLING LINE			
10. DEVIATION SURVEY			
11. WIRE LINE LOGS			
12. RUN CASING & CEMENT			
13. WAIT ON CEMENT			
14. NIPPLE UP B.O.P.			
15. TEST B.O.P.			
16. DRILL STEM TEST			
17. PLUG BACK			
18. SQUEEZE CEMENT			
19. FISHING			
20. DIR. WORK			
21.			
22.			
23.			
COMPLETION A. PERF'R'T'N			
B. TBG TRIPS			
C. TREATING			
D. SWABBING			
E. TESTING			
F. ADDIT'N'L			
G.			
TOTALS			

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS. W/CONTR. D.P.			
HRS. W/OPR. D.P.			
HRS. WO/D.P.			
HRS. STANDBY			
TOTAL DAY WORK			

NO. OF DAYS FROM SPUD

CUMULATIVE ROTATING HRS.

TOTAL MUD COST

MORNING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)			BIT RECORD		MUD RECORD		
	BIT		FT.	BIT NO.		TIME		
				SIZE		WEIGHT		
	STB RMR	OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID	OD	FT.	TYPE		VISC.-SEC.		
	STB RMR	OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID	OD	FT.	SER. NO.		GELS.	/	/
	STB RMR	OD	FT.	DEPTH OUT		WL -CC'S.		
				DEPTH IN		pH		
				TOTAL FTG.		SOLIDS %		
				TOTAL HRS. RUN				
	STANDS DP		FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES	DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN		FT.					
	TOTAL		FT.					
WT. OF STRING			LBS.					

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.

DEVIATION RECORD — DEPTH — DEV.

TIME LOG FROM TO — ELAPS TIME

DAY TOUR

NO.	DRILLING ASSEMBLY (At end of tour)			BIT RECORD		MUD RECORD		
	BIT		FT.	BIT NO.		TIME		
				SIZE		WEIGHT		
	STB RMR	OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID	1 OD	FT.	TYPE		VISC.-SEC.		
	STB RMR	OD	FT.	JET 1/32"		PV/YP	/	/
	D.C. ID	OD	FT.	SER. NO.		GELS.	/	/
	STB RMR	OD	FT.	DEPTH OUT		WL -CC'S.		
				DEPTH IN		pH		
				TOTAL FTG.		SOLIDS %		
				TOTAL HRS. RUN				
	STANDS DP		FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES	DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN		FT.					
	TOTAL		FT.					
WT. OF STRING			LBS.					

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVER

DEVIATION RECORD — DEPTH — DEV. — DIRECTION — DEPTH — DEV. — DIRECTION — DEPTH — DEV. — DIRECTION

TIME LOG FROM TO — ELAPSED TIME — CODE NO. — DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

EVENING TOUR

NO.	DRILLING ASSEMBLY (At end of tour)			BIT RECORD		MUD RECORD		
	BIT		FT.	BIT NO.		TIME		
				SIZE		WEIGHT		
	STB RMR	OD	FT.	MFG.		PRESSURE GRADIENT		
	D.C. ID	OD	FT.	TYPE		VISC.-SEC.		
	STB RMR	OD	FT.	JETS 1/32"		PV/YP	/	/
	D.C. ID	OD	FT.	SER. NO.		GELS.	/	/
	STB RMR	OD	FT.	DEPTH OUT		WL -CC'S.		
				DEPTH IN		pH		
				TOTAL FTG.		SOLIDS %		
				TOTAL HRS. RUN				
	STANDS DP		FT.	COND. 1/8's T/B/ GAGE		MUD & CHEMICALS ADDED		
	SINGLES	DP	FT.	GPM/ PD-PSI	/	TYPE	AMT.	TYPE AMT.
	KELLY DOWN		FT.					
	TOTAL		FT.					
WT. OF STRING			LBS.					

FOOTAGE FROM	TO	DR..D RM-R CORE..C	CORE NO.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	WT. ON BIT 1000#	PUMP PRESS	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	PUMP NO. LINER SIZE	PUMP NO. S.P.M.	M... SIZE PARTI-P COM D-C

DEVIATION RECORD — DEPTH — DEV. — DIRECTION — DEPTH — DEV. — DIRECTION — DEPTH — DEV. — DIRECTION

TIME LOG FROM TO — ELAPSED TIME — CODE NO. — DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS

DRILLER

Form 3T6 APPROVED APPROVED

A.A.O.D.C.--A.P.I. OFFICIAL DAILY DRILLING REPORT FORM


DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT
CONSERVATION ENGINEER
FEB 25 1974
YELLOWKNIFE, N.W.T.
NORTHERN ECONOMIC DEVELOPMENT BRANCH

CLOSED VOLUME

CANADA

VOLUME COMPLET

DATED FROM / À COMPTER DU Feb 15/74 TO / JUSQU'AU Aug 20/74

AFFIX TO TOP OF FILE – À METTRE SUR LE DOSSIER

DO NOT ADD ANY MORE PAPERS – NE PAS AJOUTER DE DOCUMENTS

FOR SUBSEQUENT CORRESPONDENCE SEE – POUR CORRESPONDANCE ULTÉRIEURE VOIR

FILE NO. – DOSSIER Nº	VOLUME
N-7940-D.A. 746	1

CGSB STANDARD FORM 31c 7540-21-857-8803 FORMULE NORMALISÉE 31c DE L'ONGC

RUDI Feb 7/95

COPIES OF THE NTS MAPS FOR BOUIE/ FISHERMAN LAKES SHOWING THE AREA of EXCLUSION. DAN O'ROURKE WANTED YOU TO HAVE A SENT IN CASE ANYONE WAS TO ASK ABOUT THIS AREA.

MIKE McLINTON.