

No.

DAILY DRILLING REPORT REPORT No.

LEASE A2-K45 PTD. MT.				WELL No.		WELL NUMBER A2-K45		WATER DEPTH		DATE 7/1/90 Yr. Mo. Day			
OPERATOR Amoco Canada Petrol. Co. Ltd.						CONTRACTOR Dineco Well						RIG No. 241	
SIGNATURE OF OPERATOR'S REPRESENTATIVE						SIGNATURE OF CONTRACTOR'S RIG MANAGER							
D.P. SIZE		kg/n	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE		STROKE LENGTH	
							1	CPI		110		203	
							2	CMLWELL		610		152	

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT	m	BIT No.				TIME			
1	RIG UP AND TEAR DOWN		700			SIZE				DENSITY kg/m ³			
2	DRILL ACTUAL			STB RMR	OD	m	MFG.			PRESSURE GRADIENT			
3	REAMING			D C ID	OD	m	TYPE			VISCOSITY			
4	CORING			STB RMR	OD	m	JETS mm			PV mPa.s	YP Pa	/	/
5	CONDITION MUD & CIRCULATE			D C ID	OD	m	SER. No.			GEL STR. Pa	/	/	/
6	TRIPS			STB RMR	OD	m	DEPTH OUT			WATER LOSS cm ³			
7	LUBRICATE RIG						DEPTH IN			pH			
8	REPAIR RIG						TOTAL METRES DRILLED			SOLIDS %			
9	CUT OFF DRILLING LINE						TOTAL HRS. RUN						
10	DEVIATION SURVEY			STANDS D P		m	COND 1/8" T/B GAGE			MUD & CHEMICALS ADDED			
11	WIRE LINE LOGS			SINGLES DP		m	FLOW RATE m ³ /min	/	/	TYPE	AMT. kg	TYPE	AMT. kg
12	RUN CASING & CEMENT			KELLY DOWN		m	PRESSURE DROP kPa						
13	WAIT ON CEMENT			TOTAL		m							
14	NIPPLE UP B.O.P.		150	(FORCE) WT. OF STRING		daN							
15	TEST B.O.P.		150	REMARKS									
16	DRILL STEM TEST												
17	PLUG BACK												
18	SQUEEZE CEMENT												
19	FISHING												
20	DIR. WORK												
21													

DRILLER SB

FIRST TOUR

COMPLETION		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
23	A. PERF. T.N.			BIT	m	BIT No.			TIME		
	B. TBG TRIPS					SIZE			DENSITY kg/m ³		
	C. TREATING								PRESSURE GRADIENT		
	D. SWABBING			STB RMR	OD	m	MFG.				
	E. TESTING			D.C. ID	OD	m	TYPE		VISCOSITY		
	F. ADDIT'L			STB RMR	OD	m	JETS mm		PV mPa.s	YP Pa	
	G.			D.C. ID	OD	m	SER. No.		GEL STR. Pa		
				STB RMR	OD	m	DEPTH OUT		WATER LOSS cm ³		
TOTALS							DEPTH IN		pH		
DAY WORK TIMESUMMARY (OFFICE USE ONLY)							TOTAL METRES DRILLED		SOLIDS %		
HRS. W/ CONTR. D.P.							TOTAL HRS. RUN				
HRS. W/ OPR. D.P.											
HRS. WO/DP				STANDS DP	m	COND. T/B's T/B/ GAGE			MUD & CHEMICALS ADDED		
HRS. STANDBY				SINGLES DP	m	FLOW RATE m ³ /min			TYPE	AMT. kg	TYPE
				KELLY DOWN	m	PRESSURE DROP kPa					AMT. kg
				TOTAL	m						
				(FORCE) WT. OF STRING	daN						
TOTAL DAY WORK				REMARKS							
				Safety meeting held w/ all crewmembers 5/15/85.							
				3 Driller Personnel							
No. OF DAYS FROM SPUD											
CUMULATIVE ROTATING HRS											
TOTAL MUD COST											

<u>E.R.C.B.</u>	<u>OPR.</u>	<u>R.M.</u>	<u>R.M.</u>
(1) Daily Walk Around Inspection	Initial _____	Initial _____	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	Initial _____
(3) H/S Signs Posted (if required)	Initial _____	Initial _____	Initial _____
			(1) Rig Site Health and Safety Meeting (one meeting/crew/month)
			(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)
			(3) Mast Inspected Before Raising or Lowering

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
										REEL No.		
										SIZE	No. LINES	METRES SLIPPED
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	1 1/2	8	
										METRES CUT OFF	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT	3477	
										CUMULATIVE MEGAJOULES	150005	

METRES DRILLED		DR D RM R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS.	PUMP No.		PLJMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
						REDUCED PUMP SPEED						

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

[illegible][illegible]

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
1200	1900	700	1	Raise steam & control over both raise and discharge spot pressure, prepare floor & up to full pressure, run BOP lines, pump lines, power cables etc.	
1900	2100	200	1	Change over BOP elements / function BOP lines, up & pump lines to well head & secure AB in PPS Power Trenches.	
2100	2230	130	15	Pressure test pump lines - stop at good block off well to discuss & flow check / 1800 Kpa CSG - 7500 PSI	
2230	2400	130	14	Apply steam wellheads install BOP's - install controller	
			15	make up 4 1/2 IT in design & pressure test 14000 PSI controller	



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OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT

REPORT No.

LEASE A2 K45 POINTED MTN.			WELL No.			WELL NUMBER A2 K45			WATER DEPTH		DATE 74 07 26 Yr. Mo. Day		
OPERATOR AMOCO CANADA PET. CO. LTD						CONTRACTOR DRIVE WELL						RIG No. 41	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>						SIGNATURE OF CONTRACTOR'S RIG MANAGER <i>[Signature]</i>							
D.P. SIZE	kgm	GRADE	TOOL JT. O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER			TYPE		STROKE LENGTH	
						1	OFT			700		205	
						2	OTL WELL			640		132	

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT	m	BIT No.				TIME			
1	RIG UP AND TEAR DOWN					SIZE				DENSITY kg/m ³			
2	DRILL ACTUAL			STB RMR	OD	m	MFG			PRESSURE GRADIENT			
3	REAMING			D.C. ID	OD	m	TYPE			VISCOSITY			
5	CONDITION MUD & CIRCULATE			STB RMR	OD	m	JETS mm.			PV mPa.s	YP Pa	/	/
6	TRIPS			D.C. ID	OD	m	SER. No.			GEL STR. Pa	/	/	/
7	LUBRICATE RIG			STB RMR	OD	m	DEPTH OUT			WATER LOSS cm ³			
8	REPAIR RIG						DEPTH IN			pH			
9	CUT OFF DRILLING LINE						TOTAL METRES DRILLED			SOLIDS %			
10	DEVIATION SURVEY						TOTAL HRS. RUN						
11	WIRE LINE LOGS			STANDS DP		m	COND 1/8"s T/B/GAGE			MUD & CHEMICALS ADDED			
12	RUN CASING & CEMENT			SINGLES DP		m	FLOW RATE m ³ /min	/	/	TYPE	AMT. kg	TYPE	AMT. kg
13	WAIT ON CEMENT			KELLY DOWN		m	PRESSURE DROP kPa						
14	NIPPLE UP B.O.P.			TOTAL		m							
15	TEST B.O.P.			(FORCE) WT. OF STRING		daN							
16	DRILL STEM TEST			REMARKS									
17	PLUG BACK												
18	SQUEEZE CEMENT												
19	FISHING												
20	DIR. WORK												
21													

DRILLER _____

FIRST TOUR

COMPLETION						No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD								MUD RECORD			
	A PERFT'N						BIT	m	BIT No.							TIME				
	B TBG TRIPS								SIZE							DENSITY kg/m³				
	C TREATING						STB RMR OD	m	MFG							PRESSURE GRADIENT				
	D SWABBING						D.C. ID OD	m	TYPE							VISCOSITY				
	E TESTING						STB RMR OD	m	JETS mm							PV mPa*s YP Pa	/	/	/	/
	F ADDIT'L						D.C. ID OD	m	SER. No.							GEL STR. Pa	/	/	/	/
	G						STB RMR OD	m	DEPTH OUT							WATER LOSS cm³				
TOTALS									DEPTH IN							pH				
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									TOTAL METRES DRILLED							SOLIDS %				
HRS. W/CONTR. D.P.									TOTAL HRS. RUN											
HRS. W/OPR. D.P.							STANDS DP	m	COND. 1/B's T/B/GAGE							MUD & CHEMICALS ADDED				
HRS. WO/DP							SINGLES DP	m	FLOW RATE m³/min							TYPE	AMT. kg	TYPE	AMT. kg	
HRS. STANDBY							KELLY DOWN	m	PRESSURE DROP kPa											
							TOTAL	m												
							(FORCE) WT. OF STRING daN													
TOTAL DAY WORK						REMARKS														
No. OF DAYS FROM SPUD																				
CUMULATIVE ROTATING HRS																				
TOTAL MUD COST																				
						DRILLER														

E.R.C.B.		OPR.		R.M.		DATE		R.M.																																																
(1) Daily Walk Around Inspection		Initial <u> </u>		Initial <u> </u>		(1) Rig Site Health and Safety Meeting (one meeting/crew/month)		Initial <u> </u>																																																
(2) Detailed Inspection-Weekly (using check list)		Initial <u> </u>		Initial <u> </u>		(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)		Initial <u> </u>																																																
(3) H ₂ S Signs Posted (if required)		Initial <u> </u>		Initial <u> </u>		(3) Mast Inspected Before Raising or Lowering		Initial <u> </u>																																																
LEGAL LAND DESCRIPTION						WIRE LINE RECORD																																																		
LAST CASING TUBING OR LINER <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>OUTSIDE DIAMETER</th> <th>INSIDE DIAMETER</th> <th>MAKE</th> <th>kg/m</th> <th>GRADE</th> <th>No. JOINTS</th> <th>TOTAL LENGTH</th> <th>RKB. TO CSG HD.</th> <th>SET AT</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>						OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG HD.	SET AT																																					REEL No. SIZE		No. LINES 8		METRES SLIPPED 	
						OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG HD.	SET AT																																										
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[illegible]

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

[illegible]

METRES DRILLED		DR: D RM: R CORE: C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

[illegible]

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OFFICIAL DAILY DRILLING REPORT FORM

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LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
Anned A-2 PTD MT NWT K45										REEL No.		
OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG HD	SET AT	SIZE	No. LINES	METRES SLIPPED	
									178	8		
									METRES CUT OFF	PRESENT ILENGTH		
									MEGAJOULES SINCE LAST CUT	4835		
									CUMULATIVE MEGAJOULES	71927		

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		MET RL SGL PAR COM
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
						REDUCED PUMP SPEED						

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

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
04.10	04.10	1.00	6	Trip out w/ 4 1/2 tubing / inhibit inside + outside tubing / install thread protectors on way out	
04.15	04.15	25	7	Rig Service / Function O/Rams (5 secs) while out of hole	
04.15				Make up BHA (computer torque) w/ P.P.S torques / change P.P.S tong dies on all different AD's on BHA.	
1200	1.15	21		HYPOTEST ALL BHA CONNECTIONS.	
		<u>1.15</u>			

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		MET RL
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL PART COM
						REDUCED PUMP PRESS						

[illegible]

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00	18:30	6.50	6	Trip in w/ 4 1/2" Turbine - Hydrotest, washing threads	
30	19:30	1.00	5	A/Circ one hole volume.	
30	22:00	2.50	6	Turbine w/ 4 1/2" Tubing II-Test & Wash Threads	
7:00	22:00			PULL HYDRO TEST MANHOLE & REMOVE / WIPER RUBBERS / S	
	23:00	1.00	23	CHECK VALVE & CONT. TRIP IN w/ 4 1/2"	
8:00				THREAD WASHER / THREAD INSPECT & HYDROTEST TOB	
	24:00	1.00	6	ZIMPA	
		/			
		12			

No. 51

DAILY DRILLING REPORT

REPORT No. 51

LEASE A-2045 PTD MT	WELL No.	WELL NUMBER A-2 K 415	WATER DEPTH	DATE 94 01 22					
OPERATOR Bob Plaster	CONTRACTOR DRIVE WELL		RIG No. 41						
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER							
D.P. SIZE 89mm	kg/m 19.79	GRADE E	TOOL JT O.D. 120.6	TYPE THREAD IF	STRING No. 1	PUMP No. 1	PUMP MANUFACTURER OPI	TYPE 700	STROKE LENGTH 203
						2	O.D. well	640	152

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT	m	BIT No.	SIZE	TIME	DENSITY kg/m ³	PRESSURE GRADIENT	VISCOSITY
1	RIG UP AND TEAR DOWN										
2	DRILL ACTUAL			STB RMR	OD	m	MFG.				
3	REAMING			D.C. ID	OD	m	TYPE				
4	CORING			STB RMR	OD	m	JETS mm				
5	CONDITION MUD & CIRCULATE			D.C. ID	OD	m	SER. No.				
6	TRIPS	5.50		STB RMR	OD	m	DEPTH OUT				
7	LUBRICATE RIG	.25	.25				DEPTH IN				
8	REPAIR RIG						TOTAL METRES DRILLED				
9	CUT OFF DRILLING LINE						TOTAL HRS. RUN				
10	DEVIATION SURVEY						COND. 1/8" T/B GAGE				
11	WIRE LINE LOGS			STANDS DP	m		FLOW RATE m ³ /min				
12	RUN CASING & CELENT	1.50	11.5	SINGLES DP	m		PRESSURE DROP kPa				
13	WAIT ON CEMENT			KELLY DOWN	m						
14	NIPPLE UP B.O.P.			TOTAL	m						
15	TEST B.O.P.	.75		(FORCE) WT. OF STRING	daN						
16	DRILL STEM TEST			REMARKS							
17	PLUG BACK										
18	SQUEEZE CEMENT										
19	FISHING										
20	DIR. WORK										
21	1 hr. Stop at 6:00										
22				DRILLER D. Bachert							

COMPLETION				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
A	B	C	D	BIT	m	BIT No.	SIZE	TIME	DENSITY kg/m ³	PRESSURE GRADIENT	VISCOSITY
PERF'RT	TBG TRIP	TREATING	SWABBING	STB RMR	OD	m	MFG.				
TESTING	ADDIT'N			D.C. ID	OD	m	TYPE				
				STB RMR	OD	m	JETS mm				
				D.C. ID	OD	m	SER. No.				
				STB RMR	OD	m	DEPTH OUT				
							DEPTH IN				
							TOTAL METRES DRILLED				
							TOTAL HRS. RUN				
				STANDS DP	m		COND. 1/8" T/B GAGE				
				SINGLES DP	m		FLOW RATE m ³ /min				
				KELLY DOWN	m		PRESSURE DROP kPa				
				TOTAL	m						
				(FORCE) WT. OF STRING	daN						
TOTALS				REMARKS							
DAY WORKTIME SUMMARY (OFFICE USE ONLY)											
HRS. W/CONTR. D.P.											
HRS. W/OPR. D.P.											
HRS. WO/DP											
HRS. STANDBY											
TOTAL DAY WORK											
No. OF DAYS FROM SPUD											
CUMULATIVE ROTATING HRS											
TOTAL MUD COST											

DRILLER

E.R.C.B.

- (1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (using check list)
(3) H.S. Signs Posted (if required)

OPR.

Initial
Initial

R.M.

- (1) Rig Site Health and Safety Meeting (one meeting/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)
(3) Mast Inspected Before Raising or Lowering

R.M.

Initial
Initial

LEGAL LAND DESCRIPTION

A-2045 PTD MT K45 NW1

WIRE LINE RECORD

REEL No.

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD	SET AT	SIZE	No. LINES	METRES SLIPPED
										1 1/8	4	
										METRES CUT OFF	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT	3061	
										CUMULATIVE MEGAJOULES	70153	

METRES DRILLED		DR. D. RM. R. CORE C		CORE No.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		(FORCE) WT. ON BIT daN		PUMP PRESS		PUMP No.		PUMP No.		METHOD RUN	
FROM	TO																		

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	

TIME LOG		ELAPSED TIME		CODE No.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		BOILER HOURS	
FROM	TO								
00:00				61		30' Trip out w/polish mill + scraper assn (bump down well) (bump)			
05:30	05:30	5.50				None timbers on walk for lay down machine			
05:30						Charge over all handling equipment 4 1/2" Charge Phoenix			
10:30	10:30	5:00		21		4 1/2" - 4 1/2" 1" Plu 1" heavy PPS Tongs, 1 computer equip			
10:30	11:15	.75		15		Pressure Test 4 1/2" Pipe Pans to 200 psi 11.2 mpa 15.0 mpa			
11:15	11:30	.25		7		Rig Service. Function PPS: 5 mpa 15 mpa - Both closed 4 sec			
11:30	12:00	.50		12		Plu 4 1/2" Tubing - 1" TUBED WASH / DRY / TUBED / TUBED / TUBED			
						W/ PPS TONGS (COMPUTER TONGS)			
						12:45			

METRES DRILLED		DR. D. RM. R. CORE C		CORE No.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		(FORCE) WT. ON BIT daN		PUMP PRESS		PUMP No.		PUMP No.		METHOD RUN	
FROM	TO																		

DEVIATION RECORD		DEPTH		DEV.		DIRECTION		DEPTH		DEV.		DIRECTION	

TIME LOG		ELAPSED TIME		CODE No.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		BOILER HOURS	
FROM	TO								
12:00	12:00	7:00		12		Plu 4 1/2" TUBING			
12:00	12:15	.25		7		Rig Service			
12:15	12:40	4.75		12		Plu 4 1/2" NK-3SB Tubs			
						12			

FORM 2T6m

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DAILY DRILLING REPORT

REPORT No.

LEASE A-2 OIS PTD. MT				WELL No.		WELL NUMBER A-2 K 45		WATER DEPTH		DATE 94 01 24 Yr. Mo. Day	
OPERATOR						CONTRACTOR DRIVE WELL RIG No. 41					
SIGNATURE OF OPERATOR'S REPRESENTATIVE Bob Klesko						SIGNATURE OF CONTRACTOR'S RIG MANAGER [Signature]					
D.P. SIZE	kgm	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE		STROKE LENGTH
89--	19.79	E	120.6	IF	1	1	OPI		700		203
						2	oilwell		1010		152

TIME DISTRIBUTION - HOURS				No.	DRILLING ASSEMBLY (at end of tour)	BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR			BIT No.					TIME		
1	RIG UP AND TEAR DOWN			1	BRT	296	m				DENSITY kg/m ³		
2	DRILL ACTUAL			1	STB RMR	30	m	MFG.			PRESSURE GRADIENT		
3	REAMING			1	D.C. ID	23	m	TYPE			VISCOSITY		
4	CORING			1	STB RMR	99	m	JETS mm			PV mPa.s	YP Pa	/ / /
5	CONDITION MUD & CIRCULATE	3.25	1.50	1	D.C. ID	36	m	SER. No.			GEL STR. Pa	/ / /	
6	TRIPS	7.25	5.25	1	STB RMR	22	m	DEPTH OUT			WATER LOSS cm ³		
7	LUBRICATE RIG	25	25	1	STB RMR	5.29	m	DEPTH IN			pH		
8	REPAIR RIG							TOTAL METRES DRILLED			SOLIDS %		
9	CUT OFF DRILLING LINE	50						TOTAL HRS. RUN					
10	DEVIATION SURVEY							COND. 1/8"s T/B/GAGE			MUD & CHEMICALS ADDED		
11	WIRE LINE LOGS				STANDS DP	m		FLOW RATE m ³ /min	/ /		TYPE	AMT. kg	TYPE AMT. kg
12	RUN CASING & CEMENT				SINGLES DP	m		PRESSURE DROP kPa					
13	WAIT ON CEMENT				KELLY DOWN	m							
14	NIPPLE UP B.O.P.				TOTAL	m							
15	TEST B.O.P.				(FORCE) WT. OF STRING	daN							
16	DRILL STEM TEST				REMARKS								
17	PLUG BACK												
18	SQUEEZE CEMENT												
19	FISHING												
20	DIR WORK												
21	Total	3.75	2.0										
22													

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
23	A. PERF'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/DP											
HRS. STANDBY											
TOTAL DAY WORK											
No. OF DAYS FROM SPUD											
CUMULATIVE ROTATING HRS											
TOTAL MUD COST											

No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD					
1	BIT	2.96	m	BIT No.				TIME			
1	STB RMR	1.30	m	SIZE				DENSITY kg/m ³			
1	D.C. ID	2.23	m	MFG.				PRESSURE GRADIENT			
1	STB RMR	1.99	m	TYPE				VISCOSITY			
1	D.C. ID	1.36	m	JETS mm				PV mPa.s	/	/	/
1	STB RMR	1.36	m	SER. No.				GEL STR. Pa	/	/	/
	DEPTH OUT		m					WATER LOSS cm ³			
	DEPTH IN		m					pH			
	TOTAL METRES DRILLED							SOLIDS %			
	TOTAL HRS. RUN										
145	STANDS DP		m	COND. 1/8" T/B GAGE				MUD & CHEMICALS ADDED			
1	SINGLES DP	2781.67	m	FLOW RATE m ³ /min	/	/	/	TYPE	AMT. kg	TYPE	AMT. kg
	KELLY DOWN	1.04	m	PRESSURE DROP kPa							
	TOTAL	2794	m								
	(FORCE) WT. OF STRING	41,000	daN								
REMARKS											

E.R.C.B.		OPR.		R.M.		R.M.	
(1) Daily Walk Around Inspection		Initial		Initial		(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial
(2) Detailed Inspection-Weekly (using check list)		Initial		Initial		(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial
(3) H.S Signs Posted (if required)		Initial		Initial		(3) Mast Inspected Before Raising or Lowering	Initial

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			REEL No.	
Ancho A-2 P.D. Mt. K45 N.W.T.										SIZE			No. LINES	METRES SLIPPED
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT	1 1/2	8			
										METRES CUT OFF	PRESENT LENGTH			
										MEGAJOULES SINCE LAST CUT	1241			
										CUMULATIVE MEGAJOULES	68333			

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL. S PAR'EL. P COM'D. C
						REDUCED PUMP SPEED						

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

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00-00	01-30	.50	5	Pump 2m ³ down DP (flined flange over pipe)	
01-30	03-45	2.25	6	R/H Parker Plucker down. B/Ram functioned (3 sec) on air	
03-45	05-00	1.25	5	Kelly up on std 125 + Reverse Circ. hole even to fresh water	
05-00	06-00	1.00	5	Run in latch onto R.B.P. joint at offline 15m ³	
06-00	06-30	.50	5	R.B.P. hanging up on CSG. callous. Effort. to get drier	
06-30	09-15	2.45	6	Trip out w/ R.B.P. Hang up temporarily - Pull on R 27.6W	
09-15	09-45	.50	9	SLIP + Cut 12.44m Line	
09-45	10-00	.25	7	Ry SCRAM, FUNCTION HYDRA - CLOSE TSEC.	
10-00	11-15	1.25	6	FIRST OUT w/ R.B.P.	
11-15	12-00	.75	21	M/U PUMP MUC ASS, SCRAPED etc.	
		<u>12</u>			

METRES DRILLED		DR. D RM. R	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO	CORE C						LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL. S PAREL. P COM. D. C
2794												
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
1200	1230	.50	21	Finish mtr Polish Assembly	
1230	1800	5.50	6	Trip in w/ Polish, Scraper Assembly, Work Scraper. 935-955, 2310-2350, in to liner for 2114	
1800	1930	1.50	22	Pls Kelly, 'Circumvent' & Remove THERM LINER TO THE BACK SECTOR & Polish THE BACK SECTOR	
1930	21.00	1.50	5	F/Circ BTs up / Rig in Lay down unit / Organize paper & hold safety meeting, chambers lay down period	
21.00	21.15	.25	7	Rig service	
21.15	12.00	2.25	6	Trip out w/ Polish, Scraper assembly (Flank 19) back out / L/plan	
		12		ON RACKS	



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OFFICIAL DAILY DRILLING REPORT FORM

LEASE A-2 Q45 14D MT	WELL No. A-2	WELL NUMBER K-45	WATER DEPTH 700	DATE 9/07/20 Yr. Mo. Day					
OPERATOR Ameco Canada		CONTRACTOR DRIVE WELL		RIG No. 41					
SIGNATURE OF OPERATOR'S REPRESENTATIVE Bob Kloss		SIGNATURE OF CONTRACTOR'S RIG MANAGER [Signature]							
D.P. SIZE 89mm	kg/m 11.79	GRADE E	TOOL JT. O.D. 120.6	TYPE THREAD 1 1/2"	STRING No. 1	PUMP No. 1	PUMP MANUFACTURER OPB	TYPE 700	STROKE LENGTH 203
								490	152

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD	
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	3	BIT mH 44	SIZE	TIME		
1	RIG UP AND TEAR DOWN				8/5ab	131			
2	DRILL ACTUAL				STB RMR	OD	m	MFG	DENSITY kg/m ³
3	REAMING				D.C. ID	OD	m	TYPE	PRESSURE GRADIENT
4	CORING				STB RMR	OD	m	JETS mm	VISCOSITY
5	CONDITION MUD & CIRCULATE	2:25			D.C. ID	OD	m	SER. No.	PV mPa.s YP Pa
6	TRIPS	30	4:00		STB RMR	OD	m	DEPTH OUT	GEL STR. Pa
7	LUBRICATE RIG	25	25		STB RMR	OD	m	DEPTH IN	WATER LOSS cm ³
8	REPAIR RIG				1 STD OP	19:37			pH
9	CUT OFF DRILLING LINE				Inside BOP	59			SOLIDS %
10	DEVIATION SURVEY				24A	20:57			
11	WIRE LINE LOGS				STANDS DP	m	COND. 1/8's T/B/GAGE		
12	RUN CASING & CEMENT				SINGLES DP	m	FLOW RATE m ³ /min		
13	WAIT ON CEMENT				KELLY DOWN	m	PRESSURE DROP kPa		
14	NIPPLE UP B.O.P.				TOTAL	m			
15	TEST B.O.P.				(FORCE) WT. OF STRING	daN			
16	DRILL STEM TEST				REMARKS				
17	PLUG BACK								
18	SQUEEZE CEMENT								
19	FISHING								
20	DIR. WORK								
21	DRILLING RIGS	5:00							
22	DRILLING RIGS	5:00			DRILLER P. Borhuf				
23									

COMPLETION				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD	
A	PERF. TV			1	BIT mH 44	SIZE	TIME		
B	TBG TRIPS			1	8/5ab	131			
C	TREATING			1	STB RMR	OD	m	MFG	DENSITY kg/m ³
D	SWABBING			1	D.C. ID	OD	m	TYPE	PRESSURE GRADIENT
E	TESTING			1	STB RMR	OD	m	JETS mm	VISCOSITY
F	ADDIT'N				D.C. ID	OD	m	SER. No.	PV mPa.s YP Pa
G					STB RMR	OD	m	DEPTH OUT	GEL STR. Pa
TOTALS		12	12		STB RMR	OD	m	DEPTH IN	WATER LOSS cm ³
DAY WORKTIME SUMMARY (OFFICE USE ONLY)					124 STANDS DP	2374.35			pH
HRS. W/ CONTR. D.P.									SOLIDS %
HRS. W/ OPR. D.P.									
HRS. WO/ DP									
HRS. STANDBY									
TOTAL DAY WORK		6							
No. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS									
TOTAL MUD COST									

E.R.C.B.		OPR.		R.M.		R.M.	
(1) Daily Walk Around Inspection		Initial		Initial		(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	
(2) Detailed Inspection-Weekly (using check list)		Initial		Initial		(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	
(3) H ₂ S Signs Posted (if required)		Initial		Initial		(3) Mast Inspected Before Raising or Lowering	
LEGAL LAND DESCRIPTION		Ameco A-2 PTD. MT. NW. K-45		WIRE LINE RECORD		REEL No.	
OUTSIDE DIAMETER		INSIDE DIAMETER		MAKE		kg/m	
GRADE		No. JOINTS		TOTAL LENGTH		RKB. TO CSG. HD.	
LAST CASING TUBING OR LINER		SET AT		SIZE		No. LINES	
				METRES CUT OFF		PRESENT LENGTH	
				MEGAJOULES SINCE LAST CUT		4285	
				CUMULATIVE MEGAJOULES		67092	

METRES DRILLED		DR. D. RM. R. CORE. C		CORE No.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		(FORCE) WT. ON BIT daN		PUMP PRESS		PUMP No. 1		PUMP No. 2		METHOD RUN	
FROM	TO																		
2341	2315			4		CEMENT		60	3500	45	140	70							5
										REDUCED PUMP SPEED		2.0m 110		55					

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

TIME LOG		ELAPSED TIME		CODE No.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		BOILER HOURS		
FROM	TO									
00:10	00:30	50	6	FILL tag Cont. top at 2311.06m						
00:30	00:45	8.25	21	Drill out Cont. & Cont. Ret. to squeeze parts.						
		Tch cement @ 2311m Retain @ 2315m. (Note: 2311m Retain)								
04:45	09:00	25	7	Rig Service. Function P.P. Pans & Core 450.						
09:00	10:00	3.00	21	Drill cement to 2320						
		12								

METRES DRILLED		DR. D. RM. R. CORE. C		CORE No.		FORMATION (SHOW CORE RECOVERY)		ROTARY RPM		(FORCE) WT. ON BIT daN		PUMP PRESS		PUMP No. 1		PUMP No. 2		METHOD RUN	
FROM	TO																		
2315	2320.83					CEMENT		70	34	650	140	80	140						5
										REDUCED PUMP SPEED									

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

TIME LOG		ELAPSED TIME		CODE No.		DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS		BOILER HOURS		
FROM	TO									
12:00	13:15	1.65	5	Calculate Bottom up after drilling, cement repairs						
13:15	13:45	.50	22	Pressure test perforations - 10mPa - 75mPa OK						
13:45	14:45	5.00	21	Drill cement 2320 - 2349, Cont. CMC to SAND @ 2334						
		Ct. then sand 2394 - 2398.45 to R.B.P.								
14:45	19:45	1.00	6	Calculate Bottom up for sand						
19:45	23:15	3.50	6	Drill with m. 1" Assn. 3/4" then 1" conducted at Function B/Pans 3500						
23:15	23:30	.25	7	Rig Service						
23:30	01:00	.50	6	R/O.P. PICKER PLUCKER & TRIP IN W/ SAME						
		12								

OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT REPORT No. 46

LEASE A2 K 45 POINTED MTN			WELL No.		WELL NUMBER		WATER DEPTH		DATE Yr. Mo. Day		
OPERATOR AMOCO CANADA PET. CO. LTD					CONTRACTOR DRIVER WELL					RIG No. 41	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Eric Cairns</i>					SIGNATURE OF CONTRACTOR'S RIG MANAGER <i>John B...</i>						
D P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE	STROKE LENGTH	
89mm	19.74	E	120.6	IF	1	1	OPI		700	203	
						2	OILWELL		640	153	

E.R.C.B.	viscosity	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial	Initial	Initial	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial
(2) Detailed Inspection-Weekly (using check list)	Initial	Initial	Initial	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial
(3) H/S Signs Posted (if required)	Initial	Initial	Initial	(3) Mast Inspected Before Raising or Lowering	Initial

TIME DISTRIBUTION - HOURS				No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD							MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR		BIT	m	BIT No.						TIME				
1.	RIG UP AND TEAR DOWN						SIZE						DENSITY kg/m ³				
2.	DRILL ACTUAL				STB RMR	OD	m	MFG.					PRESSURE GRADIENT				
3.	REAMING				D.C. ID	OD	m	TYPE					VISCOSITY				
4.	CORING				STB RMR	OD	m	JETS mm					PV mPa.s	YP Pa	/	/	
5.	CONDITION MUD & CIRCULATE	6.35	1.75		D.C. ID	OD	m	SER. No.					GEL STR. Pa	/	/	/	
6.	TRIPS	4.60	4.75		STB RMR	OD	m	DEPTH OUT					WATER LOSS cm ³				
7.	LUBRICATE RIG	35	35					DEPTH IN					pH				
8.	REPAIR RIG							TOTAL METRES DRILLED					SOLIDS %				
9.	CUT OFF DRILLING LINE							TOTAL HRS. RUN									
10.	DEVIATION SURVY				STANDS DP		m	COND. 1/8" T/B/GAGE					MUD & CHEMICALS ADDED				
11.	WIRE LINE LOGS				SINGLES DP		m	FLOW RATE m ³ /min	/	/	/	/	TYPE	AMT. kg	TYPE	AMT. kg	
12.	RUN CASING & CEMENT				KELLY DOWN		m	PRESSURE DROP kPa									
13.	WAIT ON CEMENT				TOTAL		m										
14.	NIPPLE UP B.O.P.				(FORCE) WT OF STRING		daN										
15.	TEST B.O.P.				REMARKS												
16.	DRILL STEM TEST				INSIDE DOP 260 M / Function Annular (8 seers)												
17.	PLUG BACK				P Rows (3 seers) HCR (-) Winfield on loss (-) Chokes (108.30)												
18.	SQUEEZE CEMENT				Clean mud tanks w/one truck												
19.	FISHING																
20.	DIR. WORK																
21.		1.00	0.75														
22.		1.00	0.75														

DRILLER *P. H. H.*

LEGAL LAND DESCRIPTION									WIRE LINE RECORD				
									REEL No.				
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
											METRES CUT OFF		PRESENT LENGTH
											MEGAJOULES SINCE LAST CUT		
											CUMULATIVE MEGAJOULES		

METRES DRILLED		DR. D. RM. R. CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCED WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
						REDUCED PUMP SPEED						

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

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
0000	0100	1	2	FLOW CHECK	
0100	0345	2.45	6	HDEST DRILL STRING FILL + FLOW CHECK 5 STDs	
0345	0700	3.25	5	WELL FLOWING. KILLY UP + CIRC. 50' at PUMP 2 HOLE VCL. STILL FLOWING CONT. CIRC./instill inside BOP.	
0700	0745	.25	7	Rig Service	
0745	0830	1.25	6	RTH 51 STDs.	
0830	12.00	3.50	5	Kelly up/Circ. 2.5 hole vol. ³	
		12			

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
A. PERF. T/I				BIT	m	BIT No.				TIME			
B. TBG TRIPS						SIZE				DENSITY kg/m ³			
C. TREATING				STB RMR	OD	m	MFG			PRESSURE GRADIENT			
D. SWABBING				D.C. ID	OD	m	TYPE			VISCOSITY			
E. TESTING				STB RMR	OD	m	JETS	mm		PV mPa.s	YP Pa	/	/
F. ADDIT'L				D.C. ID	OD	m	SER. No.			GEL STR. Pa	/	/	/
G.				STB RMR	OD	m	DEPTH OUT			WATER LOSS cm ³			
TOTALS	12	12					DEPTH IN			pH			
DAY WORKTIME SUMMARY (OFFICUSE ONLY)							TOTAL METRES DRILLED			SOLIDS %			
HRS. W/CONTR. D.P.							TOTAL HRS. RUN						
HRS. W/OPR. D.P.				STANDS DP	m	COND. 1/8" S T/8" GAGE				MUD & CHEMICALS ADDED			
HRS. WD/DP				SINGLES DP	m	FLOW RATE m ³ /min	/	/		TYPE	AMT. kg	TYPE	AMT. kg
HRS. STANDBY				KELLY DOWN	m	PRESSURE DROP kPa							
				TOTAL	m								
				(FORCE) WT. OF STRING	daN								
TOTAL DAY WORK				REMARKS									
No. OF DAYS FROM SPUD													
CUMULATIVE ROTATING HRS													
TOTAL MUD COST													

DRILLER **DEAN REDHART**

METRES DRILLED		DR. D. RM. R. CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	IFORCE/ WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
						REDUCED CHANGES						

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

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OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT

REPORT No. 45

LEASE A2 145 FORTIFIED MTN	WELL No. 1	WELL NUMBER 1	WATER DEPTH 700	DATE Yr. Mo. Day 1971 6 15
OPERATOR AMOCO PET. CO. CANADA LTD.		CONTRACTOR DRIVE WELL		RIG No. 41
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S RIG MANAGER <i>[Signature]</i>		
D.P. SIZE 2 1/2	kg/in 19.71	GRADE 6	TOOL JOINT 1006	TYPE THREAD IF
STRING No. 1	PUMP No. 2	PUMP MANUFACTURER OIL WELL	TYPE 640	STROKE LENGTH 152

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD	
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT No.	SIZE	TIME	DENSITY kg/m ³	PRESSURE GRADIENT	VISCOSITY
1	RIG UP AND TEAR DOWN								
2	DRILL ACTUAL	75							
3	REAMING								
4	CORING								
5	CONDITION MUD & CIRCULATE	135	45						
6	TRIPS								
7	LUBRICATE RIG								
8	REPAIR RIG								
9	CUT OFF DRILLING LINE								
10	DEVIATION SURVEY								
11	WIRE LINE LOGS								
12	RUNCASING & 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		10							
22		600	175						
23									

COMPLETION				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD	
A	PERF'TN	B	TBG TRIPS	BIT No.	SIZE	TIME	DENSITY kg/m ³	PRESSURE GRADIENT	VISCOSITY
C	TREATING	D	SWABBING						
E	TESTING	F	ADDIT'L						
G									
TOTALS									
DAY WORK TIME SUMMARY (OFFICE USE ONLY)									
HRS. W/CONTR. D.P.									
HRS. W/OPR. D.P.									
HRS. WQ/DP									
HRS. STANDBY									
TOTAL DAY WORK									
No. OF DAYS FROM SPUD									
CUMULATIVE ROTATING HRS									
TOTAL MUD COST									

E.R.C.B.

- (1) Daily Walk Around Inspection
(2) Detailed Inspection/Weekly (using check list)
(3) H₂S Signs Posted (if required)

OPR.

Initial
Initial
Initial

R.M.

Initial
Initial
Initial

- (1) Rig Site Health and Safety Meeting (one meeting/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)
(3) Mast Inspected Before Raising or Lowering

R.M.

Initial
Initial
Initial

LEGAL LAND DESCRIPTION

OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. MD	SET AT	SIZE	No. LINES	METRES SLIPPED
LAST CASING TUBING OR LINER									METRES CUT OFF	PRESENT LENGTH	
									MEGAJOULES SINCE LAST CUT	3223	
									CUMULATIVE MEGAJOULES	51936	

METRES DRILLED

FROM	TO	DR. D. RM. R. CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	STROKES per min	PUMP No. LINER SIZE	STROKES per min	METHOD RUN
2335.33	2354.55	D										
REDUCED PUMP SPEED												

DEVIATION RECORD		DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
0000	0045	75	2	DR. DOWN FR 2335 - 2354.55m LAST 9m CLEAR.	
0045			5	KICK TO SURFACE / CIRCULATE HOLE VOLUME	
0200	0200	1.25		WELL STILL FLOWING.	
0300	0300	1	21	SHOT IN WELL - PRESSURE TEST CEMENT TCB 10.4MPa	
0400	0430	1.5	20	OPEN WELL FLOW CHECK	
0430	0530	10	5	CIRC BOTTOMS UP	
0630	1200	6.50	22	FLOW CHECK / W.O.O. 1	
		12			

METRES DRILLED

FROM	TO	DR. D. RM. R. CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	STROKES per min	PUMP No. LINER SIZE	STROKES per min	METHOD RUN
REDUCED PUMP SPEED												

DEVIATION RECORD		DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
1200	1215	25	7	Rig Service & Rig Equip. maintenance	
1215	1400	1.75	22	Cont. Flow (W)	
1400	1515	1.25	25	Kick to surface / Circ hole volume	
1515	1515	30	6	RIM & Tag ± 2381.18m	
1515	2045		21	Flow (W) / Rig inspection - RIG SERVICE	
2045	2400	5	5	WELL KICKED CIRCULATE 3 HOLE VOLUMES	
		12			

FORM 2T6m

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OFFICIAL DAILY DRILLING REPORT FORM

No. 43

DAILY DRILLING REPORT

REPORT No. 413

LEASE A2 R45 POINTED MTN		WELL No.		WELL NUMBER		WATER DEPTH		DATE 7/27/14 Yr. Mo. Day	
OPERATOR AMOCO CAN. PET. CO. LTD.				CONTRACTOR DRIVE WELL					RIG No. 43
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>				SIGNATURE OF CONTRACTOR'S RIG MANAGER <i>[Signature]</i>					
D.P. SIZE	ku/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
89	1974	E			1	1	OPI	700	203
						2	OIL WELL	640	152

E.R.C.B.	OPR	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial <u> X </u>	Initial <u> </u>	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial <u> </u>
(2) Detailed Inspection-Weekly (using check list)	Initial <u> X </u>	Initial <u> </u>	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial <u> </u>
(3) H ₂ S Signs Posted (if required)	Initial <u> </u>	Initial <u> </u>	(3) Mast Inspected Before Raising or Lowering	Initial <u> 2 </u>

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			REEL No.
LAST CUT CUTTING CUTTING LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No JOINTS	TOTAL LENGTH	RKB TO CSG HD	SET AT	SIZE	No LINES	METRES SLIPPED	
										10	8		
										METRES CUT OFF	PRESENT LENGTH		
										MEGAJOULES SINCE LAST CUT	2849		
										CUMULATIVE MEGAJOULES	54880		

METRES DRILLED		DR. D RM. P CORE C	CORE No	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) W. BIT ON daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
000	0030	.5	5	BACK WASH CEMENT OUT OF D.P.	
030	0100	.5	6	RIG IN TO FOCH	
00	0120	.5	6	FOCH W/ STINGER AGEM. LAY DOWN 2 SNG	
00	0300	.5	15	LOT DRILL & DISCUSSION.	
00			6	CONT. FOCH. LAY DOWN STINGER RIG IN TO	
	300	1		REH.	
00	0730	4.5	21	UNLOAD FROM/ON PIPE.	
730	10:00	2.50	6	RTH. BHA & 44 STDs. DP (tally)	
00	10:15	.25	7	RIG Service	
015	12:00	1.75	13	Wait on Cement	
		12			

METRES DRILLED		DR D RM R CORE C	CORE No	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		IPUMP No. 2		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
36-33	918-910	D			50	1000	2.5	140	60			SGL S PAR EL P COM D C
							REDUCED PUMP SPEED	1.2	110	30		

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

[illegible]

TIME DISTRIBUTION - HOURS				No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD						MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR		BIT	MET	m	BIT No				TIME				
1	RIG UP AND TEAR DOWN				PIT 508	.91		SIZE				DENSITY kg/m ³				
2	DRILL ACTUAL		1073		STB RMR	OD	m	MFG				PRESSURE GRADIENT				
3	REAMING				8 D.C. ID	SPH-1	OD	74.13	m	TYPE		VISCOSITY				
4	CORING				STB RMR	OD	m	JETS mm				PV mPa*s	YP Pa	/	/	/
5	CONDITION MUD & CIRCULATE				D.C. ID	OD	m	SER. No.				GEL STR Pa	/	/	/	/
6	TRIPS		45		STB RMR	OD	m	DEPTH OUT				WATER LOSS cm ³				
7	LUBRICATE RIG		35					DEPTH IN				pH				
8	REPAIR RIG							TOTAL METRES DRILLED				SOLIDS %				
9	CUT OFF DRILLING LINE							TOTAL HRS RUN								
10	DEVIATION SURVEY				44 STANDS DP	8420.9	m	COND. 1/8's T/B/GAGE				MUD & CHEMICALS ADDED				
11	WIRE LINE LOGS				1 SINGLES DP	9.51	m	FLOW RATE m ³ /min	/	/	/	TYPE	AMT. kg	TYPE	AMT. kg	
12	RUN CASING & CEMENT				KELLY DOWN	9.25	m	PRESSURE DROP kPa								
13	WAIT ON CEMENT		175 125		TOTAL	736.33	m									
14	NIPPLE UP B.O.P.				(FORCE) WT. OF STRING	18,000	daN									
15	TEST B.O.P.		5		REMARKS: Mandrel valves (✓) HELD B.O.P. DRILL & DISCUSSION W/ CREW WELL SECURE & MEN IN POSITION (86 SEC)											
16	DRILL STEM TEST															
17	PLUG BACK															
18	SQUEEZE CEMENT															
19	FISHING															
20	OIL WORK															
21			45													
22																

DRILLER *Holland*

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD				
A. PERF'N		BIT	17.11	554	m	BIT No.			TIME			
B. TBG TRIPS			8/500	91		SIZE			DENSITY	kg/m ³		
C. TREATING		STB	RMR	OD	m	MFG.			PRESSURE	GRADIENT		
D. SWABBING		D.C.	ID	OD	m	TYPE			VISCOSITY			
E. TESTING		STB	RMR	OD	m	JETS	mm		PV	YP		
F. ADDIT'N'L		D.C.	ID	OD	m	SER. No.			GEL STR.	Pa		
G.		STB	RMR	OD	m	DEPTH OUT			WATER LOSS	cm ³		
TOTALS						DEPTH IN			pH			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)						TOTAL METRES DRILLED			SOLIDS %			
HRS. W/ CONTR. D.P.						TOTAL HRS. RUN			MUD & CHEMICALS ADDED			
HRS. W/ OPR. D.P.		STANDS DP	45	961.37	m	COND. 1/8" T/B GAGE			TYPE	AMT. kg	TYPE	AMT. kg
HRS. WO/ DP		SINGLES	DP	—	m	FLOW RATE	m ³ /min					
HRS. STANDBY		KELLY DOWN	12.11	m	PRESSURE	DROP	kPa					
		TOTAL	948.96	m								
		(FORCE) WT. OF STRING	18.00	daN								
TOTAL DAY WORK		REMARKS										
No. OF DAYS FROM SPUD		Conduct BOP drill / well secure mean no pressure										
CUMULATIVE ROTATING HRS		70.000										
TOTAL MUD COST		DRILLER										



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OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT

REPORT No. 47

LEASE A2 Q45 POINTED MTN			WELL No.		WELL NUMBER		WATER DEPTH		DATE 4-8-83 Yr. Mo. Day		
OPERATOR AMOCO CANADA PET. CO LTD.					CONTRACTOR DRIVE WELL					RIG No. 41	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Don Cairns</i>					SIGNATURE OF CONTRACTOR'S RIG MANAGER <i>John [unclear]</i>						
D.P. SIZE	h/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No	PUMP No	PUMP MANUFACTURER		TYPE	STROKE LENGTH	
89mm	14.71	E	20.6	IF	1	1	OP1		700	203	
						2	OIL WELL		640	152	

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT	m	BIT No.				TIME			
1.	RIG UP AND TEAR DOWN					SIZE				DENSITY kg/m ³			
2.	DRILL ACTUAL			STB RMR	OD	m	MFG.			PRESSURE GRADIENT			
3.	REAMING			D.C. ID	OD	m	TYPE			VISCOSITY			
4.	CORING			STB RMR	OD	m	JETS mm			PV mPa.s	YP Pa	/	/
5.	CONDITION MUD & CIRCULATE	2	10	D.C. ID	OD	m	SER. No.			GEL STR. Pa		/	/
6.	TRIPS		3	STB RMR	OD	m	DEPTH OUT			WATER LOSS cm ³			
7.	LUBRICATE RIG						DEPTH IN			pH			
8.	REPAIR RIG						TOTAL METRES DRILLED			SOLIDS %			
9.	CUT OFF DRILLING LINE						TOTAL HRS. RUN						
10.	DEVIATION SURVEY												
11.	WIRE LINE LOGS			STANDS O.P.	m	COND. 1/8" T/B/GAGE				MUD & CHEMICALS ADDED			
12.	RUNCASING & CEMENT			SINGLES	DP	m	FLOW RATE m ³ /min	/	/	TYPE	AMT. kg	TYPE	AMT. kg
13.	WAIT ON CEMENT			KELLY DOWN	m	PRESSURE DROP kPa				STC 10L			
14.	NIPPLE UP B.O.P.			TOTAL	m								
15.	TEST B.O.P.			(FORCE) WT. OF STRING	daN								
16.	DRILL STEM TEST			REMARKS									
17.	PLUG BACK												
18.	SQUEEZE CEMENT		2										
19.	FISHING												
20.	DIR. WORK												
21.			225										
DRILLER 90 400.0													

FIRST TOUR

COMPLETION		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD				
23	A. PERF. R/T N	5.5		BIT	m	BIT No.			TIME			
	B. TBG TRIPS					SIZE			DENSITY kg/m ³			
	C. TREATING			STB RMR	OD	m	MFG.		PRESSURE GRADIENT			
	D. SWABBING			D.C. ID	OD	m	TYPE		VISCOSITY			
	E. TESTING	4.5		STB RMR	OD	m	JETS mm		PV mPa.s YP Pa	/	/	/
	F. ADDIT'N'L			D.C. ID	OD	m	SER. No.		GEL STR. Pa	/	/	/
G.			STB RMR	OD	m	DEPTH OUT		WATER LOSS cm ³				
TOTALS						DEPTH IN			pH			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)						TOTAL METRES DRILLED			SOLIDS %			
HRS. W/ CONTR. D.P.						TOTAL HRS. RUN			MUD & CHEMICALS ADDED			
HRS. W/ OPR. D.P.				STANDS DP	m	COND. 1/8"s T/B/GAGE			TYPE	AMT. kg	TYPE	AMT. kg
HRS. WO/DP				SINGLES DP	m	FLOW RATE m ³ /min	/	/				
HRS. STANDBY				KELLY DOWN	m	PRESSURE DROP kPa						
				TOTAL	m							
				IFORCE/ WT. OF STRING		daN						
REMARKS												
TOTAL DAY WORK		12	17									
No. OF DAYS FROM SPUD												
CUMULATIVE ROTATING HRS.												
TOTAL MUD COST												

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial <u> </u>	Initial <u> </u>	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial <u> </u>
(2) Detailed Inspection-Weekly (using check list)	Initial <u> </u>	Initial <u> </u>	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial <u> </u>
(3) H ₂ S Signs Posted (if required)	Initial <u> </u>	Initial <u> </u>	(3) Mast Inspected Before Raising or Lowering	Initial <u> </u>

LEGAL LAND DESCRIPTION										WIRE LINE RECORD				
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG HD.	SET AT	SIZE	REEL No.	No. LINES	METRES SLIPPED	
											13		8	
											METRES CUT OFF		PRESENT LENGTH	
											MEGAJOULES SINCE LAST CUT		1469	
											CUMULATIVE MEGAJOULES		48713	

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL. S PAR. E L COM'D. C
						REDUCED PUMP SPEED						

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

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
0000			A	RIG IN ATLAS WIRELINE TO PERFORATE / PRESS.	
	0300	3		TEST LUBRICATOR - CASING 2MPa LOW - 11MPa HIGH ON	
0300		2.5	A	PERFORATE SQUEEZE PERFS @ 17.148 DRILLING	
	0510	0530		MOD RETURNS FROM INTR. CSG SHUT IN RIG IN TESTER	
0530		1	E	OPEN SURFACE CSG - FREE OFF - NO RETURNS / OPEN INTR.	
	10.08	4.50		CSG - MOD RETURNS - ANNULUS EFFECTS OFF.	
10.00	11.15	1.25	5	Pump down CSG up INTR. CSG to clean up mud + gels	
11.15	12.00	.75	5	Attempt to Circ + CSG + 1 Surfc. CSG vent (no returns)	
		12			

METRES DRILLED		DR. D RM. R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS.	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL. S PAR'EL. P COM'D. C
						REDUCED PUMP SPEED						

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

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
12.00	13.00	1.00	5	Conn & Ck 9 INTR Csk. 5m/min	
13.00	15.15	2.25	21	Rig to wireline to test CMT. RET at 9.14 m / Rig out wireline	
15.15	18.15	3	6	Tally & PIA to 9.34m w/ stringer / space out	
18.15	19.1			STING IN RETAINER	
	22.00	3.75	15	CIR @ 5.4m/min - 3mPA CIR TO 50m ³	
22.00		7	18	POD RETAINER + RIG IN NOVUSCO / PRESSURE TEST SURFACE EQUIP OK / STING TUNG RETAINED	
				FIND NEUTRAL / PRESSURE TEST DR TO 14MPA OK.	
				MIX CEMENT. + PUMP @ 14MPA BACK 17554	



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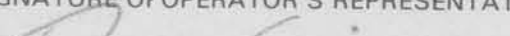
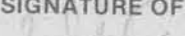
Revised December 1986

OFFICIAL DAILY DRILLING REPORT FORM

No. 44

DAILY DRILLING REPORT

REPORT No.

LEASE			WELL No.		WELL NUMBER		WATER DEPTH		DATE		
A2 K45 POINTED MTD									14 07 12		
OPERATOR AMOLD CANADA PET CO. LTD					CONTRACTOR					Yr. Mo. Day	
A2 K45 POINTED MOUNTAIN					DRIVE WELL					RIG No.	
SIGNATURE OF OPERATOR'S REPRESENTATIVE					SIGNATURE OF CONTRACTOR'S RIG MANAGER						
											
D.P. SIZE	kg/n	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE	STROKE LENGTH	
89mm	19.79	E	120.6	IF	1	1	DPI		700	203	
						2	OIL WELL		640	152	

E.R.C.B.	OPR	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial <i>DL</i>	Initial	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial <i>DL</i>
(2) Detailed Inspection-Weekly (using check list)	Initial	Initial <i>DL</i>	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial
(3) H ₂ S Signs Posted (if required)	Initial	Initial	(3) Mast Inspected Before Raising or Lowering	Initial

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
										REEL No.		
OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED	
									1 1/2	8		
									METRES CUT OFF		PRESENT LENGTH	
									MEGAJOULES SINCE LAST CUT		634	
									CUMULATIVE MEGAJOULES		472.44	

TIME DISTRIBUTION - HOURS				No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD					
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR		BIT		m	BIT No.				TIME				
1	RIG UP AND TEAR DOWN							SIZE				DENSITY kg/m ³				
2	DRILL ACTUAL				STB RMR	OD	m	MFG.				PRESSURE GRADIENT				
3	REAMING				D C ID	OD	m	TYPE				VISCOSITY				
4	CORING				STB RMR	OD	m	JETS mm				PV mPa.s	YP Pa	/	/	/
5	CONDITION MUD & CIRCULATE	7	3		D C ID	OD	m	SER. No.				GEL STR. Pa	/	/	/	
6	TRIPS				STB RMR	OD	m	DEPTH OUT				WATER LOSS cm ³				
7	LUBRICATE RIG		25					DEPTH IN				pH				
8	REPAIR RIG							TOTAL METRES DRILLED				SOLIDS %				
9	CUT OFF DRILLING LINE							TOTAL HRS. RUN								
10	DEVIATION SURVEY				STANDS D P		m	COND. 1/8" s T/B/GAGE				MUD & CHEMICALS ADDED				
11	WIRE LINE LOGS				SINGLES DP		m	FLOW RATE m ³ /min	/	/		TYPE	AMT. kg	TYPE	AMT. kg	
12	RUN CASING & CEMENT				KELLY DOWN		m	PRESSURE DROP kPa								
13	WAIT ON CEMENT				TOTAL		m									
14	NIPPLE UP B.O.P.				(FORCE) WT. OF STRING		daN									
15	TEST B.O.P.	2.30	2.25		REMARKS											
16	DRILL STEM TEST															
17	PLUG BACK															
18	SQUEEZE CEMENT		2.30													
19	FISHING															
20	DIR. WORK															
21	Bleed off	6.75														
22	6.30 2.17.14		7.5													

DRILLER *91 H. H. H.*

[illegible]

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

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
0000	0300	2	E	FLOW WELL - RIG SERVICE	
0000				SHUT IN WELL - RIG IN TO KILL - BLEED	
	0445	2.75	21	OFF INTERMEDIATE + SURFACE CSG ^s	
0445	0530	.75	5	PUMP 9m ³ DOWN DRILL PIPE - MONITOR SIDPP	
0530	0730	4.00	21	Rig up for cement job & Bleed off SIDPP - 1100 kpa	
0730	1200	2.70	15	Pressure test all pump lines & conduct safety meeting	
		<u>2</u>			

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD						MUD RECORD			
A. PERF'RTN		BIT	STINGER	1.37	m	BIT No.					TIME				
B. TBG TRIPS			NO	.60		SIZE					DENSITY kg/m ³				
C. TREATING		STB RMR	OD		m	MFG.					PRESSURE GRADIENT				
D. SWABBING		D.C. ID	OD		m	TYPE					VISCOSITY				
E. TESTING	2	STB RMR	OD		m	JETS mm					PV mPa.s	YP Pa	/	/	
F. ADDIT'L		D.C. ID	OD		m	SER. No.					GEL STR. Pa		/	/	
G.		STB RMR	OD		m	DEPTH OUT					WATER LOSS cm ³				
TOTALS						DEPTH IN					pH				
DAY WORK TIM SUMMARY (OFFICE US ONLY)						TOTAL METRES DRILLED					SOLIDS %				
HRS. W/CONTR D.P.						TOTAL HRS RUN									
HRS. W/OPR D.P.		120	STANDS DP	2294.10	m	COND. 1/B's T/B/GAGE					MUD & CHEMICALS ADDED				
HRS. WO/DP		1	SINGLES DP	950	m	FLOW RATE m ³ /min		/	/		TYPE	AMT. kg	TYPE	AMT. kg	
HRS. STANDBY		2	KELLY DOWN	550	m	PRESSURE DROP kPa									
			TOTAL	13143	m										
		(FORCE) WT. OF STRING		34000	daN										
TOTAL DAY WORK		12													
No. OF DAYS FROM SPUD															
CUMULATIVE ROTATING HRS															
TOTAL MUD COST															
REMARKS		13.00 = 2.0 hrs CS6 vent 100 l/min / 8 MT. CS6 1350 RPM 13.00 = 2.0 hrs CS6 vent 100 l/min / 10L CS6 1500 RPM													

[illegible]

VIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00	1245	25	7	Rig Service / Function Hardware (Close 8 Sec)	
15				Shut valve Cont. Kit / pressure test & function test the kit in the	
	1430	225	15	at Physical / Shut out of Cont. Kit & start Cont.	
30	1700	250	18	Shut out Cont. Kit & operate Cont. Kit + 1700	
45	1805	10	5	Breakdown Cont. Kit / 3000	
00			5	Cont. Kit / 3000	
	2000	2		VOLUME = 10m ³ FLOW CHECK / - DIRECTION FLOW 3000	
00	2315	325	6	FROM W/STUCKER	
15		75	22	RIG IN ATLAS WIRE LINE	
		12			



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Revised December 1986

OFFICIAL DAILY DRILLING REPORT FORM

No. 40

DAILY DRILLING REPORT

REPORT No. 40

LEASE A-2 P45 POINTED MOUNTAIN	WELL No.	WELL NUMBER	WATER DEPTH	DATE 9/10/11 Yr. Mo. Day					
OPERATOR AMOCO (ANAM PET CO LTD.)		CONTRACTOR DRIVE WELL		RIG No. 41					
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER							
D.P. SIZE 89mm	kg/m 1979	GRADE E	TOOL JT O.D. 120.6 IF	TYPE THREAD 1	STRING No.	PUMP No.	PUMP MANUFACTURER DPI	TYPE 700	STROKE LENGTH 003
						2	OKWELL	6410	152

TIME DISTRIBUTION - HOURS			No.	DRILLING ASSEMBLY (at end of tour)	BIT RECORD	MUD RECORD
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT	BIT No.	TIME
1	RIG UP AND TEAR DOWN				SIZE	DENSITY kg/m ³
2	DRILL ACTUAL			STB RMR OD	m MFG	PRESSURE GRADIENT
3	REAMING			D.C. ID OD	m TYPE	VISCOSITY
4	CORING			STB RMR OD	m JETS mm	PV mPas yP Pa
5	CONDITION MUD & CIRCULATE	4		D.C. ID OD	m SER. No.	GEL STR. Pa
6	TRIPS			STB RMR OD	m DEPTH OUT	WATER LOSS cm ³
7	LUBRICATE RIG	5			DEPTH IN	pH
8	REPAIR RIG				TOTAL METRES DRILLED	SOLIDS %
9	CUT OFF DRILLING LINE				TOTAL HRS. RUN	
10	DEVIATION SURVEY			STANDS DP	m COND. 1/8" T/B/GAGE	MUD & CHEMICALS ADDED
11	WIRE LINE LOGS			SINGLES DP	m FLOW RATE m ³ /min	TYPE AMT. kg TYPE AMT. kg
12	RUN CASING & CEMENT			KELLY DOWN	m PRESSURE DROP kPa	
13	WAIT ON CEMENT			TOTAL	m	
14	NIPPLE UP B.O.P.			(FORCE) WT. OF STRING	daN	
15	TEST B.O.P.			REMARKS 3700 KPA ON SURFACE CASING - 4900 KPA ON INTER-MEDIATE CASING		
16	DRILL STEM TEST					
17	PLUG BACK					
18	SQUEEZE CEMENT					
19	FISHING					
20	DIR. WORK					
21	Cased off	5		DRILLER J. H. HALL		
22	WOOD	7	2			

COMPLETION			No.	DRILLING ASSEMBLY (at end of tour)	BIT RECORD	MUD RECORD
A	PERF. T/I		BIT	BIT No.	TIME	
B <td>TBG TRIP</td> <td></td> <td></td> <td>SIZE</td> <td>DENSITY kg/m³</td>	TBG TRIP			SIZE	DENSITY kg/m ³	
C <td>TREATING</td> <td></td> <td>STB RMR OD</td> <td>m MFG</td> <td>PRESSURE GRADIENT</td>	TREATING		STB RMR OD	m MFG	PRESSURE GRADIENT	
D <td>SWABBING</td> <td></td> <td>D.C. ID OD</td> <td>m TYPE</td> <td>VISCOSITY</td>	SWABBING		D.C. ID OD	m TYPE	VISCOSITY	
E <td>TESTING</td> <td>5 9.5</td> <td>STB RMR OD</td> <td>m JETS mm</td> <td>PV mPas yP Pa</td>	TESTING	5 9.5	STB RMR OD	m JETS mm	PV mPas yP Pa	
F <td>ADDIT'N</td> <td></td> <td>D.C. ID OD</td> <td>m SER. No.</td> <td>GEL STR. Pa</td>	ADDIT'N		D.C. ID OD	m SER. No.	GEL STR. Pa	
G			STB RMR OD	m DEPTH OUT	WATER LOSS cm ³	
TOTALS		12 12		DEPTH IN	pH	
DAY WORKTIME SUMMARY (OFFICE USE ONLY)				TOTAL METRES DRILLED	SOLIDS %	
HRS. W/CONTR. D.P.				TOTAL HRS. RUN		
HRS. W/OPR. D.P.			STANDS DP	m COND. 1/8" T/B/GAGE	MUD & CHEMICALS ADDED	
HRS. WO/DP			SINGLES DP	m FLOW RATE m ³ /min	TYPE AMT. kg TYPE AMT. kg	
HRS. STANDBY			KELLY DOWN	m PRESSURE DROP kPa		
TOTAL DAY WORK			TOTAL	m		
			(FORCE) WT. OF STRING	daN		
			REMARKS FUNCTION TEST - HIGH - ANNULAR FRI - VENTUR CHOKES - ALL OK / 1100 CS GEL CEMENT GRAM			
			Intermittent CS 46 gpm /			
No. OF DAYS FROM SPUD			DRILLER D.B.			
CUMULATIVE ROTATING HRS						
TOTAL MUD COST						

E.R.C.B.

- (1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (using check list)
(3) H/S Signs Posted (if required)

OPR.

Initial
Initial

R.M.

Initial
Initial

- (1) Rig Site Health and Safety Meeting (one meeting/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)
(3) Mast Inspected Before Raising or Lowering

R.M.

Initial
Initial

LEGAL LAND DESCRIPTION

WIRE LINE RECORD

REEL No.

OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD	SET AT	SIZE	No. LINES	METRES SLIPPED
									METRES CUT OFF		PRESENT LENGTH
MEGAJOULES SINCE LAST CUT											
CUMULATIVE MEGAJOULES											

METRES DRILLED		DR. D RM R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	STROKES per min	PUMP No. LINER SIZE	STROKES per min	METHOD RUN SGL S PAR'EL P COM'D C
FROM	TO											
REDUCED PUMP SPEED												

DEVIATION RECORD		DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
0000	0030	1/2	E	Flow Well	
0030	0300	2 1/2	5	Rig up and Kill Well - Pump 12m ³ .	
0300	0330	1/2	21	Bleed off annulus - 600 kPa.	
0330	0930	5	22	Wait on orders.	
0930	1000	1.5	5	Circulate Hole Volume + 10m ³ = 34m ³	
1000	1200	2	22	Wait on orders.	

METRES DRILLED		DR. D RM R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. LINER SIZE	STROKES per min	PUMP No. LINER SIZE	STROKES per min	METHOD RUN SGL S PAR'EL P COM'D C
FROM	TO											
REDUCED PUMP SPEED												

DEVIATION RECORD		DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
1200	1230	5	7	Rig service / close pipe rams 3 secs	
1230	1430	2	22	Wait on orders	
1430	1630	2	E	String into retainer - rig in testers	
1630	0000	7 1/2	E	Flow well to testers (OPP 13.1 mpa) / 7.00	

FORM 2T6m

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OFFICIAL DAILY DRILLING REPORT FORM

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H-S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD																	
LINE 20 A-2 E-45 T-10 Mn.										REEL No.																	
OUTSIDE DIAMETER		INSIDE DIAMETER		MAKE		kg/m		GRADE		No JOINTS		TOTAL LENGTH		RKB. TO CSG. HD.		SET AT		SIZE		No. LINES		METRES SLIPPED					
																		1 1/2"		8		1244					
																				METRES CUT OFF				PRESENT LENGTH			
																				MEGAJOULES SINCE LAST CUT				2532			
																				CUMULATIVE MEGAJOULES				44750			

[illegible]

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

0000	00:00	3/4	5	Circ.
0015	0200	1 1/4	5	Roll HOLE OVER TO FRESH WATER.
0030	03:15	1/4	7	Roll RIG SERVICE. FUNCTION TEST ANNULAR 9 S
0045	0645	4 1/2	6	POOH. LAY DOWN HWAP.
0055	0730	75	9	SLIP + CUT.
0110				RIG IN 73mm EQUIP. RIH W/45 ITS 73mm
0120	1030	3	6	+ 97mm MELL
0130	1200	1.5	15	PRESSURE TEST BOP DESI PIPELAYS. ANNUL

METRES DRILLED		DR - D RM - R CORE - C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		M
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
						REDUCED PUMP SPEED						

VIATION ECOND	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG			ELAPSED TIME	CODING No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO					

	TIME	DROP DOWN	DEPTH OF DRILLING IN FEET AND INCHES	REMARKS
00	1300	1.00	15	PRESSURE TEST BOP.
00	1645	3.75	6	RTH W/ 97mm MILL TAG LIVER TOP: K&L
45	1845	1.50	21	* ROTATE TO LEFT THRU LINE TOP @ 2794
5	19:00	3/4	6	DRILL INTO LINER
:00	19:15	1/4	7	K&L SERVICE . FUNCTION TEST PIPE PAINS. KISS
15	21:00	13/16	23	Drill Drill OUT LINER.
00	21:30	1 1/2	22	PRESSURE TEST 7MPA 15 min S. HOLD SAFETY MEETING, PE
30	22:30	1	23	DRILL OUT TO STAGE CELAR.
30	2400	1 1/2	23	DRILL OUT STAGE CELAR. & wipe lube.
	12HRS			

REPORT No.

REPORT No. 32

LEASE A-20 K-45 P.D. M.T.N.			WELL No.		WELL NUMBER			WATER DEPTH		DATE 94 07 07 Yr. Mo. Day	
OPERATOR AMOCO CANADA PET CO LTD.						CONTRACTOR DRIVE WELL					
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>						SIGNATURE OF CONTRACTOR'S RIG MANAGER <i>[Signature]</i>					
D.P. SIZE		kg/m	GRADE	TOOL JT. O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE	STROKE LENGTH
88.9		19.75	E	130.6	IF	1	1	OP 1		100	203
							2	OR WELL		640	152

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT	m	BIT No.				TIME			
1.	RIG UP AND TEAR DOWN					SIZE				DENSITY kg/m ³			
2.	DRILL ACTUAL			STB RMR	OD	m	MFG.			PRESSURE GRADIENT			
3.	REAMING			D.C. ID	OD	m	TYPE			VISCOSITY			
4.	CORING			STB RMR	OD	m	JETS mm			PV mPa.s	YP Pa	/	/
5.	CONDITION MUD & CIRCULATE			D.C. ID	OD	m	SER. No.			GEL STR Pa	/	/	/
6.	TRIPS	10		STB RMR	DD	m	DEPTH OUT.			WATER LOSS cm ³			
7.	LUBRICATE RIG						DEPTH IN			pH			
8.	REPAIR RIG						TOTAL METRES DRILLED			SOLIDS %			
9.	CUT OFF DRILLING LINE						TOTAL HRS. RUN						
10.	DEVIATION SURVY						COND. 1/8" s T/B/GAGE			MUD & CHEMICALS ADDED			
11.	WIRE LINE LOGS	2		STANDS D.P.		m	FLOW RATE m ³ /min	/	/	TYPE	AMT. kg	TYPE	AMT. kg
12.	RUN CASING & CEMENT			SINGLES	DP	m	PRESSURE DROP kPa						
13.	WAIT ON CEMENT			KELLY DOWN		m							
14.	NIPPLE UP B.O.P.			TOTAL		m							
15.	TEST B.O.P.			(FORCE) WT. OF STRING		daN							
16.	DRILL STEM TEST			REMARKS FUNCTION TEST BLINDS. 4-SEC.									
17.	PLUG BACK												
18.	SQUEEZE CEMENT												
19.	FISHING												
20.	DIR. WORK												
21.													
22.													

FIRST TOUR

DRILLER *Mark G.*

COMPLETION		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
A. PERF. RT.		BIT	0 m	BIT No.				TIME			
B. TBG TRIP				SIZE				DENSITY kg/m ³			
C. TREATING		STB RMR	OD	m	MFG			PRESSURE GRADIENT			
D. SWABBING		D.C. ID	OD	m	TYPE			VISCOSITY			
E. TESTING		STB RMR	OD	m	JETS	mm		PV mPa.s	YP Pa		
F. ADDIT./N/		D.C. ID	OD	m	SER. No.			GEL STR. Pa			
G.		STB RMR	OD	m	DEPTH OUT			WATER LOSS cm ³			
TOTALS					DEPTH IN			pH			
DAY WORKTIME SUMMARY (OFFICE USE ONLY)					TOTAL METRES DRILLED			SOLIDS %			
HRS. W/CONTR. D.P.					TOTAL HRS. RUN						
HRS. W/OPR. D.P.		STANDS DP		m	COND. 1/8's T/B/GAGE			MUD & CHEMICALS ADDED			
HRS. WO/DP		SINGLES DP		m	FLOW RATE m ³ /min			TYPE	AMT. kg	TYPE	AMT. kg
HRS. STANDBY		KELLY DOWN		m	PRESSURE DROP kPa						
		TOTAL		m							
		(FORCE) WT OF STRING		daN							
TOTAL DAY WORK		REMARKS									
No. OF DAYS FROM SPUD											
CUMULATIVE ROTATING HRS											
TOTAL MUD COST											

SECOND TOUR

DRILLER

E.R.C.B.		O.P.R.		R.M.	
(1) Daily Walk Around Inspection		Initial		Initial	
(2) Detailed Inspection-Weekly (using check list)		Initial		Initial	
(3) H+S Signs Posted (if required)		Initial		Initial	
(1) Rig Site Health and Safety Meeting (one meeting/crew/month) (2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month) (3) Mast Inspected Before Raising or Lowering R.M. Initial Initial Initial					
LEGAL LAND DESCRIPTION					
WIRE LINE RECORD					
REEL No.					
SIZE					
No. LINES					
METRES SLIPPED					
METRES CUT OFF					
PRESENT LENGTH					
MEGAJOULES SINCE LAST CUT					
CUMULATIVE MEGAJOULES					

[illegible]

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
0000	0130		12	BATCHING CEMENT. PRESS TEST. PUMP CEMENT.	
0130	0130	1 1/2	12	DUMP PLUG TO CLOSE WATER COLLAR.	
0130	0230	1	6	POOH 20 STBS.	
0230	0300	1/2	12	RIG OUT CEMENTERS. LAID DOWN CEMENTING HEAD.	
0300	0630	3 1/2	6	POOH - BREAK DOWN SETTING TOOL.	
0630	0730	1	6	Rig 5 STBS HWOP. PULL OUT SIDEWAYS.	
0730	0830	1	6	MAKE UP BHA	
0830	1200	3.5	6	RIH BHA #8 FOLISH ASSEMBLY	
Line	54m	3082	35m	W.S. being up 2292.11m. Rig	
Flare	100m	27	W/O	W. T. 10, 0.5% 0.24, 0.32, 11-6 + 0.5% 0.11 Density 1.07	
Total	100m	3m		Seepage in sand + 10% Seepage in sand + 10% Seepage in sand	

[illegible]

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
1200	1230	5	7	RIG SERVICE - FUNCTION PIPE RAMS - CLOSE 4sec	
1230				RIN W/ BHA #8 POLISH ASSEMBLY	
				TAKE CEMENT TOP @ 2693 LA/ 11	
				STUTTS DOWN RIN REST OF STANDS	
	1600	3.5	6	NEED UP + BREAK CIRCULATION.	
1600	23:15	7 1/4	21	DRILL CEMENT	
23:15	2400	3/4	5	CIRCL.	

REPORT No.

REPORT No. 30

LEASE AD 1000 MIN K-415		WELL No.		WELL NUMBER		WATER DEPTH		DATE 94 09 05 Yr. Mo. Day	
OPERATOR Amco Canada Pet. Co. Ltd.				CONTRACTOR Drive Well Servicing				RIG No. 4	
SIGNATURE OF OPERATOR'S REPRESENTATIVE [Signature]				SIGNATURE OF CONTRACTOR'S RIG MANAGER [Signature]					
D.P. SIZE	kg/n	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No	PUMP No	PUMP MANUFACTURER	TYPE	STROKE LENGTH
359	17.74	E	110.6	1 1/2	375	1	OPI	700	203
						2	GILWELL	640	152

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

Initial _____
Initial _____
Initial _____

REF. NO.

SIZE 1 1/8"	NO. LINES 8	METRES SLIPPED 12.44
METRES CUT OFF 12.44	PRESENT LENGTH	
MEGAJOULES SINCE LAST CUT		
CUMULATIVE MEGAJOULES		

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT		BIT No				TIME			
1	RIG UP AND TEAR DOWN					SIZE				DENSITY kg/m ³			
2	DRILL ACTUAL			STB RMR	OD	m	MFG.			PRESSURE GRADIENT			
3	REAMING			D.C. ID	OD	m	TYPE			VISCOSITY			
4	CORING			STB RMR	OD	m	JETS mm			PV mPa.s	YP Pa	/	/
5	CONDITION MUD & CIRCULATE	14		D.C. ID	OD	m	SER. No			GEL STR. Pa		/	/
6	TRIPS	1	25	STB RMR	OD	m	DEPTH OUT			WATER LOSS cm ³			
7	LUBRICATE RIG						DEPTH IN			pH			
8	REPAIR RIG						TOTAL METRES DRILLED			SOLIDS %			
9	CUT OFF DRILLING LINE	12					TOTAL HRS. RUN						
10	DEVIATION SURVEY			STANDS D P		m	COND. 1/8" T/B/GAGE			MUD & CHEMICALS ADDED			
11	WIRE LINE LOGS		5	SINGLES	DP	m	FLOW RATE m ³ /min			TYPE	AMT. kg	TYPE	AMT. kg
12	RUN CASING & CEMENT			KECKLY DOWN		m	PRESSURE DROP kPa						
13	WAIT ON CEMENT			TOTAL		m							
14	NIPPLE UP B.O.P.			(FORCE)									
15	TEST B.O.P.			WT. OF STRING		daN							
16	DRILL STEM TEST			REMARKS									
17	PLUG BACK			HOLE IN GOOD CONDITION.									
18	SQUEEZE CEMENT												
19	FISHING												
20	DIR. WORK												
21													

DRILLER *Handwritten Signature*

FIRST TOUR

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
A. PERF'TN		BIT		m	BIT No	7				TIME			
B. TNG TRIPS					SIZE	1 3/8				DENSITY kg/m ³			
C. TREATING		STB RMR	OD	m	MFG.	SPRITH				PRESSURE GRADIENT			
D. SWABBING		D.C. ID	OD	m	TYPE	E 50				VISCOSITY			
E. TESTING		STB RMR	OD	m	JETS	mm	11	11	4	PV mPa.s	YP Pa	/	/
F. ADDIT'L		D.C. ID	OD	m	SER. No		142293			GEL STR. Pa		/	/
G.		STB RMR	OD	m	DEPTH OUT		3216	3216		WATER LOSS cm ³			
TOTALS	7.12				DEPTH IN		3110			pH			
DAY WORK TIMESUMMARY (OFFICE USE ONLY)					TOTAL METRES DRILLED		56			SOLIDS %			
HRS. W/CONTR. D.P.					TOTAL HRS. RUN		15.5			MUD & CHEMICALS ADDED			
HRS. W/DPR. D.P.		STANDS DP		m	COND. 1/8" s T/B/GAGE		311			TYPE	AMT. kg	TYPE	AMT. kg
HRS. WO/DP		SINGLES DP		m	FLOW RATE m ³ /min		/						
HRS. STANDBY		KELLY DOWN		m	PRESSURE DROP kPa								
		TOTAL		m									
		IFORCE WT. OF STRING		daN									
TOTAL DAY WORK		REMARKS: INTERMEDIATE CSG BUILT UP TO 3W FLARE OFF + SHUT IN SURFACE CSG FUNCTION BLINDS + CHOKES											
No. OF DAYS FROM SPUD													
CUMULATIVE ROTATING HRS													
TOTAL MUD COST													

SECOND TOUR

[illegible]

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

[illegible][illegible]

						PUMP SPEED				
DEVIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
0000	0745	.75	6	CONT POOH. HLWDP LAY DOWN BHA #7	
0745	0800	.25	7	RIG SERVICE, FUNCTION BLEED RAMS - 450	
0800	1300	5	11	RIG IN ATLAS TO LOG	
0800	1500	2	6	LAY DOWN COLLARS	
0800	1900	4	21	WAIT ON LINER TOOLS - RIG CLEAN UP MAINTENANCE. RIG IN LINER HANDLING EQUIP	
0800	2000	1 1/2	21	WAIT ON LINER TOOLS. GENERAL MAINTENANCE.	
0830	2230	2	12	RIG UP LONG TRUCK. GET FLUID ALL RIGGED UP.	
0830	2300	1/2	22	PREPARE SAFETY MEETING.	
0800	2400	1.0	11	RIG LINER	

No. 29

REPORT No. 29

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial <u> </u>	Initial <u> </u>	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial <u> </u>
(2) Detailed Inspection-Weekly (using check list)	Initial <u> </u>	Initial <u> </u>	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial <u> </u>
(3) H ₂ S Signs Posted (if required)	Initial <u> </u>	Initial <u> </u>	(3) Mast Inspected Before Raising or Lowering	Initial <u> </u>

LEGAL LAND DESCRIPTION									WIRE LINE RECORD			REEL NO.
	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG HD	SET AT	SIZE	No. LINES	METRES SLIPPED
LAST USING LUBING LINER	111-814-2		U-30				28-56	6-35	2856	1 1/8	8	
										METRES CUT OFF	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT	417004	
										CUMULATIVE MEGAJOULES	36768 37080	

METRES DRILLED		DR. D AM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
160	3208	D			60	900	95	140	80			SGL. S. PAR'EL. P COM'D. C
					REDUCED PUMP SPEED		38	140	35			

[illegible]

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
208	321610	8			60	9000	9000	140	80	140	—	S
							4.0					
					REDUCED PUMP SPEED	33	140	40				

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00	13:30	1 1/2	2	DRILL 156 mm HOLE FROM 3208 TO 3216	
30	14:45	1 1/2	5	CIRC BOTTOMS UP.	
45	15:15	1 1/2	21	HOLD B&P WIRE FOR NER.	
15	17:00	1 1/2	6	PUSH TO CASING - WIPER TRIP 20 STDS	
00	17:30	.50	22	PLUG KELLY - TAG BTM @ 3215m (1m FILL) & BREAK WIRE.	
				& CLEAN 1m FILL TO 3216 TD	
30	19:00	1.50	5	CIRCULATE & CONDITION HOLE - WORK STRINGS	
00	23:15	4.25	11	RIG IN ATLAS WIRE LINE TO RIH GYRO - CIRCULATE	
15	24:00	.75	5	KELLY UP - CLEAN TO 3216 TD - CIRCULATE	
				& CONDITION HOLE - WORK STRINGS	
				3216	

No.

DAILY DRILLING REPORT

REPORT No. 28

LEASE A-2 PTD MT. K-45			WELL No.		WELL NUMBER A-2 PTD MT K-45		WATER DEPTH		DATE 9/10/03 Yr. Mo. Day		
OPERATOR Amoco Resources					CONTRACTOR Drive Well					RIG No. 411	
SIGNATURE OF OPERATOR'S REPRESENTATIVE Th. D.B. [Signature]					SIGNATURE OF CONTRACTOR'S RIG MANAGER [Signature]						
D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE	STROKE LENGTH	
88.9	1179	E	120.6	IF		1	OPI		700	203	
						2	Oilwell		640	152	

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial <u> </u>	Initial <u> </u>	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial <u> </u>
(2) Detailed Inspection-Weekly (using check list)	Initial <u> </u>	Initial <u> </u>	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial <u> </u>
(3) H ₂ S Signs Posted (if required)	Initial <u> </u>	Initial <u> </u>	(3) Mast Inspected Before Raising or Lowering	Initial <u> </u>

LAST CUTTING LINE	LEGAL LAND DESCRIPTION									WIRE LINE RECORD			
	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT	SIZE	REEL No.	METRES SLIPPED	
											178	8	
	177-8	162	N-10				2856	6-35	2856	METRES CUT OFF	PRESENT LENGTH		
										MEGAJOULES SINCE LAST CUT	3755		
										CUMULATIVE MEGAJOULES	36061		

METRES DRILLED		DR. D RM. R CORE. C	CORE No	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL. S PAR. L P COMD. C
					REDUCED BIHED SPEED							

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

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

1200	12	8	WATSON ROTARY TABLE BEARINGS. (BEING FLOWN IN FR/ REDDEAR/ EDMONTON).
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[illegible]

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

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

①				WAIT ON PARTS. / PREFORM GENERAL MAINTENANCE
---	--	--	--	--

1500300 ON AIR & EQUIPMENT / HOLD SALT THERMISTOR & PIN 9

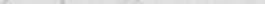
Roll / Address Input Shift & Install Refining.

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OFFICIAL DAILY DRILLING REPORT FORM

TIME DISTRIBUTION - HOURS				No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT		BIT No.					TIME				
1	RIG UP AND TEAR DOWN			B/S	0.15	156					DENSITY kg/m ³				
2	DRILL ACTUAL			STB	0.77	156					PRESSURE GRADIENT				
3	REAMING			D.C.	2.15	156					VISCOSITY				
4	CORING			STB		156					PV mPas				
5	CONDITION MUD & CIRCULATE			D.C.		156					YP Pa				
6	TRIPS			STB		156					GEL STR. Pa				
7	LUBRICATE RIG			RMR		156					WATER LOSS cm ³				
8	REPAIR RIG			D.C.		156					pH				
9	CUT OFF DRILLING LINE			STB		156					SOLIDS %				
10	DEVIATION SURVEY			RMR		156									
11	WIRE LINE LOGS			STANDS		156									
12	RUN CASING & CEMENT			SINGLES		156									
13	WAIT ON CEMENT			KELLY DOWN		156									
14	NIPPLE UP B.O.P.			TOTAL		156									
15	TEST B.O.P.			(FORCE)		156									
16	DRILL STEM TEST			WT. OF STRING		156									
17	PLUG BACK			REMARKS											
18	SQUEEZE CEMENT														
19	FISHING														
20	DIR. WORK														
21															
22															

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
A. PERF'R'T'N					m	BIT No.				TIME			
B. TBG TRIPS						SIZE				DENSITY kg/m ³			
C. TREATING						MFG.				PRESSURE GRADIENT			
D. SWABBING		STB RMR	OD		m	TYPE				VISCOSITY			
E. TESTING		D.C. ID	OD		m	JETS mm				PV mPa.s	YP Pa	/	/
F. ADDIT'N'L		STB RMR	OD		m	SER. No.				GEL STR. Pa		/	/
G.		D.C. ID	OD		m	DEPTH OUT				WATER LOSS cm ³			
TOTALS						DEPTH IN				pH			
DAY WORK TIME SUMMARY (OFFICE USE ONLY)						TOTAL METRES DRILLED				SOLIDS %			
HRS. W/ CONTR. D.P.						TOTAL HRS. RUN							
HRS. W/O PR. D.P.													
HRS. WO/DP		STANDS DP			m	COND. 1/8"s T/B/GAGE				MUD & CHEMICALS ADDED			
HRS. STANDBY		SINGLES DP			m	FLOW RATE m ³ /min		/	/	TYPE	AMT. kg	TYPE	AMT. kg
		KELLY DOWN			m	PRESSURE DROP kPa							
		TOTAL			m								
		(FORCE) WT. OF STRING			daN								
TOTAL DAY WORK		REMARKS											
No. OF DAYS FROM SPUD													
CUMULATIVE ROTATING HRS.													
TOTAL MUD COST													

FORM 2T6m  APPROVED  DRILLER  Revised December 1986

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OFFICIAL DAILY DRILLING REPORT FORM

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Revised December 1996

No. 26

DAILY DRILLING REPORT REPORT No. 26

LEASE: A-2 Oiled Mt Gmoro
OPERATOR: Canada Petroleum Ltd
CONTRACTOR: Drive Well
RIG No. 41

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature]
SIGNATURE OF CONTRACTOR'S RIG MANAGER: [Signature]

D.P. SIZE: 177.9 kg/m GRADE: E TOOL JT O.D.: 100.0 TYPE THREAD: 1P STRING No.: 1 PUMP No.: 1 PUMP MANUFACTURER: UPS TYPE: 700 STROKE LENGTH: 203

TIME DISTRIBUTION - HOURS

CODE No.	OPERATION	FIRST TOUR	SECOND TOUR
1	RIG UP AND TEAR DOWN		
2	DRILL ACTUAL	11 3/4	12
3	REAMING		
4	CORING		
5	CONDITION MUD & CIRCULATE		
6	TRIPS		
7	LUBRICATE IIG	1/4	
8	REPAIR RIG		
9	CUT OFF DRILLING LINE		
10	DEVIATION SURVEY		
11	WIRE LINE LIGS		
12	RUN CASING & CEMENT		
13	WAIT ON CEMENT		
14	NIPPLE UP B.O.P.		
15	TEST B.O.P.		
16	DRILL STEMTEST		
17	PLUG BACK		
18	SQUEEZE CEMENT		
19	FISHING		
20	DIR. WORK		
21			
22			
23			

DRILLING ASSEMBLY (at end of tour)

No.	BIT	SIZE	TIME
1	16	15	0200 0600 1000

BIT RECORD

BIT No.	SIZE	TIME
16	15	0200 0600 1000

MUD RECORD

TIME	DENSITY kg/m³	PRESSURE GRADIENT	VISCOSITY	PV mPa.s	YP Pa	GEL STR. Pa	WATER LOSS cm³	pH	SOLIDS %
0200	1020		44				8	10	
0600	1015		43				8	10	
1000							7		00%

REMARKS: 59000 daN ↑ 46000 daN ↓ / 11000 11.5 meeting with crew members / BOP dr. 11/5 secured in 75 secs / HCR ✓ chokes ✓ / annular 8 hrs / PVT 01.30 - 25.6 m / Manifold ✓ PVT - 0800 28.2

DRILLER: [Signature]

COMPLETION

A	PERF. T/N
B	TBG. RIPS
C	TREATING
D	SWABING
E	TESTING
F	ADD. N'L
G	

TOTALS: 12 12

DAY WORK TIME SUMMARY (OFFICE USE ONLY)

HRS	W/CONTR. D.P.	W/OPR. DP	W/O DP	STANDBY

TOTAL DAY WORK: [Blank]

No. OF DAYS FROM SPUD: [Blank]

CUMULATIVE ROTATING HRS: [Blank]

TOTAL MUD COST: [Blank]

APPROVED: [Signature] 1977 JANUARY

E.R.C.B. (1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (using check list) (3) H.S. Signs Posted (if required)

OPR. Initial: [Signature] R.M. Initial: [Signature]

(1) Rig Site Health and Safety Meeting (one meeting/crew/month) Initial: [Signature] (2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month) Initial: [Signature] (3) Mast Inspected Before Raising or Lowering Initial: [Signature]

LEGAL LAND DESCRIPTION

WIRE LINE RECORD

SIZE	No. LINES	METRES SLIPPED
178	8	

LAST CASING TUBING OR LINER

OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT
177.8	162.2	M-20				28-50	6.35	2856

METRES CUT OFF: 1437

CUMULATIVE MEGAJOULES: 33739

METRES DRILLED

FROM	TO	DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1 LINER SIZE	STROKES per min	PUMP No. 2 LINER SIZE	STROKES per min	SGL. S PAR. P COM. D. C
3075.4	3114.06	D			60	900	800	140	80			5

REDUCED PUMP SPEED: 4.7 140 40

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
00:00	10:15	25	7	Rig Service	
10:15	12:00	11 1/4	2	Drill from 3075.4 - 3114	

METRES DRILLED

FROM	TO	DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1 LINER SIZE	STROKES per min	PUMP No. 2 LINER SIZE	STROKES per min	SGL. S PAR. P COM. D. C
3114.06	3156.0	D			60	7000	9000	140	80			5

REDUCED PUMP SPEED: 3.8 140 38

DEVIATION RECORD

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

TIME LOG

FROM	TO	ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
1200	24:00	12	2	Drill 156 mm HCR from 3114 to 3156 m	



DAILY DRILLING REPORT REPORT No. 25

LEASE A-2 Painted Mt Chico			WELL No. A-2			WELL NUMBER A-2 Painted Mt K-45			WATER DEPTH		DATE 9/10/30 Yr. Mo. Day		
OPERATOR Chico Resources						CONTRACTOR Drive Well						RIG No. 41	
SIGNATURE OF OPERATOR'S REPRESENTATIVE 						SIGNATURE OF CONTRACTOR'S RIG MANAGER 							
D.P. SIZE		g/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER			TYPE	STROKE LENGTH	
8.9		177	E	10.6	IF	321	1	CP			700	23	
							2	A. Well			610	152	

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H/S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION									WIRE LINE RECORD		
									REEL No.		
OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SKIPPED
177-8	162	W-8				27-56	6-35	2856	1 1/2	8	10-74
									METRES CUT OFF	6-7	PRESENT LENGTH
									MEGAJOULES SINCE LAST CUT	1343	
									CUMULATIVE MEGAJOULES	32305	

METRES DRILLED		DR. D. RM. P. CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
						REDUCED PUMP						

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	5.1								

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
06:10	03:10	3:00	21	Break & Lay down BHA #5	
03:20	06:20	3:00	31	RIH BHA #6 on collars & drill pipe	
06:30	07:15	45	7	Stop & eat	
07:15	12:00	4 3/4	6	RIH BHA #6	
		12			

METRES DRILLED		DR: D RM R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
3057	3075.11				60	900	7500	140	80			SGL S PARCEL R COM'D O
						REDUCED PUMP SPEED	350	140	40			

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

[illegible]

12:00	13:45	13A	6	R.H. BHA#6
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OFFICIAL DAILY DRILLING REPORT FORM

OFFICIAL BAREFOOT DRILLING REPORT FORM

TIME DISTRIBUTION - HOURS

CODE No.	OPERATION	FIRST TOUR	SECOND TOUR
1	RIG UP AND TEAR DOWN		
2	DRILL ACTUAL		10.25
3	REAMING		
4	CORING		
5	CONDITION MUD & CIRCULATE		
6	TRIPS	4.34	1.75
7	LUBRICATE RIG		
8	REPAIR RIG		
9	CUT OFF DRILLING LINE	7.75	
10	DEVIATION SURVEY		
11	WIRE LINE LOGS		
12	RUNCASING & CEMENT		
13	WAIT ON CEMENT		
14	NIPPLE UP B.O.P		
15	TEST B.O.P	1	
16	DRILL STEM TEST		
17	PLUG BACK		
18	SQUEEZE CEMENT		
19	FISHING		
20	DIR. WORK		
21	3.11.7	6.30	
22		3.15	
23			

No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
	BIT		m	BIT No	6			TIME			
				SIZE	6 1/8			DENSITY kg/m ³			
	STB RMR	OD	m	MFG.	Smith			PRESSURE GRADIENT			
	D C ID	OD	m	TYPE	FSTD			VISCOSITY			
	STB RMR	OD	m	JETS	mm	11	14	PV mPa*s	YP Pa	/	/
	D C ID	OD	m	SER. No	L42210			GEL STR. Pa	/	/	/
	STB RMR	OD	m	DEPTH OUT				WATER LOSS cm ³			
				DEPTH IN	3057			pH			
				TOTAL METRES DRILLED				SOLIDS %			
				TOTAL HRS. RUN							
	STANDS D P		m	COND. 1/8's T/B GAGE				MUD & CHEMICALS ADDED			
	SINGLES	DP	m	FLOW RATE m ³ /min	/	/		TYPE	AMT. kg	TYPE	AMT. kg
	KELLY DOWN		m	PRESSURE DROP kPa							
	TOTAL		m								
(FORCE) WT OF STRING				daN							
REMARKS Held B.O.P. drill / Annular & set 1 HR & both clutches functional (✓) then in position & well shut in 75 secs.											
T											
DRILLER <i>Don Belmont</i>											

COMPLETION	A. PERFORMING		
	B. TBG TRIPS		
	C. TREATING		
	D. SWABBING		
	E. TESTING		
	F. ADDIT'L		
	G.		
TOTALS		12	12
DAY WORK TIME SUMMARY (OFFICE USE ONLY)			
HRS. W/ CONTR. D.P.			
HRS. W/ OPR. D.P.			
HRS. WO/DP			
HRS. STANDBY			
TOTAL DAY WORK			
No. OF DAYS FROM SPUD			
CUMULATIVE ROTATING HRS			
TOTAL MUD COST			

(at end of tour)						MUD RECORD			
BIT #6 .15	m	BIT No.	6			TIME	14:00	14:00	22:00
SUB -50		SIZE	156mm			DENSITY kg/m ³	1115	1015	1015
STB RMR CAT OD .77	m	MFG	Smith			PRESSURE GRADIENT	9.9	9.9	
D.C. ID 2.15	m	TYPE	F57A			VISCOSITY	38	38	40
STB RMR OD	m	JETS mm	11 11 11			PV mPa.s YP Pa	/	/	/
D.C. ID 14830	m	SER. No.	LAD770			GEL STR. Pa	/	/	/
STB RMR OD	m	DEPTH OUT	3075.47			WATER LOSS cm ³	9	8	8
JARS -3.72		DEPTH IN	3057			pH	10	10	10
DC 56.75		TOTAL METRES DRILLED	18			SOLIDS %	.009	.009	
		TOTAL HRS RUN	10.25						
STANDS DP 2850m		COND. 1/8" T/B GAGE				MUD & CHEMICALS ADDED			
SINGLES DP	m	FLOW RATE m ³ /min	/			TYPE	AMT. kg	TYPE	AMT. kg
KELLY DOWN 12.11	m	PRESSURE DROP kPa				FLX 20	1 bag	FLR	2 bags
TOTAL 3075.47m						FLX 20	1 bag	Pig-out	1 bag
(FORCE) WT. OF STRING daN									
REMARKS									
Hold BOP Drill Well Secure 80 sec.									
Have HSS alarm safety meeting. Manifested valves ✓									
Both Chokes ✓. 59,000 ↑ 47,000 ↓									
PUT 11-30036m ³									
DRILLER Alva mel /									

FORM 2T6m  APPROVAL  APPROVED Revised December 1986

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FIRST TOUR

SECOND TOUR

1

No.

REPORT No. 25

REPORT No. 25

LEASE A-2 <i>Quilley Mt. Amoco</i>				WELL No. A-2		WELL NUMBER A-2 <i>Quilley Mt. R-45</i>		WATER DEPTH		DATE 7/16/82 Yr. Mo. Day			
OPERATOR <i>Amoco Resources</i>						CONTRACTOR <i>DRIVE WELLSERVICING</i>						RIG No. 41	
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Bob Flisko</i>						SIGNATURE OF CONTRACTOR'S RIG MANAGER <i>2nd Riser</i>							
D.P. SIZE		kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER			TYPE	STROKE LENGTH	
38.9		1177	E	101/16 in	LF	375	1	UPI			700	203	
							2	Culwell			640	152	

TIME DISTRIBUTION - HOURS				No.	DRILLING ASSEMBLY (at end of tour)		BIT RECORD						MUD RECORD			
CODE No.	OPERATION	FIRST HOUR	SECOND TOUR		BIT		BIT No.					TIME				
1	RIG UP AND TEAR DOWN					.15 m	5	5					DENSITY kg/m ³			
2	DRILL ACTUAL		6			6.33	SIZE	156 mm				PRESSURE GRADIENT				
3	REAMING				STB RMR	OD .73 m	MFG.	Smith				VISCOSITY				
4	CORING				D.C. ID	OD .77 m	TYPE	F57D				GEL STR Pa	/	/	/	
5	CONDITION MUD & CIRCULATE		1		STB RMR	OD 9.54 m	JETS mm	10	10	10	10	PV mPa.s	YP Pa	/	/	/
6	TRIPS	8 1/2	5		D.C. ID	OD 9.48 m	SER. No.	LJ2293				WATER LOSS cm ³				
7	LUBRICATE RIG	25			STB RMR	OD 9.48 m	DEPTH OUT					pH				
8	REPAIR RIG					37.96	DEPTH IN	3013				SOLIDS %				
9	CUT OFF DRILLING LINE	75				3.72	TOTAL METRES DRILLED									
10	DEVIATION SURVEY					430.88	TOTAL HRS RUN									
11	WIPE LINE LOGS				79 STANDS DP	151048 m	COND. T/B's T/B/GAGE					MUD & CHEMICALS ADDED				
12	RUN CASING & CEMENT				SINGLES DP	m	FLOW RATE m ³ /min	/ /				TYPE	AMT. kg	TYPE	AMT. kg	
13	WAIT ON CEMENT				KELLY DOWN	m	PRESSURE DROP kPa									
14	NIPPLE UP B.O.P				TOTAL	1721.52 m										
15	TEST B.O.P				(FORCE) WT OF STRING	31,000 daN										
16	DRILL STEM TEST				REMARKS Function & Remarks 3 sec s. 1 Min. Total (last test)											
17	PLUG BACK				Slip + CUT 12.4 m.											
18	SQUEEZE CEMENT															
19	FISHING															
20	DIR. WORK	2 1/4														
21																

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
23	A. PERF. T.N.	BIT	.15	m	BIT No.	5	TIME		12:00	2300	
	B. TBG TRIPS	SIZE	6.33		SIZE	156mm	DENSITY	kg/m ³	1.0	1010	
	C. TREATING	STB RMR	2.0	OD	MFG.	5mm	PRESSURE GRADIENT				
	D. SWABBING	D.C. ID	.77	OD	TYPE	F570	VISCOSITY		37	37	
	E. TESTING	STB RMR	9.54	OD	JETS	mm	PV mPa.s	YP Pa	/	/	
	F. ADDIT'NL	D.C. ID	9.48	OD	SER. No.	LA293	GEL STR. Pa	/	/	/	
G.	STB RMR	9.48	OD	DEPTH OUT	3032	WATER LOSS cm ³	10.0	10.1	10.1		
TOTALS		4 DC	3796		DEPTH IN	3013	pH	10	10		
DAY WORK TIME SUMMARY (OFFICE USE ONLY)		JARS.	372		TOTAL METRES DRILLED	17	SOLIDS %	2.6			
HRS. W/ CONTR. D.P.		14 DC	132.88		TOTAL HRS. RUN	5.8	MUD & CHEMICALS ADDED				
HRS. W/ OPR. D.P.		79 STANDS DP	150.40	m	COND. 1/8" S T/8" GAGE		TYPE	AMT. kg	TYPE	AMT. kg	
HRS. WO/DP		SINGLES DP		m	FLOW RATE m ³ /min	/					
HRS. STANDBY		KELLY DOWN		m	PRESSURE DROP kPa						
		TOTAL	1721.52	m							
		(FORCE) WT. OF STRING	31,000	daN							
TOTAL DAY WORK		REMARKS ✓ MANIFOLD VALVES. FUNCTION TEST BOTH CHOKES ✓ EMERGENCY KILLS. PIG ✓ RUMPS ✓ FUNCTION TEST PIPE RANGERS. 41 SEC. FUNCTION TEST ANNULAR 8 SEC. TANK VOLUME 17,000. 27. m ³ . 45,000 DA. MUD STOOD ON OP.									
No. OF DAYS FROM SPUD		DRILLER									
CUMULATIVE ROTATING HRS											
TOTAL MUD COST											

E.R.C.B.		O.P.R.		R.M.		R.M.						
(1) Daily Walk Around Inspection		Initial _____		Initial _____		(1) Rig Site Health and Safety Meeting (one meeting/crew/month) Initial _____						
(2) Detailed Inspection-Weekly (using check list)		Initial _____		Initial <u>JB</u>		(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month) Initial <u>JB</u>						
(3) H ₂ S Signs Posted (if required)		Initial _____		Initial <u>JB</u>		(3) Mast Inspected Before Raising or Lowering Initial <u>JB</u>						
LEGAL LAND DESCRIPTION						WIRE LINE RECORD						
						REEL No.						
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED
	117-2	136.2	11-30				28-50	6-55	2528	1 1/2	3	12-4
										METRES CUT OFF	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT		
										CUMULATIVE MEGAJOULES		

[illegible][illegible]

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00:00	00:14	15	9	Slip & cut	
00:15	01:00	45	7	Rig Service	
01:00	06:20	500	6	Cont Pool Flow test conducted/Bent from BHA ²⁵	
06:00	08:30	2 1/2	20	Mk up + R111 BHA ²⁵	
08:30	12:00	3 1/2	6	KIA. Pulse test start ON way in.	
		12			

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS.	PUMP No. 1		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
2013m	3030m	D.				1600	9500	140	80			
						REDUCED PUMP PRESS.	37	110	110			

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
12:00	1700	5	6	CONTINUE TO RUN IN HOLE. Fill PPG EVERY 25 STDS.	
17:00	1800	1	5	BREAK CIRC. ORIENTATE TOOLFACE.	
1800	2300	45	2	DRILL 156mm HOLE - / 10 3030m	
2300	2900	1	2	Survey	
		12			



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OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT REPORT No.

LEASE			WELL No.		WELL NUMBER		WATER DEPTH		DATE		
A2 Bantua Mount L-45 Amoro			A2		A2 Bantua Mount L-45				94 Dec 27		
OPERATOR					CONTRACTOR					Yr. Mo. Day	
Amoro Resources										RIG No.	
										41	
SIGNATURE OF OPERATOR'S REPRESENTATIVE					SIGNATURE OF CONTRACTOR'S RIG MANAGER						
Bob Koko					Luis Bero						
D.P. SIZE	kg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE	STROKE LENGTH	
88.9	1979	E	104mm	IF	372	1	OPI		700	203	
						2	oilwell		640	152	

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	STB RMR	OD	m	MFG.	SIZE	BIT No.	TIME	DENSITY kg/m ³	PRESSURE GRADIENT	VISCOSITY
1	RIG UP AND TEAR DOWN								TD-268	02:00	0:400	06:00	
2	DRILL ACTUAL	2:35	5:34					136mm			1010	1000	1000
3	REAMING	1:15											
4	CORING												
5	CONDITION MUD & CIRCULATE		2:14										
6	TRIPS		3:44										
7	LUBRICATE RIG	2:25											
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													
				(FORCE) WT. OF STRING		50.000	daN						
				REMARKS		56000 DAN ↑ / 03:00, 25.5 Psi							
						46000 DAN ↓							
						Circulation pump in. Rpm 2000/2000 kPa Drilling fluid at 58 strokes							
						(Mud) (Water) (L)							
						DRILLER							

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
COMPLETION	A. PERF. T/N					BIT No.	12 X 8	TIME	10:00		
	B. TBG TRIPS					SIZE	1 1/2" mm	DENSITY	1.010		
	C. TREATING					STB RMR	OD	m	PRESSURE GRADIENT	9.9	
	D. SWABING					D.C. ID	OD	m	VISCOSITY	37	
	E. TESTING					STB RMR	OD	m	PV mPa.s	YP Pa	
	F. ADDIT'L					D.C. ID	OD	m	GEL STR. Pa	1.0/1.5	
G.					STB RMR	OD	m	DEPTH OUT			
TOTALS						DEPTH IN	3665		pH	9.5	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)											
HRS. W/ CONTR. D.P.						TOTAL METRES DRILLED			SOLIDS %		
HRS. W/ OPR. D.P.						TOTAL HRS. RUN					
HRS. WO/ D.P.						STANDS DP	m	COND. 1/8" S T/B GAGE			
HRS. STANDBY						SINGLES DP	m	FLOW RATE m ³ /min			
						KELLY DOWN	m	PRESSURE DROP kPa			
						TOTAL	m				
						(FORCE) WT OF STRING	daN				
TOTAL DAY WORK						REMARKS					
						ADDED 3m ³ of H ₂ O @ 2 minutes/20L					
						TO MUD SYSTEM @ 01:40 AM					
						- 12:00 26.3m ³ - PIT					
						- 13:00 27.3m ³ - PIT					
						- 22:00 25.8m ³ - PIT					
No. OF DAYS FROM SPUD						FUNCTION TEST BOTH CHUCKS					
CUMULATIVE ROTATING HRS						HOLE IN GOOD SHAPE					
TOTAL MUD COST						DRILLER					

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H.S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
										REEL No.		
										SIZE	No. LINES	METRES SLIPPED
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT	178	8	6.1
	177.8	156.2	1080				2856	635	2856	METRES CUT OFF	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT 6375		
										CUMULATIVE MEGAJOULES 25,675		

METRES DRILLED		DR. D RM. R CORE C	CORE No	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	IFORCE/ WT. ON BIT daN	PUMP PRESS	PUMP No. 7		PUMP No		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
9978	3005	D			40	3200	125 psi	140	88			SGL S PAR'EL P COM'D C
						REDUCED PUMP SPEED	350	170	44			

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	2972.78	21.9°	41.5 Hz						

[illegible]

METRES DRILLED		DR. D. RM. R. CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
3005	3013	D		1.15	40	700	2	14	38			1.05
				1.39								
				1.2								
					REDUCED PUMP SPEED			140	44			

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

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
17:45	18:45	5 3/4	2	Continue Drilling Survey Section - 3013.	
18:45	19:45	1	5	CONDITION PAID.	
19:45	20:45	1	6	POOH 15 STDS. PICK UP KEY.	
20:45	21:45	1/2	5	Circ.	
21:45	22:45	1	6	POOH. 15 STDS.	
22:45	23:45	1/2	5	Circ.	
23:45	24:00	3/4	6	POOH. 15 STDS.	
24:00	24:45	1/2	5	Circ.	
24:45	25:45	1	6	POOH 15 STDS. (WET)	
25:45	26:00	1/4	5	Circ.	



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OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT REPORT No.

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial _____	Initial _____	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial _____
(2) Detailed Inspection-Weekly (using check list)	Initial _____	Initial _____	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial _____
(3) H.S Signs Posted (if required)	Initial _____	Initial _____	(3) Mast Inspected Before Raising or Lowering	Initial _____

LEGAL LAND DESCRIPTION										WIRE LINE RECORD			REEL NO.
OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG HD	SET AT	SIZE	No. LINES	METRES SLIPPED		
177.8	150.2	U-80	342			2856	6.35	2856	1 1/8	8			
									METRES CUT OFF	PRESENT LENGTH			
									MEGAJOULES SINCE LAST CUT	5774			
									CUMULATIVE MEGAJOULES	11285			

METRES DRILLED		DR. D RM. R CORE. C	CORE No	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT diaN	PUMP PRESS	PUMP No.		IPUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
77	2478	1			1000	95	140	80				SGL. S PAR'EL-P COM'D-C
					REDUCED PUMP SPEED							

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
01:00	01:45	1.75	2	Cont Drill / SURVEY / DRILL /	
				Drilled from 2914 m TO 2978.2 m (BIT STALLING)	
01:45	02:30	.75	5	CIRCULATE & CONDITION HOLE & MUD (MIX PILL)	
02:30	02:45	.25	5	PUMP PILL & SPOT TO CONDITION MUD IN HIGH TEMP HOLE	
02:45	06:00	3.25	6	Pool w/ BHA pulse test 15 strokes out x 3 flow check	
06:00	07:00	1.00	5	Rig in mud BHA pipe pulling wet / Pick Kelly up Circ.	
07:00	07:15	.25	7	Rig Services / EVACUATION PIPE LINES (CLOSE 3 SEC)	
07:15	12:00	4.75	6	Cont. Pooling - pump every 15 strokes x 2 to cool tool then Pooling to surface.	
		12			

METRES DRILLED		DR. D. RM. R. CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

[illegible]

No.

DAILY DRILLING REPORT REPORT No.

LEASE			WELL No.			WELL NUMBER			WATER DEPTH		DATE		
A2 Pointe-aux-Lacs K-45 Amoco			A2			A2 Pointe-aux-Lacs K-45					7/15/24		
OPERATOR						CONTRACTOR						Yr. Mo. Day	
Amoco Canada						Dove Well Services						RIG No. 41	
SIGNATURE OF OPERATOR'S REPRESENTATIVE						SIGNATURE OF CONTRACTOR'S RIG MANAGER							
D.P. SIZE		kg/m	GRADE	TOOL JOINT	TYPE THREAD	STRING No	PUMP No.	PUMP MANUFACTURER		TYPE		STROKE LENGTH	
889		1979	E	104mm	If	315	1	OPI		700		203	
							2	oilwell		640		132	

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial <u>[Signature]</u>	Initial <u>[Signature]</u>	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial <u>[Signature]</u>
(2) Detailed Inspection-Weekly (using check list)	Initial <u>[Signature]</u>	Initial <u>[Signature]</u>	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial <u>[Signature]</u>
(3) H-S Signs Posted (if required)	Initial <u>[Signature]</u>	Initial <u>[Signature]</u>	(3) Mast Inspected Before Raising or Lowering	Initial <u>[Signature]</u>

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
										REEL No.		
OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No JOINTS	TOTAL LENGTH	RKB TO CSG HD	SET AT	SIZE	No. LINES	METRES SLIPPED	
177.8	156.2	N-80	34.2	N-80		2856	6.35	2856	1 1/8	5		
									METRES CUT OFF	PRESENT LENGTH		
									MEGA JOULES SINCE LAST CUT	3421 3296		
									CUMULATIVE MEGA JOULES	19001		

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	BIT		BIT No.		TIME			
1	RIG UP AND TEAR DOWN			20763	m	156mm		0930	0800	1000	
2	DRILL ACTUAL	8:25	12	STB RMR	OD	m	MFG.	HUGO 163	DENSITY kg/m ³	000	1010
3	REAMING			D.C. ID	OD	m	TYPE	ATS m330	PRESSURE GRADIENT		
4	CORING			STB RMR	OD	m	JETS mm	2979 129	VISCOSITY	32	32
5	CONDITION MUD & CIRCULATE	3:50		D.C. ID	OD	m	SER. No.	L13W5	PV mPa.s	/	/
6	TRIPS	25		STB RMR	OD	m	DEPTH OUT		YP Pa	/	/
7	LUBRICATE RG						DEPTH IN	0914	GEL STR. Pa	/	/
8	REPAIR RIG								WATER LOSS cm ³		
9	CUT OFF DRILLING LIN			142 STANDS	0716-31		TOTAL METRES DRILLED	31	pH	10.5	10.5
10	DEVIATION SURVEY			SINGLES	9.67		TOTAL HRS. RUN	8.25	SOLIDS %		
11	WIRE LINE LOGS			STANDS DP	m		COND. 1/8's T/B/GAGE		MUD & CHEMICALS ADDED		
12	RUN CASING & CEMENT			SINGLES DP	m		FLOW RATE m ³ /min		TYPE	AMT. kg	TYPE
13	WAIT ON CEMENT			KELLY DOWN	9.39	m	PRESSURE DROP kPa				AMT. kg
14	NIPPLE UP B.I.P.			TOTAL	2945	m					
15	TEST B.O.P			(FORCE) WT. OF STRING	50,000	daN					
16	DRILL STEM TEST			REMARKS 47000 Dan Drab / 54000 Dec up ↑							
17	PLUG BACK			Plugs 50000 Dan Drab / 54000 Dec up ↑							
18	SQUEEZE CEMENT			28000 Dan Drab / 54000 Dec up ↑							
19	FISHING										
20	DIR. WORK										
21											
22											

METRES DRILLED		DR. D. M. P. CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 2		PUMP No.		METHOD RUN	
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	SGL S PART L P COM D C	
2941 m	2945 m	DELL SUDE	(31)		0	1100	2300	140	80				S
						REDUCED PUMP SPEED	2000	140	40				

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	2918	22.3	70.5°	2937	24.3	66.6°			
	2927	24.0	70.3°						

[illegible]

COMPLETION		No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
A. PERFECT N		BIT		m	BIT No.	415-1331				TIME	1400	1100	2300
B. TBG RIPS					SIZE	56 mm				DENSITY kg/m ³	1010	1010	1000
C. TREAING		STB RMR	OD	m	MFG	Humbles				PRESSURE GRADIENT			
D. SWAIBING		D.C. ID	OD	m	TYPE	415-1331				VISCOSITY	32	34	35
E. TESTING		STB RMR	OD	m	JETS	mm	17-1/2			PV mPa.s	YP Pa	/	/
F. ADDIT'L		D.C. ID	OD	m	SER. No.	L13W5				GEL STR. Pa	/	/	/
G.		STB RMR	OD	m	DEPTH OUT					WATER LOSS cm ³			
TOTALS					DEPTH IN	2914				pH	10.5	10.5	10.5
DAY WORK TIME SUMMARY (OFFICE USE ONLY)					TOTAL METRES DRILLED	32m				SOLIDS %			
HRS. W/CONTR J.P.					TOTAL HRS. RUN	1825							
HRS. W/OPR. D.I.		144	STANDS DP	3745.86	COND. 1/8's T/B GAGE					MUD & CHEMICALS ADDED			
HRS. WO/DP		2	SINGLES DP	2937	FLOW RATE m ³ /min	/				TYPE	AMT. kg	TYPE	AMT. kg
HRS. STANDBY			KELLY DOWN	1.5	PRESSURE DROP kPa	/				20F ELA	2555	FLOPLEX	45AC
			TOTAL	3977						FLOPLEX	45AS	FARXL	25AC
			(FORCE) WT. OF STRING	50,000	daN					20BOND 15x			
			REMARKS	270m @ 15.15 PVT 4/30/01 XIPIN 110X??									
			TOTAL DAY WORK	42									
			No. OF DAYS FROM SPUD	55,000 DAN 4									
			CUMULATIVE ROTATING HRS	47,000 DAN 4									
			TOTAL MUD COST	FUNCTION REMOTE CHOKES (2) ✓									

METRES DRILLED		DRI. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
9445	9477	DE	32m		SLIDE 700	7m	140	80				S
				4000 FT LBS TORQUE WHILE ROTARY	ROTARY 900	9m	140	80				
					REDUCED CHUCK PRESS	11m	140	70				

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION
	2946	24.0	61.5°	29.66	23.2	50.3°			
2954	23.3	56.4°	29.76	22.7	46°				

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
12.00	24.00	12	2	Dr. H 10.25 / Surgery, 1.75	0.11-1.75 / 277.7



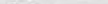
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OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT REPORT No.

E.R.C.B.	OPR.	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial 	Initial 	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)	Initial 
(2) Detailed Inspection-Weekly (using check list)	Initial 	Initial 	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)	Initial 
(3) H ₂ S Signs Posted (if required)	Initial 	Initial 	(3) Mast Inspected Before Raising or Lowering	Initial 

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
										REEL No.		
OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	R&B TO CSG. HD	SET AT	SIZE	No. LINES	METRES SLIPPED	
									1 1/2	2		
									METRES CUT OFF		PRESENT LENGTH	
									67			
									MEGAJOULES SINCE LAST CUT	3245		
									CUMULATIVE MEGAJOULES	15.756		

METRES DRILLED		DR. D RM. R CORE. C	CORE No	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PIUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
	244m											
						REDUCED PUMP SPEED						

VIATION ECOND	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00	02:15	2.25	6	Cont. Moist Sperry BHA #1	
	02:45	.50	6	Collars connect Flow - / Break Bit	
45	03:00	.25	7	Function pipe rams / WCK / closed blind 6 sec. Rig Service	
00	03:45	.75	6	Break & Lay down sperry BHA #1	
45	04:30	2.75	6	picked up BHA #2 Run collars pulse test 12 stand	
00	07:30	1.00	9	Cut & slip - Rig Service @ new change	
30	10:15	2.75	6	Run 100575 / ^{PIPE} (Fill 100575 25 cld / Pulse test 50 cld)	
45				PULSE TEST MWD / NO SIGNALS / CONT. PULSE TEST TO NO	
	12:00	1.75	21	AVAIL. WORK PIPE - MWD NOT WORKING	

[illegible][illegible][illegible]

DAILY DRILLING REPORT **REPORT No.**

LEASE Amoco Point 20 Mat K-43	WELL No.	WELL NUMBER A2 Point 20 Mat K-43	WATER DEPTH Surface	DATE 7/4/83 Yr. Mo. Day
OPERATOR Amoco Resources		CONTRACTOR Drill Well Services		RIG No. 41
SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i>		SIGNATURE OF CONTRACTOR'S RIG MANAGER <i>[Signature]</i>		

D.P. SIZE	H/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER	TYPE	STROKE LENGTH
889	1979	E	104mm	IF	375	1	OPI	700	203
						2	OIL WELL	640	152

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR	STB RMR	OD	BIT No.	SIZE	TIME	DENSITY		
1	RIG UP AND TEAR DOWN					1	6/8	10:00	1000		
2	DRILL ACTUAL		7.25								
3	REAMING										
4	CORING										
5	CONDITION MUD & CIRCULATE		1.00								
6	TRIPS		2.00								
7	LUBRICATE RIG		1.25								
8	REPAIR RIG	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	8.00	1.50								
21											
22											
23											
COMPLETION A. PERF'CT'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/DP HRS. STANDBY TOTAL DAY WORK No. OF DAYS FROM SPUD CUMULATIVE ROTATING HRS TOTAL MUD COST				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD			
				STB RMR	OD	BIT No.	SIZE	TIME	DENSITY		
REMARKS		55,000 daN ↑ 45,000 daN ↓ PUT @ 1600 hrs = 30.0m³ PUT @ 21:00 HRS = 28.6m³									

pressure =

R.M.

- (1) Rig Site Health and Safety Meeting (one meeting/crew/month)
- (2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)
- (3) Mast Inspected Before Raising or Lowering

Initial

Initial

LEGAL LAND DESCRIPTION

WIRE LINE RECORD

REF. No.

LAST CASING TUBING OR LINER	OUTSIDE DIAMETER					INSIDE DIAMETER		MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	WIRE LINE RECORD		REEL NO.	
	SIZE		No. LINES		METRES SLIPPED													
															1 1/8	8		
															METRES CUT OFF		PRESENT LENGTH	
															MEGAJOULES SINCE LAST CUT	13511	2397	2397
															CUMULATIVE MEGAJOULES	13511		

METRES DRILLED		DR. D RM. R CORE. C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
2854	2890											
						REDUCED PUMP SPEED						

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

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

00:00	00:30	1.50	20	ORIENTATE TOOL FACE
00:30	04:30	4.00	8	REPAIR COLLAR CHAIN ON MAIN DRUM (CNC HOLE @ TDC)
04:30	07:00	2.50	20	ORIENTATE TOOL FACE FOR/FR 2862m - 2869. ⁹² m.
07:00	12:00	5.00	20	Drill + Survey to 2890m
		12.00		

METRES DRILLED		DR. D RM H CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) W/T ON BIT daN	PUMP PRESS	PUMP No. 1		PUMP No. 2		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
2890m	2910	SLIDE		TURQUE 3700 Ft. lbs	30	500	6.5 in	140	85			5
2910m	2914			SLIDE W/1000 RPM P. DIFF.	SLIDE	500	6.5 in	140	85			5
						REDUCED PUMP SPEED	5 in	140	92			

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

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				

13:00	16:00	4:00	2	Drill + Survey FR/2890m - 2910m
16:00	17:30	1:30	20	Orienteer test face
17:30				Drill + Survey ROTATE FR/2900m - 2914m / motor
	20:15	3:25	2	STALLING WHILE SLIDE W/ MIN W.O.B / STALLING WHILE ROTATE
20:45	21:45	1:00	5	HOIST CIRC. COLLING AND CIRCULATE & CONDITIONED FLUID
21:45	23:00	1:25	6	HOIST HOIST BHA # 1 (SHELLY) FLOW CONDUCTED
23:00	23:15	.25	7	RIBSLURVICE / FUNCTION PIPE RAMPS (CLOSE 3 SEC) (HARD) (CLOSE 9 SEC)
23:15	24:00	.75	6	CONT. HOIST SPROCKET BHA # 1 FLOW CONDUCTED THROUGH OUT TAP.
			12	



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OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT

REPORT No.

LEASE Amoco Bunkomat K-45	WELL No. A2 Bunkomat K-45	WELL NUMBER A2 Bunkomat K-45	WATER DEPTH Surface	DATE 74 06 22
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OPERATOR Amoco Canada	CONTRACTOR Drillwell Services	RIG No. 41
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SIGNATURE OF OPERATOR'S REPRESENTATIVE 10/19/02	SIGNATURE OF CONTRACTOR'S RIG MANAGER
--	---------------------------------------

D.P. SIZE 889	kg/m 1979	GRADE E	TOOL JT. O.D. 114 mm	TYPE THREAD EIF 375	STRING No. 2	PUMP No. 2	PUMP MANUFACTURER OPI	TYPE oilwell	STROKE LENGTH 700	203
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TIME DISTRIBUTION - HOURS				No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD	
CODE No.	OPERATION	FIRST DUR.	SECOND TOUR	BIT	m	BIT No.		TIME			
1	RIG UP AND TEAR DOWN										
2	DRILL ACTUAL		1.50	STB RMR	OD	m	MFG.		DENSITY kg/m ³		
3	REAMING			D.C. ID	OD	m	TYPE		PRESSURE GRADIENT		
4	CORING			STB RMR	OD	m	JETS mm		VISCOSITY		
5	CONDITION MUD & CIRCULATE		1.50	D.C. ID	OD	m	SER. No.		PV mPa.s	YP Pa	
6	TRIPS	4.50	5.50	STB RMR	OD	m	DEPTH OUT		GEL STR. Pa		
7	LUBRICATE RIG						DEPTH IN		WATER LOSS cm ³		
8	REPAIR RIG						DEPTH IN		pH		
9	CUT OFF DRILLING LINE						TOTAL METRES DRILLED		SOLIDS %		
10	DEVIATION SURVEY						TOTAL HRS. RUN				
11	WIRE LINE LOGS						COND. 1/8" T/B/GAGE				
12	RUN CASING & CEMENT			STANDS D.P.	m				MUD & CHEMICALS ADDED		
13	WAIT ON CEMENT			SINGLES	DP	m	FLOW RATE m ³ /min		TYPE	AMT. kg	
14	NIPPLE UP B.O.P.			KELLY DOWN	m		PRESSURE DROP kPa				
15	TEST B.O.P.	1.50		TOTAL	m						
16	DRILL STEM TEST			(FORCE) WT. OF STRING	daN						
17	PLUG BACK			REMARKS							
18	SQUEEZE CEMENT										
19	FISHING										
20	DIR. WORK	1.00	1.00								
21	DIR. WORK	1.00	1.00								
22	DIR. WORK	1.00	1.00								
23	DIR. WORK	1.00	1.00								

COMPLETION				No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD		MUD RECORD	
A	PERF'TN	B	TBG TRIPS	BIT	m	BIT No.		TIME			
C	TREATING										
D	SWABBING			STB RMR	OD	m	MFG.		DENSITY kg/m ³		
E	TESTING			D.C. ID	OD	m	TYPE		PRESSURE GRADIENT		
F	ADDIT'L			STB RMR	OD	m	JETS mm		VISCOSITY		
G				D.C. ID	OD	m	SER. No.		PV mPa.s	YP Pa	
TOTALS		12	12	STB RMR	OD	m	DEPTH OUT		GEL STR. Pa		
DAY WORK TIME SUMMARY (OFFICE USE ONLY)							DEPTH IN		WATER LOSS cm ³		
HRS. W/CONTR. D.P.							DEPTH IN		pH		
HRS. W/OPR. D.P.							TOTAL METRES DRILLED		SOLIDS %		
HRS. WO/DP							TOTAL HRS. RUN				
HRS. STANDBY							COND. 1/8" T/B/GAGE				
TOTAL DAY WORK											
No. OF DAYS FROM SPUD											
CUMULATIVE ROTATING HRS											
TOTAL MUD COST											

E.R.C.B.

- (1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (using check list)
(3) H/S Signs Posted (if required)

OPR.

Initial
Initial
Initial

R.M.

Initial
Initial
Initial

- (1) Rig Site Health and Safety Meeting (one meeting/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)
(3) Mast Inspected Before Raising or Lowering

R.M.

Initial
Initial
Initial

LEGAL LAND DESCRIPTION

WIRE LINE RECORD

REEL No.

OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG. HD.	SET AT	SIZE	No. LINES	METRES SLIPPED
									1 1/8	8	
LAST CASING TUBING OR LINER									METRES CUT OFF	PRESENT LENGTH	
									MEGAJOULES SINCE LAST CUT	1320.5	
									CUMULATIVE MEGAJOULES	11,44	

METRES DRILLED

FORMATION

(SHOW CORE RECOVERY)

FROM	TO	DR. D. RM. R. CORE. C.	CORE No.	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1	PUMP No. 2	METHOD RUN
							140	16	3
REDUCED PUMP SPEED							140	16	3

DEVIATION RECORD

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			BOILER HOURS		
FROM	TO								
06:00	04:30	1:30	6	Roll window ass 3					
04:30	06:00	1:30	15	Land dogout, bleed Dec. sys. change over & function test					
				Borens + P/rams, H/R + check valves held 25m per day down dogout					
06:00	07:00	1:00	20	Pick up mud motor & tools					
07:00	08:00	1:00	22	make up mmpass & drill mouse hole					
08:00	09:00	1:00	20	make up BHA + pick up 6 DC + 6 stands DC					
				make up BHA + pick up 6 DC + 6 stands DC					

METRES DRILLED

FORMATION

(SHOW CORE RECOVERY)

FROM	TO	DR. D. RM. R. CORE. C.	CORE No.	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No. 1	PUMP No. 2	METHOD RUN
REDUCED PUMP SPEED									

DEVIATION RECORD

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS			BOILER HOURS		
FROM	TO								
12:00	14:30	2:30	21	Continue make up BHA + collars					
14:30	15:00	1:30	5	Pick up Kelly / Fill hole & pulse test					
15:00	16:00	1:00	6	RTH 25 stands (Fill hole every 25') DP					
16:00	17:30	1:30	6	RTH 50 stands total - pulse test & TRIP INTO WINDOW					
17:30	18:30	1:00	20	BR/CIRCUL. L. orient. tool.					
18:30	24:00	1:50	2	DR / RM / 2854 m - 2860.25 (SLIDE)					

FORM 276m

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OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT

REPORT No.

LEASE				WELL No.		WELL NUMBER		WATER DEPTH		DATE	
Amoco A2 Painted metal K-45				A2		A2 Painted metal K-45		Surface		94 06 21 Yr. Mo. Day	
OPERATOR						CONTRACTOR				RIG No.	
Amoco Canada						Drive Well Servicing				41	
SIGNATURE OF OPERATOR'S REPRESENTATIVE						SIGNATURE OF CONTRACTOR'S RIG MANAGER					
<i>[Signature]</i>						<i>[Signature]</i>					
D.P. SIZE		lg/m	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE	STROKE LENGTH
88.9		1979	E	104mm	IF	375	1	OPI		700	203
							2	OIL WELL		640	132

E.R.C.B.		OPR	R.M.		R.M.
(1) Daily Walk Around Inspection	Initial		Initial		(1) Rig Site Health and Safety Meeting (one meeting/crew/month)
(2) Detailed Inspection-Weekly (using check list)	Initial		Initial		(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)
(3) H ₂ S Signs Posted (if required)	Initial		Initial		(3) Mast Inspected Before Raising or Lowering

LEGAL LAND DESCRIPTION										WIRE LINE RECORD		
										REEL No.		
										SIZE	No. LINES	METRES SLIPPED
LAST USING BIBING LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB TO CSG. HD.	SET AT	178	3	
										METRES CUT OFF	PRESENT LENGTH	
										MEGAJOULES SINCE LAST CUT	4556	
										CUMULATIVE MEGAJOULES	8044.5	

TIME DISTRIBUTION - HOURS				No. DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR			BIT No.				TIME			
1	RIG UP AND TEAR DOWN					WINDOW DRILL	45	m					
2	DRILL ACTUAL					1.2	1.2						
3	REAMING					STB RMR	OD	-36	m	MFG.		PRESSURE GRADIENT	
4	CORING					D.C. ID	OD	9.71	m	TYPE		VISCOSITY	
5	CONDITION MUD & CIRCULATE					STB RMR	OD		m	JETS mm		PV mPa.s	YP Pa
6	TRIPS					D.C. ID	OD	114.04	m	SER. No.	C-1622	GEL STR. Pa	
7	LUBRICATE RIG					STB RMR	OD		m	DEPTH OUT		WATER LOSS cm ³	
8	REPAIR RIG									DEPTH IN		pH	
9	CUT OFF DRILLING LINE									TOTAL METRES DRILLED		SOLIDS %	
10	DEVIATION SURVEY									TOTAL HRS. RUN			
11	WIRE LINE LOGS					STANDS DP		m	COND. 1/8's T/B/GAGE			MUD & CHEMICALS ADDED	
12	RUN CASING & CEMENT					SINGLES DP		m	FLOW RATE m ³ /min			TYPE	AMT. kg
13	WAIT ON CEMENT					KELLY DOWN		m	PRESSURE DROP kPa				
14	NIPPLE UP B.O.P.					TOTAL		m					
15	TEST B.O.P.					(FORCE) WT. OF STRING		daN					
16	DRILL STEM TEST					REMARKS							
17	PLUG BACK												
18	SQUEEZE CEMENT												
19	FISHING												
20	DIR. WORK												
21	WINDOW DRILL												

[illegible]

VIATION RECORD	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION	DEPTH	DEV.	DIRECTION

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
00	01:30	1.50	21	Cont. Dress window / hood	
20				Hoist window Dress Ass. #2 / Flow ✓	
	5.45	4.25	6	Put to rollers No flow ✓	
45	06:00	.25	23	Break B.H.H. Appr / make new gas amp	
00	06:15	.25	7	Run Service Function Pp 4 blind from 2 Sec	
15	07:00	.75	6	R3 w. with new assembly, press out at 0.25 inch	
30	08:30	1.00	6	RHA 38 stands (including rollers)	
00	08:15	.75	7	High pressure check hydro-metric / conversion (HCR #4 3 sec)	
15	09:00	1.00	6	Bld 50 loads (Pilot) safety machine, 51.9 gwt (7 m. DR line)	
45	10:45	5.05	22	Big cross orientation at HCR, check times + material	
45	12:00	1.00	22	HCR Pp 111 instructions / know for service times in period (7 sec)	

COMPLETION		DRILLING ASSEMBLY (at end of tour)				BIT RECORD				MUD RECORD			
23	A. PERF'T'N					BIT		m	BIT No.			TIME	
	B. TBG TRIPS								SIZE			DENSITY kg/m ³	
	C. TREATING					STB RMR	OD	m	MFG			PRESSURE GRADIENT	
	D. SWABBING					D.C. ID	OD	m	TYPE			VISCOSITY	
	E. TESTING					STB RMR	OD	m	JETS	mm		PV mPa.s	YP Pa
	F. ADDIT'L					D.C. ID	OD	m	SER. No.			GEL STR. Pa	
	G.					STB RMR	OD	m	DEPTH OUT			WATER LOSS cm ³	
TOTALS		12	12						DEPTH IN			pH	
DAY WORK TIME SUMMARY (OFFICE USE ONLY)													
HRS. W/CONTR. D.P.						TOTAL METRES DRILLED						SOLIDS %	
HRS. W/OPR. D.P.						TOTAL HRS. RUN							
HRS. WO/DP						112 STANDS DP	3717.85	m	COND. 1/8's T/B/GAGE			MUD & CHEMICALS ADDED	
HRS. STANDBY						SINGLES	DP	m	FLOW RATE m ³ /min			TYPE	AMT. kg
						KELLY DOWN	9.24	m	PRESSURE DROP kPa			TYPE	AMT. kg
						TOTAL	3844.03	m					
						(FORCE) WT. OF STRING	145,000	daN					
TOTAL DAY WORK						REMARKS							
No. OF DAYS FROM SPUD													
CUMULATIVE ROTATING HRS													
TOTAL MUD COST													

METRES DRILLED		D RM R CORE C	CORE No.	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT. ON BIT daN	PUMP PRESS	PUMP No.		PUMP No.		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
				POLISH & DRESS WINDOW	400	200	350	140	70			SGL S PAR'EL P COM'D C
						REDUCED PUMP SPEED	100	140-35				

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
10	15:15	3:25	6	Cont. work on window assembly & try	
15	18:45	3:50	21	Polish & dress window	
45				Man up pit. Re-start pump around	
				Work on window assembly	
	20:45	2:00	5	Work on window assembly 11 mpa is min load	DO PRESSURE TEST ON
45	24:00	3:25	6	Hoist window into place. 3 flow ✓ CALIBER CONNECTIONS ON WAY OUT.	
		12			



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Revised December 1985

OFFICIAL DAILY DRILLING REPORT FORM

No.

DAILY DRILLING REPORT REPORT No.

LEASE				WELL No.		WELL NUMBER		WATER DEPTH		DATE	
Amoco #2 Boring mat 6-45				A 2		A2 Boring mat 6-45		surface		94 06 20 Yr. Mo. Day	
OPERATOR						CONTRACTOR					
Amoco Canada						Drill Well Servicing					
SIGNATURE OF OPERATOR'S REPRESENTATIVE						SIGNATURE OF CONTRACTOR'S RIG MANAGER					
10/4/01						[Signature]					
D.P. SIZE	kg/n	GRADE	TOOL JT O.D.	TYPE THREAD	STRING No.	PUMP No.	PUMP MANUFACTURER		TYPE	STROKE LENGTH	
89 9	19 79	E	104 mm	3/2 IF	375	1	OPI		700	203	
						2	OIL Well		140	152	

TIME DISTRIBUTION - HOURS				No.		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD				
CODE No.	OPERATION	FIRST TOUR	SECOND TOUR			BIT	m	BIT No.				TIME				
1	RIG UP AND TEAR DOWN							SIZE				DENSITY kg/m ³				
2	DRILL ACTUAL					STB RMR	OD	m	MFG			PRESSURE GRADIENT				
3	REAMING					D C ID	OD	m	TYPE			VISCOSITY				
5	CONDITION MUD & CIRCULATE					STB RMR	OD	m	JETS mm			PV mPa*s	YP Pa	/	/	/
6	TRIPS					D C ID	OD	m	SER. No.			GEL STR Pa	/	/	/	/
7	LUBRICATE RIG					STB RMR	OD	m	DEPTH OUT			WATER LOSS cm ³				
8	REPAIR RIG								DEPTH IN			pH				
9	CUT OFF DRILLING LINE								TOTAL METRES DRILLED			SOLIDS %				
10	DEVIATION SURVEY								TOTAL HRS RUN							
11	WIRE LINE LOGS					STANDS DP		m	COND 1/8's T/B GAGE			MUD & CHEMICALS ADDED				
12	RUN CASING & CEMENT					SINGLES DP		m	FLOW RATE m ³ /min	/	/	TYPE	AMT. kg	TYPE	AMT. kg	
13	WAIT ON CEMENT					KELLY DOWN		m	PRESSURE DROP kPa							
14	NIPPLE UP B.O.P.					TOTAL		m								
15	TEST B.O.P.					(FORCE) WT. OF STRING		daN								
16	DRILL STEM TEST					REMARKS										
17	PLUG BACK					ACCIDENT OCCURRED WHILE SLIP & CUT WAS IN PROCESS / REMAINS FILLED ? INCIDENT HANDLED CAREFULLY										
18	SQUEEZE CEMENT															
19	FISHING															
20	DIR. WORK															
21	AS FISHES															

FIRST TOUR

DRILLER

COMPLETION		DRILLING ASSEMBLY (at end of tour)		BIT RECORD				MUD RECORD			
23	A. PERF'RT'N	STB	OD	BIT No.				TIME			
	B. TBG TRIPS	RMR	OD	SIZE				DENSITY kg/m ³			
	C. TREATING	STB	OD	MFG.				PRESSURE GRADIENT			
	D. SWABBING	D.C.	OD	TYPE				VISCOSITY			
	E. TESTING	STB	OD	JETS	mm			PV mPa*s	YP Pa	/	/
	F. ADDIT'N'L	D.C.	OD	SER. No.				GEL STR. Pa	/	/	/
G.	STB	OD	DEPTH OUT				WATER LOSS cm ³				
TOTALS				DEPTH IN				pH			
DAY WORK TIMESUMMARY (OFFICE USE ONLY)				TOTAL METRES DRILLED				SOLIDS %			
HRS. W/CONTR. D.P.				TOTAL HRS. RUN				MUD & CHEMICALS ADDED			
HRS. WO/DP		STANDS DP	DP	COND. 1/8"s T/8" GAGE				TYPE	AMT. kg	TYPE	AMT. kg
HRS. STANDBY		SINGLES	DP	FLOW RATE m ³ /min							
		KELLY DOWN	DP	PRESSURE DROP kPa							
		TOTAL	DP								
		(FORCE) WT. OF STRING	daN								
TOTAL DAY WORK		REMARKS									
No. OF DAYS FROM SPUD											
CUMULATIVE ROTATING HRS											
TOTAL MUD COST											

E.R.C.B.		OPR.		R.M.								
(1) Daily Walk Around Inspection		Initial <u>ME</u>	Initial <u>ME</u>	(1) Rig Site Health and Safety Meeting (one meeting/crew/month)								
(2) Detailed Inspection-Weekly (using check list)		Initial <u>ME</u>	Initial <u>ME</u>	(2) C.A.O.D.C. Rig Safety Inspection Check List (one/rig/month)								
(3) H/S Signs Posted (if required)		Initial <u>ME</u>	Initial <u>ME</u>	(3) Mast Inspected Before Raising or Lowering								
LEGAL LAND DESCRIPTION				WIRE LINE RECORD								
Amoco A2 Penetration mat 2x45				REEL No.								
LAST CASING TUBING OR LINER	OUTSIDE DIAMETER	INSIDE DIAMETER	MAKE	kg/m	GRADE	No. JOINTS	TOTAL LENGTH	RKB. TO CSG HD	SET AT	SIZE	No. LINES	METRES SLIPPED
	177.3									178	8	
										METRES CUT OFF	6.7	PRESENT LENGTH
										MEGAJOULES SINCE LAST CUT	2149	1060.3 m
										CUMULATIVE MEGAJOULES		

[illegible]

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

TIME LOG		ELAPSED TIME	CODE No.	DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS	BOILER HOURS
FROM	TO				
11:45	12:00	15	1	Run 2nd shift line	
12:00	12:15	15	2	Run Service Function monitor 4th shift	
12:15	12:30	15	3	Check CMA #1 & CMA #2 at 12:30	
12:30	12:45	15	4	Run 2nd shift line @ 12:45	
12:45	1:00	15	5	Check 2nd shift	
1:00	1:15	15	6	Flow & thrust monitor at 1:15	
1:15	1:30	15	7	Run Service Function monitor 3rd shift	
1:30	1:45	15	8	Run 2nd shift line	
1:45	2:00	15	9	Flow & thrust monitor at 2:00	
2:00	2:15	15	10	Run Service Function monitor 4th shift	
2:15	2:30	15	11	Run 2nd shift line	
2:30	2:45	15	12	Flow & thrust monitor at 2:45	
2:45	3:00	15	13	Run Service Function monitor 3rd shift	
3:00	3:15	15	14	Run 2nd shift line	
3:15	3:30	15	15	Flow & thrust monitor at 3:30	
3:30	3:45	15	16	Run Service Function monitor 4th shift	
3:45	4:00	15	17	Run 2nd shift line	
4:00	4:15	15	18	Flow & thrust monitor at 4:15	
4:15	4:30	15	19	Run Service Function monitor 3rd shift	
4:30	4:45	15	20	Run 2nd shift line	
4:45	5:00	15	21	Flow & thrust monitor at 5:00	
5:00	5:15	15	22	Run Service Function monitor 4th shift	
5:15	5:30	15	23	Run 2nd shift line	
5:30	5:45	15	24	Flow & thrust monitor at 5:45	
5:45	6:00	15	25	Run Service Function monitor 3rd shift	
6:00	6:15	15	26	Run 2nd shift line	
6:15	6:30	15	27	Flow & thrust monitor at 6:30	
6:30	6:45	15	28	Run Service Function monitor 4th shift	
6:45	7:00	15	29	Run 2nd shift line	
7:00	7:15	15	30	Flow & thrust monitor at 7:15	
7:15	7:30	15	31	Run Service Function monitor 3rd shift	
7:30	7:45	15	32	Run 2nd shift line	
7:45	8:00	15	33	Flow & thrust monitor at 8:00	
8:00	8:15	15	34	Run Service Function monitor 4th shift	
8:15	8:30	15	35	Run 2nd shift line	
8:30	8:45	15	36	Flow & thrust monitor at 8:45	
8:45	9:00	15	37	Run Service Function monitor 3rd shift	
9:00	9:15	15	38	Run 2nd shift line	
9:15	9:30	15	39	Flow & thrust monitor at 9:30	
9:30	9:45	15	40	Run Service Function monitor 4th shift	
9:45	10:00	15	41	Run 2nd shift line	
10:00	10:15	15	42	Flow & thrust monitor at 10:15	
10:15	10:30	15	43	Run Service Function monitor 3rd shift	
10:30	10:45	15	44	Run 2nd shift line	
10:45	11:00	15	45	Flow & thrust monitor at 11:00	
11:00	11:15	15	46	Run Service Function monitor 4th shift	
11:15	11:30	15	47	Run 2nd shift line	
11:30	11:45	15	48	Flow & thrust monitor at 11:45	
11:45	12:00	15	49	Run Service Function monitor 3rd shift	
12:00	12:15	15	50	Run 2nd shift line	
12:15	12:30	15	51	Flow & thrust monitor at 12:30	
12:30	12:45	15	52	Run Service Function monitor 4th shift	
12:45	1:00	15	53	Run 2nd shift line	
1:00	1:15	15	54	Flow & thrust monitor at 1:15	
1:15	1:30	15	55	Run Service Function monitor 3rd shift	
1:30	1:45	15	56	Run 2nd shift line	
1:45	2:00	15	57	Flow & thrust monitor at 2:00	
2:00	2:15	15	58	Run Service Function monitor 4th shift	
2:15	2:30	15	59	Run 2nd shift line	
2:30	2:45	15	60	Flow & thrust monitor at 2:45	
2:45	3:00	15	61	Run Service Function monitor 3rd shift	
3:00	3:15	15	62	Run 2nd shift line	
3:15	3:30	15	63	Flow & thrust monitor at 3:30	

METRES DRILLED		DR D RM R CORE C	CORE No	FORMATION (SHOW CORE RECOVERY)	ROTARY RPM	(FORCE) WT ON BIT daN	PUMP PRESS	PUMP No		PUMP No		METHOD RUN
FROM	TO							LINER SIZE	STROKES per min	LINER SIZE	STROKES per min	
												SGL S PAR'EL P COM'D C
						REDUCED PUMP SPEED						

DEVIATION RECORD	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION	DEPTH	DEV	DIRECTION

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