FOLD HERE →

072264

LICENCE NO.: WID 187
WELL NAME AND NO.: PARAMOUNT ET AL BOUIE C 764
OPERATOR: PARAMOUNT
CONTRACTOR: PRECISION DRILLING
SURFACE LOCATION: LAT 60° 20' LONG 122° 45'
UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS (OPR. / R.M.)
(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (using checklist)
(3) H²S Signs Posted (if required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually inspect BOP's - Flawless & Degasser Lines
(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills checked

YEAR: 91 MONTH: 01 DAY: 12
RIG NO.: 507
FUEL @ 8:00
RIG / BOILER

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
MORN.																									
DAY																									
EVE.																									
TOTAL																									

TOTALS

SHALE SHAKER(S): NO. 1 TYPE BRANCO; SCREENS CHANGED ☐ YES ☐ NO; TOP / TOP; MIDDLE / MIDDLE; BOTTOM / BOTTOM

RENTALS/SERVICES

	MORN	DAY	EVE
MJ TOTAL			
MJ ACCUM			
LENGTH 1355m			

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO. / SIZE (mm) / IADC CODE / MFG. / TYPE / SERIAL NO. / JETS (mm) / DEPTH OUT (m) / DEPTH IN (m) / TOTAL METRES DRILLED (m) / TOTAL HOURS RUN

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG / TORQUE AT BOTTOM / FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME / DENSITY kg/m³ / FUNNEL VIS. - (S/L) / W.L. (cm³) / pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

MORNING TOUR

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa) | PUMP NO. 1: LINER SIZE (mm), S.P.M. | PUMP NO. 2: LINER SIZE (mm), S.P.M.

REDUCED PUMP SPEED: @ / @

DEVIATION SURVEY: DEPTH (m) | DEVIATION (°) | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0700	1500	8	1	RIG OUT CAMP

NOTES

BOILER: HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

DAY TOUR

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa) | PUMP NO. 1: LINER SIZE (mm), S.P.M. | PUMP NO. 2: LINER SIZE (mm), S.P.M.

REDUCED PUMP SPEED: @ / @

DEVIATION SURVEY: DEPTH (m) | DEVIATION (°) | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0700	1900	12	1	RIG OUT WITH TRUCKS

NOTES

BOILER: HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

EVENING TOUR

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa) | PUMP NO. 1: LINER SIZE (mm), S.P.M. | PUMP NO. 2: LINER SIZE (mm), S.P.M.

REDUCED PUMP SPEED: @ / @

DEVIATION SURVEY: DEPTH (m) | DEVIATION (°) | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	2000	4	1	RIG OUT WITH TRUCKS

NOTES

BOILER: HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

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072263

LICENCE NO.:	WELL NAME AND NO.:
WID 187	PARAMOUNT ET AL BOUZE C 76A
OPERATOR:	**CONTRACTOR:**
PARAMOUNT	**PRECISION DRILLING**
SURFACE LOCATION:	**UNIQUE ID.:**
LAT 60° 20' LONG 122° 45'	
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	**SIGNATURE OF CONTRACTOR'S RIG MANAGER:**

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial W
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR	MONTH	DAY
92	01	11

RIG NO. 507

FUEL @ 8:00

RIG | BOILER

WEATHER

TEMPERATURE °C	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
MORN.	8																								
DAY	8																								
EVE.	4																								
TOTAL	20																								

TOTALS

8	
8	
4	
20	

SHALE SHAKER(S)

NO. 1 TYPE SWACO

SCREENS CHANGED ☐ YES ☐ NO

TOP	TOP
MIDDLE	MIDDLE
BOTTOM	BOTTOM

RENTALS/SERVICES

	MORN.	DAY	EVE.
MT TOTAL			
MT ACCUM			
LENGTH 1355m			

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'G RM'R CORE'C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0800	8	1	RIG OUT W/MEN

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10				

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'G RM'R CORE'C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1600	8	1	RIG OUT W/MEN
				MAST INSPECTED PRIOR TO LOWERING
				DERRICK WAS @ 10:30
				CUT OFF 41m DRILLING LINE

NOTES BOILER SHUTDOWN AT 12:30 hr

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
4					

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'G RM'R CORE'C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	2000	4	1	RIG OUT W/MEN

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC

1850

Jan 11-12/99

FOLD HERE →

072265

LICENCE NO.:	WELL NAME AND NO.:
WID-987	PARAMOUNT et al BOUIE C-76A
OPERATOR: PARAMOUNT	CONTRACTOR: **PRECISION DRILLING**
SURFACE LOCATION: LAT 65° 20' LONG 122° 45'	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR	MONTH	DAY
97	01	13

RIG NO. 507

FUEL @ 8:00

RIG | BOILER

WEATHER

TEMPERATURE °C	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1 OPER	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
	MORN.																								
	DAY																								
	EVE.																								
	TOTAL																								

TOTALS

SHALE SHAKER(S)

NO. | TYPE

SCREENS CHANGED ☐ YES ☐ NO

TOP	TOP
MIDDLE	MIDDLE
BOTTOM	BOTTOM

RENTALS/SERVICES

	MORN	DAY	EVE

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

MORNING TOUR

METRES DRILLED

FROM	TO	DR'D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

DAY-OUR

METRES DRILLED

FROM	TO	DR'D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.
0800	2000	12	1

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

RIG OUT WITH TRUCKS AT OLD LOCATION C-76A

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

DAY-OUR

METRES DRILLED

FROM	TO	DR'D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

1850

Jan 11-13/99

FOLD HERE →

072262

LICENCE NO.: WID 187 | WELL NAME AND NO.: PARAMOUNT ET AL BOUIE C 76A

OPERATOR: PARAMOUNT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 60° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) HPS Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR: 91 | MONTH: 01 | DAY: 10

RIG NO.: 507

FUEL @ 8:00

RIG | BOILER

WEATHER: TEMPERATURE °C | CURRENT CONDITIONS | WIND DIRECTION | ROAD

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
	MORN.														1½									CLEAN UTILITIES 6½	
	DAY	3																						5	
	EVE.	8																							
	TOTAL	11													1½									11½	

TOTALS

MORN.	8
DAY	8
EVE.	8
TOTAL	24

SHALE SHAKER(S)

NO. 1 | TYPE SWACO

SCREENS CHANGED ☐ YES ☐ NO

TOP	TOP
MIDDLE	MIDDLE
BOTTOM	BOTTOM

RENTALS/SERVICES

	MORN.	DAY	EVE.
MJ TOTAL	7961		
MJ ACCUM	195480		
LENGTH	1896.03		
	7911		

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH m
	D.P.	STANDS	
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO. | SIZE (mm) | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS (mm) | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METRES DRILLED (m) | TOTAL HOURS RUN

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114		114	

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0130	1½	14	RIG OUT CHOKE LINES & DEGASSER LINES
0130	0800	6½	25	CLEAN MUD TANKS (LOTS OF HEAVY SAND)

NOTES: BOILER BLOWN !

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH m
	D.P.	STANDS	
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO. | SIZE (mm) | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS (mm) | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METRES DRILLED (m) | TOTAL HOURS RUN

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114		114	

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1300	5	25	CLEAN MUD TANKS
1300	1600	3	1	RIG-OUT W/ MEN & ROTARY TOOLS, PREPARE

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10				

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH m
	D.P.	STANDS	
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO. | SIZE (mm) | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS (mm) | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METRES DRILLED (m) | TOTAL HOURS RUN

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	2400	8	1	RIG OUT W/ MEN

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

EVENING TOUR

1850

Jan. 23/99

FOLD HERE →

072261

LICENCE NO.: WID 187

WELL NAME AND NO.: PARAMOUNT ET AL BOVIE C76A

OPERATOR: PARAMOUNT

CONTRACTOR: **PRECISION DRILLING**

SURFACE LOCATION: LAT 60° 20' LONG 122° 45'

UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial PM
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)	Initial	
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)	Initial	
(3) Mast Inspection Before Raising or Lowering	Initial	
(4) Crown Saver Checked	Initial	
(5) Motor Kills checked	Initial	

YEAR 99 MONTH 01 DAY 09

RIG NO. 507

FUEL @ 8:00

RIG | BOILER

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

WEATHER

	°C
TEMPERATURE	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.06	E	65	120.6	IF	218	A600PT	OILWELL	203
89	23.06	X95	65	123.8	IF	105	A600PT	OILWELL	203
89	35.5	E	67	120.3	IF	50			

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23 LAY-DOWN TOOLS	24 ENTER & R. B.O.P.	25 BREAK KELLY	26 CLEAN TANKS
	MORN.						7	1/4																	3/4	
	DAY														3								1	4		
	EVE.														7											1
	TOTAL						7	1/4							10								1	4	3/4	1

TOTALS

1	
8	
8	
8	
24	

SHALE SHAKER(S)

NO. 1 TYPE SWACO

SCREENS CHANGED ☐ YES ☐ NO

TOP | TOP

MIDDLE | MIDDLE

BOTTOM | BOTTOM

RENTALS/SERVICES

	MORN	DAY	EVE
MJ TOTAL	79601		
MJ ACCUM	195488		
LENGTH			
11720 Fuel			

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC | 1000 daN

WT. OF STRING | 1000 daN

BIT RECORD

BIT NO.

SIZE (mm)

IADC CODE

MFG.

TYPE

SERIAL NO.

JETS (mm)

DEPTH OUT (m)

DEPTH IN (m)

TOTAL METRES DRILLED (m)

TOTAL HOURS RUN

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME

DENSITY kg/m³

FUNNEL VIS. - (S/L)

W.L. (cm³)

pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114		114	

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0435	4 1/4	6	L/D D.P. FLOWN @ 2394m (5 stds), 1658m (x95)
0435	0500	3/4	21	BRK KELLY - REMOVE HOSE, KELLY SPINNER + BUSHINGS
0500	0515	1/4	7	RIG SERVICE
0515	0800	2 3/4	6	L/D D.P.

NOTES BOILER BLOWN 1 TUBE

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8			43000	NONE	19899 kN

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC | 1000 daN

WT. OF STRING | 1000 daN

BIT RECORD

BIT NO.

SIZE (mm)

IADC CODE

MFG.

TYPE

SERIAL NO.

JETS (mm)

DEPTH OUT (m)

DEPTH IN (m)

TOTAL METRES DRILLED (m)

TOTAL HOURS RUN

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME

DENSITY kg/m³

FUNNEL VIS. - (S/L)

W.L. (cm³)

pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	0900	1	22	RIG-OUT LAY-DOWN & CARDIUM TOOLS
0900	0600	4	23	RIG-OUT LATEST & R. B.O.P.
1300	1600	3	14	NIPPLE DOWN B.O.P.

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC | 1000 daN

WT. OF STRING | 1000 daN

BIT RECORD

BIT NO.

SIZE (mm)

IADC CODE

MFG.

TYPE

SERIAL NO.

JETS (mm)

DEPTH OUT (m)

DEPTH IN (m)

TOTAL METRES DRILLED (m)

TOTAL HOURS RUN

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME

DENSITY kg/m³

FUNNEL VIS. - (S/L)

W.L. (cm³)

pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1900	3	14	NIPPLE DOWN B.O.P.
1900	2300	4	14	P/U WELL HEAD & INSTALL SAME
2300	2400	1	25	CLEAN MUD TANKS - RIG OUT CHOKE LINES & DEGASSER LINES

NOTES * CASING STICKUP WAS RE FACED & BEVELLED BEFORE INSTALLING WELLHEAD

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

FOLD HERE →

072260

LICENCE NO.: WID 187
WELL NAME AND NO.: PARAMOUNT ET AL BOUIE C 76 A
OPERATOR: PARAMOUNT
CONTRACTOR: PRECISION DRILLING
SURFACE LOCATION: LAT 60° 20' LONG 122° 45'
UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS — OPR. / R.M.

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial RM
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)	Initial	
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)	Initial	
(3) Mast Inspection Before Raising or Lowering	Initial	
(4) Crown Saver Checked	Initial	
(5) Motor Kills checked	Initial	

YEAR 99 MONTH 01 DAY 08
RIG NO. 507
FUEL @ 8:00
RIG | BOILER

WEATHER
TEMPERATURE -27 °C
CURRENT CONDITIONS
WIND DIRECTION
ROAD Good

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.06	E	65	120.6	IF	218	A 600PT	OILWELL	203
89	23.06	X95	65	123.8	IF	105	A 600PT	OILWELL	203
89	35.5	E	67	120.3	IF	50			

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23 POWER TONGS R. BOP	24 DISPLACE	25 HANDLE	26
	MORN.						3½	¼					4									¼	¼			
	DAY					1	5¾						3¼									¼		¼		
	EVE.					13¼		¼					1¼									¼			1.0		
	TOTAL					23¼		½					6									½	¼	¼	1.0		

TOTALS

	8
	8

SHALE SHAKER(S)
NO. 1 TYPE SWACO
SCREENS CHANGED ☐ YES ☐ NO
TOP / TOP
MIDDLE / MIDDLE
BOTTOM / BOTTOM

RENTALS/SERVICES — MORN | DAY | EVE
MI TOTAL 6568
MI ACCUM 1914095
LENGTH 1396.03
FUEL 12292 l

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED
TIME
DENSITY kg/m³
FUNNEL VIS. - (S/L)
W.L. (cm³)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
Barite	15

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)

PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
114		114	

REDUCED PUMP SPEED @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

MORNING TOUR

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0400	4.0	12	RUN PACKER - LINER & HANGER
0400	0415	¼	22	RIG OUT POWER TONGS & L/D POST
0415	0430	¼	7	RIG SERVICE
0430	0800	3½	6	TRIP IN SLOWLY WITH LINER - DOUBLE STRAP IN FILL PIPE EVERY 10 STDS

NOTES: HELD SAFETY MEETING PRIOR TO USING DRIFT (TO BE DROPPED FROM MONKEY BOARD DOWN EACH STAND D.P.

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10				

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME
DENSITY kg/m³
FUNNEL VIS. - (S/L)
W.L. (cm³)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)

PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

DAY TOUR

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	0815	¼	21	SAFETY MEETING W/CARDIUM REP
0815	1400	5¾	6	TRIP IN. - SLOWLY
1400	1415	¼	23	PULL OUT SLIPS & INSTALL R. BOP
1415			12	P/U PUP JOINTS & ESTABLISH LANDING
	1500	¾		HEIGHT = 1 m STICK UP
1500	1600	1	5	P/U KELLY & CIRC THROUGH SHOE
				SHOE DEPTH @ 2902.13 m K.B.
				TOP OF LINER @ 2536.01 m

NOTES: HELD SAFETY MEETING ABOUT DRILLING D.P. OUT THE REAR

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10				19899

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME
DENSITY kg/m³
FUNNEL VIS. - (S/L)
W.L. (cm³)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)

PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

EVENING TOUR

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1645	¾	5	CIRC. THROUGH SHOE.
1645			12	SET CSG. HANGER, HEAD, P/U WORKSTRING
	1900	2¼		& RUN IN HOLE SET A.C.P. @ 9000 KPA
1900	2000	1.0	5	CIRC THROUGH STAGE TOOL
2000	2015	¼	21	SAFETY MEETING W/ NOWSCO
2015	2130	1¼	12	CEMENT W/ NOWSCO
2130	2230	1.0	24	BACK OUT OF HANGER & DISPLACE ANNULUS W/ H₂O
2230	2330	1.0	25	RIG OUT CEMENTERS; RIG OUT HEAD - CHANGE
				R. BOP BEARING TO BLANK, RIG ON L/D PIPE
2330	2345	¼	7	RIG SERVICE / HYDRIL 12 SEC
			6	L/D DRILL PIPE

NOTES: SAFETY MEETING W/ NOWSCO. PLUG DOWN @ 2100, STAGE TOOL CLOSED @ 2115

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		A8000	CEMENT	-

FOLD HERE →

072259

LICENCE NO.: WID 87 | WELL NAME AND NO.: PARAMOUNT ET AL BOUIE C 76A

OPERATOR: PARAMOUNT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 60° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial MM
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)	Initial	
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)	Initial	
(3) Mast Inspection Before Raising or Lowering	Initial	
(4) Crown Saver Checked	Initial	
(5) Motor Kills checked	Initial	

YEAR 91 | MONTH 01 | DAY 07 | RIG NO. 507 | FUEL @ 8:00 | RIG | BOILER

WEATHER: TEMPERATURE °C | CURRENT CONDITIONS | WIND DIRECTION | ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.06	E	65	120.6	IF	218	A600PT	OILWELL	203
89	23.06	X95	65	123.8	IF	105	A600PT	OILWELL	203
89	35.5	E	67	120.3	IF	50			

TIME-HRS

CODE NO.	OPER.	1 RIG UP & TEAR DOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND. MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRE LINE LOGS	12 RUN CASE & 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 SAFETY MTG.	22	23	24	25	26
	MORN.		7					1/4													3/4		R. BOP	HANKE TOOLS			
	DAY		4			2 3/4															3/4		1/2				
	EVE.					6 1/2	1/4																	1 1/4				
	TOTAL		11			9	7 1/4	1/2													1 1/2		1/2	1 1/2			

TOTALS	
	8
	8
	8
	24

SHALE SHAKER(S)

NO. 1 TYPE SWACO

SCREENS CHANGED ☐ YES ☑ NO

TOP 140 | TOP

MIDDLE | MIDDLE

BOTTOM 110 | BOTTOM

RENTALS/SERVICES

	MORN.	DAY	EVE.
MJ TOTAL 4908			
MI ACCUM 192435			
LENGTH			
FUEL - 17580 L			

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			20 m
1	MOTOR 1.83	126	5.65 m
1	FLOAT SUB	119	59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP SUB	117	50 m
2	NMDC	123/125	18.69 m
1	IBRS	122	4.92 m
48	HWDP		441.66 m
	BHA		483.05 m
203	D.P.	STANDS	2947.90 m
1	D.P.	SINGLES	9.68 m
	KELLY DOWN		12.37 m
	TOTAL		3453 m

WT. OF DC BHA 16500 1000 daN

WT. OF STRING 65000 1000 daN

BIT RECORD

BIT NO.	7RR
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	LK4101
JETS (mm)	27 27 27 9.5
DEPTH OUT (m)	0/B
DEPTH IN (m)	3371
TOTAL METRES DRILLED (m)	82
TOTAL HOURS RUN	21 1/2

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 3-9 daN

TORQUE AT BOTTOM 50-100 UNITS

FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0200	0400	0600
DENSITY kg/m³	1075	1075	1075
FUNNEL VIS. - (S/L)	57	59	57
W.L. (cm³)			
pH			
PVT	81.8	80.6	80.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

SHAKER TANK

DESILTER #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
7	1015	900	2385

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3427	3453	26	45/40	10-11

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
12400	114	-	114	110

REDUCED PUMP SPEED: 4600 @ @ 62

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3420.36	81.4°	219.9
3430.03	81.0°	219.9

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0445	4 3/4	2	DRILL 3427m - 3444m
0445	0500	1/4	7	RIG SERVICE ✓ BOTTOM PIPE RAMS
0500	0600	1.0	2	DRILL 3444m - 3448m
0600	0715	1 1/4	2	DRILL 3448m - 3453m
0715	0800	3/4	20	DIRECTIONAL SURVEYS

NOTES: BOILER BLOWN !

DRILLER SIGNATURE

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		74000	NONE	1976 kN

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC 1000 daN

WT. OF STRING 1000 daN

BIT RECORD

BIT NO.	7RR
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	LK4101
JETS (mm)	27 27 27 9.5
DEPTH OUT (m)	3464
DEPTH IN (m)	3371
TOTAL METRES DRILLED (m)	93
TOTAL HOURS RUN	25 1/2

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr. — TD 365

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	08:00	11:30	14:30
DENSITY kg/m³	1075	1090	1080
FUNNEL VIS. - (S/L)	58	57	57
W.L. (cm³)			
pH			
PVT	80.2	42.3	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3453	3464	11	45/60	10/12

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
12400	114		114	110

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3439.71	80.2	218.7

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1200	4	2	DRILL 3453m - 3464m
1200	1245	3/4	20	DIRECTIONAL SURVEYS - WORK ON MWD
1245	1445	2	5	CHECK FOR WASH @ W.O.B
1445			6	PUMP PILL, FLOW @ A.O.H. FLOW @ 3316m
	1530	3/4		
1530	1600	1/2	22	PULL R-BOP & INSTALL BLANK

NOTES: BOILER BLOWN.

DRILLER SIGNATURE

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
9					

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC 1000 daN

WT. OF STRING 1000 daN

BIT RECORD

BIT NO.	7RR
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	LK4101
JETS (mm)	27 27 27 9.5
DEPTH OUT (m)	3464
DEPTH IN (m)	3371
TOTAL METRES DRILLED (m)	93
TOTAL HOURS RUN	25 1/2

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME

DENSITY kg/m³

FUNNEL VIS. - (S/L)

W.L. (cm³)

pH

TRIP

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3464	TD			

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114		114	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	2030	4 1/2	6	TRIP OUT - FLOW @ 2600m, 1474m BHA
2030	2100	1/2	23	RIG UP L/D MACHINE - HOLD SAFETY MTG
2100	2300	2.0	6	L/D HWDP-4 L/D DIRECTIONAL TOOLS
2300	2315	1/4	7	RIG SERVICE ✓ BLIND RAMS 7SEC
2315	2400	3/4	23	RIG UP TO RUN LINER

NOTES: HELD SAFETY MEETING WITH L/D OPERATOR & POWER TONG OPERATOR.

DRILLER SIGNATURE

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8				L/D MACHINE & POWER TONGS	

EVENING TOUR

FOLD HERE →

072258

LICENCE NO.: WID187 | WELL NAME AND NO.: PARAMOUNT ET AL BOYLE C76A

OPERATOR: PARAMOUNT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 60° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial DH
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR 79 | MONTH 01 | DAY 06 | RIG NO. 507

FUEL @ 8:00

RIG | BOILER

WEATHER: TEMPERATURE °C | CURRENT CONDITIONS | WIND DIRECTION | ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.06	E	65	120.6	IF	218	A600PT	OILWELL	203
89	23.06	X95	65	123.8	IF	105	A600PT	OILWELL	203
89	35.5	E	67	120.3	IF	60			

TIME-HRS

CODE NO.	OPER.	1 RIG UP & TEAR DOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND. MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRE LINE LOGS	12 RUN CASE & 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 SAFETY MTG.	22	23	24	25	26	TOTALS
	MORN.						7	1/4													3/4						8
	DAY	1/2					5			1/2													C.T.B.	R.B.O.P.				8
	EVE.	6 1/2						1/4													1 1/4		1/4	1/2				8
	TOTAL	9 1/2					12	1/2		1/2											2.0							24

SHALE SHAKER(S)

NO. 1 | TYPE SWACO

SCREENS CHANGED ☐ YES ☑ NO

TOP 140 | TOP | MIDDLE | MIDDLE | BOTTOM 110 | BOTTOM

RENTALS/SERVICES

MT TOTAL 2344 | MT ACCUM 189871 | LENGTH 1396.03 | FUEL 17287

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
1	MOTOR 1.83	126	5.65 m
1	FLOAT SUB	119	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
48	HWDP		441.66 m
			m
	BHA		483.05 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC	BHA	16 500	1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	7
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	LK4101
JETS (mm)	12 12 12 9.5
DEPTH OUT (m)	3396
DEPTH IN (m)	3371
TOTAL METRES DRILLED (m)	25
TOTAL HOURS RUN	6 1/4

CUTTING STRUCTURE: T | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

T R I P

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRD RM R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3396				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114		114	

REDUCED PUMP SPEED @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0515	5 1/4	6	HOIST E/O B.JTS X95 DP) - FLOW √ @ 2591m
				FLOW √ @ 1891m (50 STDS) @ BHA 485m, ON BANK
0515	0600	3/4	20	DIR WORK - CHANGE PULSER SUB & ORIENT
0600	0615	1/4	7	RIG SERVICE
0615	0800	1 3/4	6	TRIP IN (SHALLOW TEST @ STDS IN) FILL
				PIPE EVERY 20 STDS - FLOW √ @ 485m
				TRIP RECORD - CALC 11.58
				ACT 13.23 = 1.65 more

NOTES: BOILER BLOWN 1 TUBE
CHECKED CROWN SAVER OK.

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		73 000	NONE	19 899

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
1	1.83 MOTOR	126	5.65 m
1	FLOAT SUB	119	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	4.92 m
1	JARS	122	18.69 m
48	HWDP		441.66 m
	BHA		483.05 m
101	D.P.	STANDS	m
2	D.P.	SINGLES	2900.05 m
	KELLY DOWN		13.08 m
	TOTAL		3405 m
WT. OF DC	BHA	16 500	1000 daN
WT. OF STRING		65 000	1000 daN

BIT RECORD

BIT NO.	7RR
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	LK4101
JETS (mm)	12 12 12 9.5
DEPTH OUT (m)	3405
DEPTH IN (m)	3371
TOTAL METRES DRILLED (m)	34
TOTAL HOURS RUN	8

CUTTING STRUCTURE: T | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 4-10 daN
TORQUE AT BOTTOM 55-85 UNITS
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	14:00	15:00	16:00
DENSITY kg/m³	1070	1070	1070
FUNNEL VIS. - (S/L)	73	78	71
W.L. (cm³)			
pH			
P.V.T.	93.2	83.5	83.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRD RM R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3396	3405	9	45/90	9/11

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
12 400	114	110	114	

REDUCED PUMP SPEED @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3381.48	80.1	220.4

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1115	3 1/4	6	TRIP IN - FILL PIPE EVERY 20 STDS.
1115	1145	1/2	9	SLIP & CUT 13.71m - ABOVE WINDOW
1145	1330	1 3/4	6	PICKUP 9 E PIPE & RUN IN
1330	1400	1/2	23	PULL OUT BLANK & INSTALL R. BOP
1400	1415	1/4	22	CIRC TO BTM.
1415	1600	1 3/4	2	DRILL 3396m - 3405m

NOTES: BOILER BLOWN: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		75 000	NONE	19 899

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
1	MOTOR 1.83	126	5.65 m
1	FLOAT SUB	119	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
48	HWDP		441.66 m
	BHA		483.05 m
102	D.P.	STANDS	2918.78 m
2	D.P.	SINGLES	19.45 m
	KELLY DOWN		5.77 m
	TOTAL		3427 m
WT. OF DC	BHA	16 500	1000 daN
WT. OF STRING		65 000	1000 daN

BIT RECORD

BIT NO.	7RR
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	LK4101
JETS (mm)	12 12 12 9.5
DEPTH OUT (m)	0/B
DEPTH IN (m)	3371
TOTAL METRES DRILLED (m)	56
TOTAL HOURS RUN	14 1/2

CUTTING STRUCTURE: T | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 4-10 daN
TORQUE AT BOTTOM 50-100 UNITS
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	18:00	21 00	23 00
DENSITY kg/m³	1070	1070	1070
FUNNEL VIS. - (S/L)	67	61	57
W.L. (cm³)			
pH			
P.V.T.	83.5	83.4	83.0

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRD RM R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3405	3427	22	45/90	10/11

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
12,400	114		114	110

REDUCED PUMP SPEED 4200 @ 62 @ 3405m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3391.18	80.2	220.4
3400.91	79.4	220.3
3410.63	79.4	219.9

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1930	3 1/2	2	DRILL 3405m - 3411m
1930	1945	1/4	7	RIG SERVICE & TOP PIPE RAMS & SEE
1945	2245	3.0	2	DRILL 3414m - 3427m
2245	2400	1 1/4	20	DIRECTIONAL SURVEYS

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		75 000	NONE	19 899

EVENING TOUR

FOLD HERE →

072257

LICENCE NO.: WIW 87

WELL NAME AND NO.: PARAMOUNT ETAL BOUIE C76A

OPERATOR: PARAMOUNT

CONTRACTOR: **PRECISION DRILLING**

SURFACE LOCATION: LAT 60° 20' LONG 122° 45'

UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS — OPR. / R.M.

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H/S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR 1991 MONTH 01 DAY 05

RIG NO. 507

FUEL @ 8:00

RIG: BOILER:

WEATHER	
TEMPERATURE °C	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

	DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
	89	23.06	E	60.5	120.6	IF	215	ALCOPT	OILWELL	203
	89	23.06	X95	64	123.8	IF	100	ALCOPT	OILWELL	203
	89	35.5	HW	67	120.3	IF	50			

TIME-HRS

CODE NO.	OPER.	1 TRIP UP & TEAR DOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND. MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRE LINE LOGS	12 RUN CASE & 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 SAFETY MTG.	22	23	24	25	26
	MORN.						4¾	¼		½											2½		C.T.S	R.BOP			
	DAY		1¾				3¾														¼		1¾	½			
	EVE.		4½				1¼	¾	¼												¾			½			
	TOTAL		6¼				9¼	½		½											3⅜		1¾	1.0			

TOTALS: 8 / 8 / 8 / 24

SHALE SHAKER(S): NO. 1 TYPE SWACO; SCREENS CHANGED ☐ YES ☒ NO; TOP 140; MIDDLE; BOTTOM 110

RENTALS/SERVICES

	MORN.	DAY	EVE.
MJ TOTAL - 7455' 2237			
MJ ACCM - 1~~5206~~ 1854/3			
LENGTH - 1409.74			
FUEL @ 0600 21682 L			

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
1	MOTOR	126	5.65 m
1	FLOAT SUB	119	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
58	HWDP	89	441.66 m
			m
	RIA.		483.05 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF BC	BHA	16 500	1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	7
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	LK4101
JETS (mm)	17 17 17 95
DEPTH OUT (m)	
DEPTH IN (m)	3371
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	
DENSITY kg/m³	T
FUNNEL VIS. - (S/L)	R
W.L. (cm³)	I
pH	P

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

MORNING TOUR

METRES DRILLED

FROM	TO	DRD. RMR CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3371				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114		114	

REDUCED PUMP SPEED: @ ; @

DEVIATION SURVEY: DEPTH (m) | DEVIATION (°) | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0230	2½	8	FINISH TOOH, LAY DOWN 7 SINGLES
~~0230~~				AND FLOW ✓ @ 509 m
0230	0500	2½	20	CHANGE OUT MUD MTR, PULSER &
				ORIENT TOOL & SHALLOW TEST. MWD UP. BIT.
0500	0530	½	7	SLIP & CUT 2742 m.
0530	0545	¼	7	R/C SERVICE
0545	0800	2¼	6	R/U W/HWDP & PICK UP 8 SINGLES
				FILL PIPE EVERY 20 STDS)

NOTES: BOILER BLOWN: TIME ACC - 15.37 DAY 4.21 CAL 11.16

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		76000	NONE	19899

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
1	MOTOR 1.88°	126	5.65 m
1	FLOAT SUB	119	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
48	HWDP		441.66 m
			m
	BHA		483.05 m
100	D.P.	STANDS	2861.81 m
2	D.P.	SINGLES	19.48 m
	KELLY DOWN		12.66 m
	TOTAL		3377 m
WT. OF DC	BHA	16 500	1000 daN
WT. OF STRING		65000	1000 daN

BIT RECORD

BIT NO.	7
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	LK4101
JETS (mm)	17 17 17 95
DEPTH OUT (m)	0/B
DEPTH IN (m)	3371
TOTAL METRES DRILLED (m)	6
TOTAL HOURS RUN	1¾

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG 5-10000 daN; TORQUE AT BOTTOM; FILL ON BOTTOM (m) 1m FILL

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	1300	1400	1500
DENSITY kg/m³	1075	1075	1075
FUNNEL VIS. - (S/L)	82	73	62
W.L. (cm³)			
pH			
PVT	86.0	86.2	85.0

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

	1075	900	2385

DAY TOUR

METRES DRILLED

FROM	TO	DRD. RMR CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3371	3377	6	95/40	7/10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11800	114	110	114	-

REDUCED PUMP SPEED: 4800 @ 60 @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3363.12	80.2	221.0

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1145	3¾	6	TRIP IN (FILL PIPE EVERY 20 STDS) 4/0 4 STANDS
1145	1215	½	22	CHG BLANK BACK TO BEARING ASSEMBLY (R.BOP)
1215	1400	1¾	23	BREAK CIRC & WASH FROM 3319m to 3371m
1400	1545	1¾	2	DRILL 3371m - 3377m
1545	1600	¼	20	DIRECTIONAL SURVEY

NOTES: FUEL ADDED 400 LTRS TO LOADER. BOILER BLOWN:

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
9			76000	NONE	

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
	MOTOR	126	5.65 m
1	FLOAT SUB	119	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
48	HWDP		441.66 m
			m
	BHA		483.05 m
101	D.P.	STANDS	m
1	D.P.	SINGLES	2900.36 m
	KELLY DOWN		13.08 m
	TOTAL		3396.49 m
WT. OF DC	BHA	16,500	1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	7
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	HP53
SERIAL NO.	LK4101
JETS (mm)	17 17 95
DEPTH OUT (m)	33
DEPTH IN (m)	3371
TOTAL METRES DRILLED (m)	25
TOTAL HOURS RUN	6¼

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG 4-10 daN; TORQUE AT BOTTOM 60-80 UNITS; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	16:00	19:30	22:15
DENSITY kg/m³	1070	1070	1065
FUNNEL VIS. - (S/L)	63	61	61
W.L. (cm³)			
pH			
PVT	84.8	84.2	83.9

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT — BARITE 15SX

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

2	1075	900	2441

EVENING TOUR

METRES DRILLED

FROM	TO	DRD. RMR CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3377	3396	19	45/90	7/10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
12,000	114	110	114	

REDUCED PUMP SPEED: 4100 @ 61 @ 3396

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3372.79	NO PULSE	

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1830	2½	2	DRILL 3377m - 3386m
1830	1845	¼	7	R/C SERVICE ✓ ANNULAR 14 SEC.
1845	1915	½	20	WORK ON MWD - NO PULSE
1915	2115	2	2	DRILL 3386m - 3396m
2115	2130	¼	20	WORK ON MWD - CHANGE PUMPS - NO PULSE
2130	2245	1¼	5	CIRC. 3T/m UP
2245	2330	¾	6	PUMP DRL. FLOWLINE & PULL 5 STANDS @ 3296m FLOWLINE
2330	2400	½	23	CHANGE OUT R.BOP & TEST BLIND

NOTES: Fuel added 280 litres to Lite towers, 300 Litres to Boiler Blown / Wind up.

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
9	10			NONE	19899

FOLD HERE →

072256

LICENCE NO.: WIT 0687 | WELL NAME AND NO.: PARAMOUNT ET AL BOUIE C76A

OPERATOR: PARAMOUNT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 60°20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS (OPR. / R.M.)
(1) Daily Walk Around Inspection
(2) Detailed Inspection Weekly (using checklist)
(3) H²S Signs Posted (if required)
(4) Well Licensee & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines
(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills checked

YEAR 1979 | MONTH 01 | DAY 04 | RIG NO. 507 | FUEL @ 8:00 | RIG | BOILER

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.06	E	65	120.6	IF	218	A600PT	OILWELL	203
89	23.06	X95	65	133.8	IF	10	A600PT	OILWELL	203
89	35.5	HW	67	130.6	IF	50			

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND MUD & CIRC	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
MORN.			7					1/4													3/4					
DAY			7					1/4													3/4					
EVE.			2 1/3			1 1/2	3 3/4														1/4					
TOTAL			16 1/3			1 1/2	3 3/4	1/2													1 1/4					

TOTALS: 8 / 8 / 8 / 24

SHALE SHAKER(S): NO. 1 TYPE SWACO; SCREENS CHANGED ☐ YES ☑ NO; TOP 140; MIDDLE; BOTTOM 110

RENTALS/SERVICES (MORN. / DAY / EVE.)
MS TOTAL - 7155
MS ACCM - 183206
LENGTH - 1437.6
FUEL @ 0600 26320 L

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
		.23	m
1	MORSE 15⅜"	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
10	HWDP		367.91 m
	BHA		409.15 m
102	D.P.	STANDS	2915.28 m
1	D.P.	SINGLES	9.68 m
	KELLY DOWN		8.39 m
	TOTAL		2346 m
WT. OF DC	BHA	15 000	1000 daN
WT. OF STRING		65 000	1000 daN

BIT RECORD: BIT NO. 6; SIZE (mm) 152; IADC CODE 537; MFG. VAREL; TYPE ETD 5376; SERIAL NO. 137392; JETS (mm) 27 27 27; DEPTH OUT (m) 0/B; DEPTH IN (m) 3253; TOTAL METRES DRILLED (m) 93; TOTAL HOURS RUN 24 1/4

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG 3 - 9000 daN; TORQUE AT BOTTOM 60 - 100 UNITS; FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED			
TIME	0200	0400	0600
DENSITY kg/m³	1070	1070	1070
FUNNEL VIS. - (S/L)	54	55	55
W.L. (cm³)			
pH			
O.W.T	82.3	87.2	87.7

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
5 | 1070 | 900 | 2295

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRD RMR CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3323	3346	23	45/90	10-15

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11900	114	110	114	

REDUCED PUMP SPEED: 4200 @ 60 @ 131

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3317.29	80.4	219.3
3327.01	80.2	221.0

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0215	2 1/4	2	DRILL 3323m - 3337m
0215	0320	1/4	7	RIG SERVICE ✓ HCR 3 SEC
0320	0600	2 1/3	2	DRILL 3337m - 3338m
0600	0715	1 1/4	2	DRILL 3338m - 3346m
0715	0500	3/4	20	DIRECTIONAL SURVEYS

NOTES: BOILER BLOWN 1 TIME. FLOAT @ 3327m

DRILLER SIGNATURE:

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		76 000	NONE	19 599 daN

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
		.23	m
1	MORSE 15⅜"	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
40	HWDP		367.91 m
	BHA		409.15 m
103	D.P.	STANDS	2947.56 m
	D.P.	SINGLES	m
	KELLY DOWN		7.29 m
	TOTAL		3364 m
WT. OF DC	BHA	15000	1000 daN
WT. OF STRING		65 000	1000 daN

BIT RECORD: BIT NO. 6; SIZE (mm) 152; IADC CODE 537; MFG. VAREL; TYPE ETD 5376; SERIAL NO. 137392; JETS (mm) 27 27 27; DEPTH OUT (m) 0/B; DEPTH IN (m) 3253; TOTAL METRES DRILLED (m) 111; TOTAL HOURS RUN 35 1/4

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG 3 - 9000 daN; TORQUE AT BOTTOM 65 - 90 UNITS; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED			
TIME	0900	1200	1500
DENSITY kg/m³	1070	1070	1070
FUNNEL VIS. - (S/L)	55	55	54
W.L. (cm³)			
pH			
PVT	87.6	97.4	87.4

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRD RMR CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3346	3364	18	45/90	10-18

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11800	114	110	114	—

REDUCED PUMP SPEED: 4800 @ 62 @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3336.69	80.3	222.7
3346.11	79.9	221.7

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1415	6 1/4	2	DRILL 3346m - 3360m
1415	1430	1/4	7	RIG SERVICE ✓ HYDRIL ½ SEC
1430	1515	3/4	2	DRILL 3360m - 3364m
1515	1600	3/4	20	DIRECTIONAL SURVEYS

NOTES: BOILER BLOWN 1 TIME: FUEL ADDED WATER TRUCK = 500 ltrs

DRILLER SIGNATURE:

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
9	10		74 000	NONE	19 899 daN

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
		.23	m
1	MORSE 15⅜"	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
40	HWDP		367.91 m
	BHA		416.15 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC	BHA	15 000	1000 daN
WT. OF STRING			1000 daN

BIT RECORD: BIT NO. 6; SIZE (mm) 152; IADC CODE 537; MFG. VAREL; TYPE ETD 5376; SERIAL NO. 137392; JETS (mm) 27 27 27; DEPTH OUT (m) 3371; DEPTH IN (m) 3253; TOTAL METRES DRILLED (m) 118; TOTAL HOURS RUN 37 3/4

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED	
TIME	1800
DENSITY kg/m³	1070
FUNNEL VIS. - (S/L)	55
W.L. (cm³)	
pH	
P/T	87.4

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT
BARITE 15 SX

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRD RMR CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3364	3371	7	45/90	10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11700	114	110	114	—

REDUCED PUMP SPEED: 4700 @ 61 @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3355.79	80.2°	220.6

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1830	2 1/2	2	DRILL 3364m - 3371m
1830	1845	1/4	20	DIRECTIONAL SURVEY
1845	2015	1 1/2	5	CIRC BOTTOMS UP - WORK DRILL STRING
2015	2460	3 3/4	6	FLOW @ 3335m PUMP PILL PULL 1 STD & PULL BEARING & INSTALL PLANE FLOW @ 610 3221m) 25 STDS (2647m) 55 STDS (779m)

NOTES:

DRILLER SIGNATURE: Kel / Tim.

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
9	10				

FOLD HERE →

072255

LICENCE NO.: WIP 87 | WELL NAME AND NO.: PARAMOUNT ET AL BOYE C76A

OPERATOR: PARAMOUNT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LSD 6 SEC 20 TWP 60 RGE 20 W4M | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) HPS Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)	Initial	
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)	Initial	
(3) Mast Inspection Before Raising or Lowering	Initial	
(4) Crown Saver Checked	Initial	
(5) Motor Kills checked	Initial	

YEAR: 1997 | MONTH: 01 | DAY: 03

RIG NO.: 507

FUEL @ 8:00

RIG | BOILER

WEATHER

TEMPERATURE	-19 °C
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.06	E	65	120.6	IF	218	A600PT	OILWELL	303
89	23.06	X95	65	123.8	IF	105	A600PT	OILWELL	303
89	35.5	HW	67	120.6	IF	50			

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
	MORN.		7					1/4													3/4	R. BOP				
	DAY		6 3/4																		3/4	1/2				
	EVE.		7					1/4													3/4					
	TOTAL		20 3/4					1/2													3 1/4	1/2				

TOTALS

8	
8	
8	
24	

SHALE SHAKER(S)

NO. 1 TYPE SWACO

SCREENS CHANGED ☐ YES ☑ NO

TOP 140 | TOP

MIDDLE | MIDDLE

BOTTOM 110 | BOTTOM

RENTALS/SERVICES

	MORN	DAY	EVE
MS TOTAL - 24171			
MS ACCM - 1795.02			
LENGTH - 1437.16			
FUEL @ 0600 9762 L (69)			

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.23 m
1	MOTOR 1.83°	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	Top X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
40	HWDP		367.91 m
			m
	BHA.		409.15 m
100	D.P.	STANDS	2560.80 m
	D.P.	SINGLES	m
	KELLY DOWN		8.05 m
	TOTAL		3278 m
WT. OF DC	BHA	15 000	1000 daN
WT. OF STRING		65 000	1000 daN

BIT RECORD

BIT NO.	6
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	VAREL
TYPE	ETD 5376
SERIAL NO.	137392
JETS (mm)	2 7/12 7/12 7/12
DEPTH OUT (m)	O/B
DEPTH IN (m)	3253
TOTAL METRES DRILLED (m)	23
TOTAL HOURS RUN	7 1/2

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG	4 - 10 daN
TORQUE AT BOTTOM	50 - 100 UNITS.
FILL ON BOTTOM (m)	—

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0200	0400	0600
DENSITY kg/m³	1070	1060	1065
FUNNEL VIS. - (S/L)	66	57	58
W.L. (cm³)			
pH			
O.W.T	89.2	89.3	79.3

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
4	1070	920	2360

METRES DRILLED

FROM	TO	DRD / RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3255	3275	DR	45/60	8-10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11,900	114	110	114	

REDUCED PUMP SPEED

5000 @ 63 @ 3262 m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3249.61	79.7°	222.0
3259.29	80.1	221.4

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.
0000	0300	3	2
0300	0315	1/4	7
0315	0600	2 3/4	2
0600	0715	1 1/4	2
0715	0800	3/4	20

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

DRILL 3255m - 3263m
RIG SERVICE ✓ TOP PIPE RAMS & SFC.
DRILL 3263m - 3270m. - 3278m
DRILL 3270m - 3275m
DIRECTIONAL SURVEYS

NOTES: BOILER BLOWN: 1 TIME.

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		77,000	NONE	20,159 kg

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.23 m
1	MOTOR 1.83°	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	Top X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
40	HWDP		367.91 m
			m
	BHA		409.15 m
100	D.P.	STANDS	2860.80 m
2	D.P.	SINGLES	19.05 m
	KELLY DOWN		10.00 m
	TOTAL		3299 m
WT. OF DC	BHA	15 000	1000 daN
WT. OF STRING		65 000	1000 daN

BIT RECORD

BIT NO.	6
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	VAREL
TYPE	ETD 5376
SERIAL NO.	137392
JETS (mm)	2 7/12 7/12 7/12
DEPTH OUT (m)	0/B
DEPTH IN (m)	3253
TOTAL METRES DRILLED (m)	46
TOTAL HOURS RUN	14 1/4

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG	3 - 9 daN
TORQUE AT BOTTOM	60 - 100 UNITS
FILL ON BOTTOM (m)	—

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0900	1200	1500
DENSITY kg/m³	1065	1065	1075
FUNNEL VIS. - (S/L)	57	57	56
W.L. (cm³)			
pH			
PVT	89.4	90.1	90.2

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRD / RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3275	3299	24	95/90	10-16

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11800	114	110	114	

REDUCED PUMP SPEED

4700 @ 61 @ 3283 m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3268.86	80.9°	220.6
3278.00	80.6	218.8

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.
0800	1315	5 1/4	2
1315	1345	1/2	22
1345	1515	1 1/2	2
1515	1600	3/4	20

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

DRILL 3275m - 3292m
WORK HOLE ; CHANGE BEARING ASSEMBLY R.BOP
DRILL 3292m - 3299m
DIRECTIONAL SURVEYS
* GREASED CROWN & BLOCKS

NOTES: FUEL ADDED: LOADER 500 Lts ; COYOTE LT PLANT 1000 Lts
BOILER BLOWN 1 TIME. FLOW CHECK @ 3296m

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		76,000	NONE	19,769 kg

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.23 m
1	MOTOR 1.83°	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	Top X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
40	HWDP		367.91 m
			m
	BHA.		409.15 m
101	D.P.	STANDS	2959.59 m
2	D.P.	SINGLES	19.47 m
	KELLY DOWN		14.71 m
	TOTAL		3323 m
WT. OF DC		15 000	1000 daN
WT. OF STRING		65 000	1000 daN

BIT RECORD

BIT NO.	6
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	VAREL
TYPE	ETD 5376
SERIAL NO.	137392
JETS (mm)	2 7/12 7/12 7/12
DEPTH OUT (m)	0/B
DEPTH IN (m)	3253
TOTAL METRES DRILLED (m)	70
TOTAL HOURS RUN	21 1/4

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG	3 - 9 daN
TORQUE AT BOTTOM	60 - 100 UNITS.
FILL ON BOTTOM (m)	—

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	1800	2200	2400
DENSITY kg/m³	1075	1070	1070
FUNNEL VIS. - (S/L)	55	54	55
W.L. (cm³)			
pH			
PVT	90.0	89.7	89.8

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
2	1075	905	2355

METRES DRILLED

FROM	TO	DRD / RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3299	3323	24	95/90	10-18

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11800	114	110	114	

REDUCED PUMP SPEED

4700 @ 61 @ 3301 m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3288.09	80.4	217.2
3297.52	80.4	217.3
3307.55	80.4	217.6

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.
1600	1630	1/2	2
1630	1645	1/4	7
1645	2315	6 1/2	2
2315	2400	3/4	20

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

DRILL 3299m - 3302m
RIG SERVICE ✓ BOTTOM PIPE RAMS TSFC
DRILL 3302m - 3323m
DIRECTIONAL SURVEYS

NOTES: BOILER BLOWN 1 TIME

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		76,000	NONE	19,769

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072254

LICENCE NO.: W10127 | WELL NAME AND NO.: PARAMOUNT ETAL BOUIE C76A

OPERATOR: PARAMOUNT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 60° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)	Initial	
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)	Initial	
(3) Mast Inspection Before Raising or Lowering	Initial	
(4) Crown Saver Checked	Initial	
(5) Motor Kills checked	Initial	

YEAR 1999 | MONTH 01 | DAY 02

RIG NO. 507

FUEL @ 8:00

RIG | BOILER

WEATHER: TEMPERATURE °C | CURRENT CONDITIONS | WIND DIRECTION | ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.06	E	65	120.6	IF	218	A1000PT	OILWELL	203
89	23.06	X95	65	120.6	IF	150	A1000PT	OILWELL	203
89	35.15	HW	67	120.6	IF	50			

TIME-HRS

CODE NO.	1 RIG UP & TEAR DOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND. MUD & CIRC.	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRE LINE LOGS	12 RUN CASE & 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 SAFETY MTG.	22	23	24	25	26
OPER.																										
MORN.		5 3/4			1	1/2	1/4													1/2						
DAY						7														1						
EVE.		1/2	1			4 1/2	1/4		1/2											1 1/4						
TOTAL		6 1/4	1		1	12	1/2		1/2											2 3/4						

TOTALS

SHALE SHAKER(S)	RENTALS/SERVICES
NO. 1 TYPE SWACO	MS TOTAL - 125'5
SCREENS CHANGED ☐ YES ☑ NO	MS ACCM - 178006
TOP 140 / TOP	LENGTH - 1437.16
MIDDLE / MIDDLE	
BOTTOM 110 / BOTTOM	FUEL @ 0600 - 9204 L

	MORN	DAY	EVE
8			
8			
8			
24			

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83°		.23 m
1	MOTOR	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.67 m
1	JARS	122	4.92 m
40	HWDP		367.91 m
			m
	BHA		409.15 m
79	D.P.	STANDS	2531.62 m
	D.P.	SINGLES	m
	KELLY DOWN		12.18 m
	TOTAL		3253 m
WT. OF DC	BHA.	15 000	1000 daN
WT. OF STRING		65 000	1000 daN

BIT RECORD

BIT NO.	5
SIZE (mm)	152
IADC CODE	537
MFG.	SMITH
TYPE	F3
SERIAL NO.	LP9256
JETS (mm)	12/12/12/9.5
DEPTH OUT (m)	3253
DEPTH IN (m)	3131
TOTAL METRES DRILLED (m)	122
TOTAL HOURS RUN	29 3/4

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG	4.10 daN.
TORQUE AT BOTTOM	65 - 90 UNITS.
FILL ON BOTTOM (m)	—

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0200	0400	0600
DENSITY kg/m³	1065	1065	1065
FUNNEL VIS. - (S/L)	56	55	56
W.L. (cm³)			
pH			
P.V.T.	91.7	91.7	91.8

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
BARYTE	15 SKS.

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
—			
		Cent #7	

MORNING TOUR

METRES DRILLED

FROM	TO	DR'G RM'R CORE'C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3235	3253	18	45/60	8-10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11500	114	110	114	

REDUCED PUMP SPEED

	@		@
4600		61	

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3240.21	81.6°	222.8
3239.91	80.9°	223.1

DRILLER SIGNATURE: [signature]

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0230	2 1/2	2	DRILL 3235m - 3244m
0230	0245	1/4	7	RIG SERVICE - FUNCTION SWACO CHOKE
0245	0600	3 1/4	2	DRILL 3244m - 3253m
0600	0630	1/2	20	DIRECTIONAL SURVEY
0630	0730	1	5	CIRC BTMS UP PRIOR TO TRIP
0730	0800	1/2	6	FLOW ✓ & PUMP PILL
				FLOW ✓ @ 3240m.

NOTES: BOILER ENGINEER - 1 LIGHT TOWER SOE

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		77 000	NONE	20 029 kDa

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83°		.23 m
1	MOTOR	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
40	HWDP		367.91 m
			m
	BHA		409.15 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC	BHA	15 000	1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	5	6
SIZE (mm)	152	152
IADC CODE	537	537
MFG.	SMITH	VAREL
TYPE	F3	ETD 537G
SERIAL NO.	LP9256	137392
JETS (mm)	12/12/12/9.5	12/12/12/9.5
DEPTH OUT (m)	3253	
DEPTH IN (m)	3131	3253
TOTAL METRES DRILLED (m)	122	
TOTAL HOURS RUN	38 3/4	

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.
2	2	FC	2	5	8mm	FC	WS	3.1

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	T
W.L. (cm³)	R
pH	I P

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

DAY TOUR

METRES DRILLED

FROM	TO	DR'G RM'R CORE'C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3253				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114		114	

REDUCED PUMP SPEED

	@		@

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE: [signature]

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1330	5 1/2	6	HOIST BIT #5, FLOW ✓ @ 5 STDS (3097m) - HOIST
				FLOW ✓ @ 2638m - PULL BEARINGS INSTALL BLANK
				FLOW ✓ @ 1819m (50 STDS) FLOW ✓ @ 437m (BHA) ON BTM
1330	1430	1.0	20	CHANGE OUT PULSER SUB, CHG BITS, ORIENT TOOL
1430	1600	1 1/2	6	TRIP IN W/BIT #6 (- SHALLOW TEST @ 163m
				TRIP IN - FILL PIPE EVERY 20 STDS
				FLOW ✓ @ BHA 409m
				* CHECK BLIND RAMS 7 SEC TO CLOSE
				TRIP RECORD: CHEC 10.77
				ACT 13.70 = 2.93 HOLE

NOTES: CHECKED CROWN SAVER. Bouge Plugs: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10				

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83°		.23 m
1	MOTOR	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
40	HWDP		367.91 m
			m
	BHA		409.15 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC	BHA	15 000	1000 daN
WT. OF STRING		65 000	1000 daN

BIT RECORD

BIT NO.	6
SIZE (mm)	152
IADC CODE	537
MFG.	VAREL
TYPE	ETD 537G
SERIAL NO.	137392
JETS (mm)	12/12/12/9.5
DEPTH OUT (m)	O/B
DEPTH IN (m)	3253
TOTAL METRES DRILLED (m)	2
TOTAL HOURS RUN	1/2

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.
2	2	FC	2	5	8mm	FC	WS	3.1

HOLE CONDITION

HOLE DRAG	4.10 daN
TORQUE AT BOTTOM	50 - 100 UNITS.
FILL ON BOTTOM (m)	2m

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	2400
DENSITY kg/m³	1075
FUNNEL VIS. - (S/L)	66
W.L. (cm³)	
pH	
P.V.T.	90.0

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
—			

EVENING TOUR

METRES DRILLED

FROM	TO	DR'G RM'R CORE'C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3253	3255	2	45/60	8-10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114	110	114	

REDUCED PUMP SPEED

	@		@

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE:

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1615	1/4	6	TRIP IN W/BIT #6
1615	1645	1/2	9	SLIP & CUT 27.42m DRILLING LINE
1645	1700	1/4	7	RIG SERVICE / MOTOR KILLS OK
1700	1830	1 1/2	6	TRIP IN W/BIT #6 FILL PIPE EVERY 20 STDS
1830	1945	1 1/4	20	DIR WORK - CHG TRANSDUCER WORK TO GET PULSE
1945	2090	3/4	6	TRIP IN TO 2629m FLOW ✓ INSTALL BEARING
~~2085~~	~~2115~~	~~1/2~~		ASSEMBLY & TRIP IN TO 3209m - (BIT CHEC)
2230	2330	1	3	REAM from ~~3206~~ 3206m - 3253m (2m FILL)
2330	2400	1/2	2	DRILL 3253m - 3255m.

NOTES: FLOW ✓ ON TRIP IN @ 1849m, 2645m.

Bouge Plugs: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		77 000	NONE	20 029 kDa

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072253

LICENCE NO.: WI 187 | WELL NAME AND NO.: PARAMOUNT ET AL BOVIE C76A

OPERATOR: PARAMOUNT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 60° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) HPS Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)	Initial	
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)	Initial	
(3) Mast Inspection Before Raising or Lowering	Initial	
(4) Crown Saver Checked	Initial	
(5) Motor Kills checked	Initial	

YEAR 1999 | MONTH 01 | DAY 01 | RIG NO. 507 | FUEL @ 8:00 | RIG | BOILER

WEATHER: TEMPERATURE °C | CURRENT CONDITIONS | WIND DIRECTION | ROAD

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.06	E	65	120.6	IF	219	A600PT	OILWELL	203
89	23.06	X95	65	123.8	IF	150	A600PT	OILWELL	203
89	35.5	HW	67	130.6	IF	50			

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
MORN.			7					1/4													3/4					
DAY			7 1/4																		3/4					
EVE.			7					1/4													3/4					
TOTAL			21 1/4					1/2													3/4					

TOTALS

	SHALE SHAKER(S)	RENTALS/SERVICES	MORN	DAY	EVE
8	NO. 1 TYPE: SWACO	MJ TOTAL - 1215'			
8	SCREENS CHANGED ☐ YES ☑ NO	MJ ACCM - 1735.41			
8	TOP MD TOP	LENGTH - 1461.58			
8	MIDDLE MIDDLE				
24	BOTTOM 110 BOTTOM	FUEL @ 0600 - 8L 12 559 L			

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.23 m
1	MOTOR 1.83°	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.67 m
1	JARS	122	
40	HWDP		367.91 m
	BHA		409.15 m
77	D.P.	STANDS	2973.24 m
	D.P.	SINGLES	246.31 m
	KELLY DOWN		7.40 m
	TOTAL		3190 m

WT. OF DC BHA 15 000 1000 daN

WT. OF STRING 64 000 1000 daN

BIT RECORD

BIT NO.	5
SIZE (mm)	152
IADC CODE	537
MFG.	SMITH
TYPE	F3
SERIAL NO.	LP9256
JETS (mm)	12.7 12.7 9.3
DEPTH OUT (m)	O/B
DEPTH IN (m)	3131
TOTAL METRES DRILLED (m)	59
TOTAL HOURS RUN	18 3/4

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 4-10 daN

TORQUE AT BOTTOM 75-100 UNITS

FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0200	0400	0600
DENSITY kg/m³	1060	1060	1060
FUNNEL VIS. - (S/L)	57	58	57
W.L. (cm³)			
pH			
O.W.T.	92.3	92.5	92.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
/			
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
/			

METRES DRILLED

FROM	TO	DRLD RM-F CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3166	3190	24	40/40	9/10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11500	114	110	114	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3162.24	78.6°	218
3171.97	78.0°	216.8
3166.94		

DRILLER SIGNATURE:

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0330	3½	2	DRILL 3166m - 3176m
0330	0345	¼	7	RIG SERVICE, ✓ HYDRILL CLOSE 13sec
0345	0600	2¼	2	DRILL 3176m - 3182m
0600	0645	¾	20	DIRECTIONAL SURVEYS
0645	0800	1¼	2	DRILL 3176m - 3190m

NOTES: FUEL WASHGUN 420L LIGHT TOWERS 200L ARCTIC COIL BOILER BLOWER 1 COYOTE FENCES 400L WATER HOSES 500L

HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		78 000	NONE	20 159

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.23 m
1	MOTOR 1.83°	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
40	HWDP		367.91 m
	BHA		409.15 m
97	D.P.	STANDS	2973.45 m
2	D.P.	SINGLES	19.41 m
	KELLY DOWN		8.99 m
	TOTAL		3211 m

WT. OF DC BHA 15 000 1000 daN

WT. OF STRING 65 000 1000 daN

BIT RECORD

BIT NO.	5
SIZE (mm)	152
IADC CODE	537
MFG.	SMITH
TYPE	F3
SERIAL NO.	LP9256
JETS (mm)	12.7 12.7 9.3
DEPTH OUT (m)	O/B
DEPTH IN (m)	3131
TOTAL METRES DRILLED (m)	80
TOTAL HOURS RUN	26

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 4-10 daN

TORQUE AT BOTTOM 65-90 UNITS

FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0900	1200	1500
DENSITY kg/m³	1065	1065	1065
FUNNEL VIS. - (S/L)	56	56	57
W.L. (cm³)			
pH			
PVT	92.3	92.0	91.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRLD RM-F CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3190	3211	21	45/40	8-10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11500	114	110	114	

REDUCED PUMP SPEED: 4500 @ 61 @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3181.32	79.8°	218.40
3191.00	80.3	220.78

DRILLER SIGNATURE:

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1515	7¼	2	DRILL 3190m - 3211m
1515	1600	¾	20	DIRECTIONAL SURVEYS

NOTES: Boiler Blower: 1 TIME

HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		76 000	NONE	20 029 km

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.23 m
1	MOTOR 1.83°	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSER SUB	120	1.35 m
1	TOP X/O	117	.50 m
2	NMDC	123/125	18.69 m
1	JARS	122	4.92 m
40	HWDP		367.91 m
	BHA		409.15 m
98	D.P.	STANDS	3002.54 m
2	D.P.	SINGLES	19.44 m
	KELLY DOWN		3.97 m
	TOTAL		3235 m

WT. OF DC 15 000 1000 daN

WT. OF STRING 65 000 1000 daN

BIT RECORD

BIT NO.	5
SIZE (mm)	152
IADC CODE	537
MFG.	SMITH
TYPE	F3
SERIAL NO.	LP9256
JETS (mm)	12.7 12.7 9.3
DEPTH OUT (m)	O/B
DEPTH IN (m)	3131
TOTAL METRES DRILLED (m)	104
TOTAL HOURS RUN	33

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 4-10 daN

TORQUE AT BOTTOM 65-90 UNITS.

FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	1900	2200	2400
DENSITY kg/m³	1065	1065	1065
FUNNEL VIS. - (S/L)	56	56	57
W.L. (cm³)			
pH			
PVT	91.7	91.6	91.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
/			
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
/			

METRES DRILLED

FROM	TO	DRLD RM-F CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3211	3235	24	45/40	8-10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11500	114		114	

REDUCED PUMP SPEED: 4600 @ 60 @ 3214m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3200.53	80.9°	222.71
3210.77	80.9°	222.90
3220.52	81.0	223.00

DRILLER SIGNATURE: Daniel

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1715	1¼	2	DRILL 3211m - 3215m
1715	1730	¼	7	RIG SERVICE ✓ TOP PIPE RAMS 6sec
1730	2315	5¾	2	DRILL 3215m - 3235m
2315	2400	¾	20	DIRECTIONAL SURVEYS

NOTES: Boiler Blower: 1 Time

HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		76 000	NONE	20 029 km

EVENING TOUR

FOLD HERE →

072252

LICENCE NO.: WID 077 | WELL NAME AND NO.: PRAIRMONT ET AL BOVIE C76A

OPERATOR: PRAIRMONT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 60° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial LA
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial NA
(4) Well License & Sour Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial NA
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Meet Inspection Before Raising or Lowering		Initial NA
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR 13 | MONTH 12 | DAY 31 | RIG NO. 507

FUEL @ 8:00 | PIG | BOILER

WEATHER: TEMPERATURE °C | CURRENT CONDITIONS | WIND DIRECTION | ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.06	E	65	120.6	IF	218	A600 PT	OILWELL	203
89	23.06	X95	65	123.8	IF	150	A600 PT	OILWELL	203
89	35.5	HW	67	120.6	IF	50			

TIME-HRS

CODE NO.	OPER.	1 RIG UP & TEAR DOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRE LINE LOGS	12 RUN CASE & 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 SAFETY MTG.	22	23	24	25	26
	MORN.						6¾	¼		½												½ BOP TESTING	ENTEST				
	DAY		5	2¼																	¼		½			
	EVE.		6¾					¼													¾		¼			
	TOTAL		11¾	2¼			6¾	½		½											1	½	¾			

TOTALS	
8	
8	
8	
24	

SHALE SHAKER(S)

NO. | TYPE

SCREENS CHANGED ☑ YES ☐ NO

TOP 110 | TOP 140

MIDDLE | MIDDLE

BOTTOM 110 | BOTTOM

RENTALS/SERVICES

	MORN.	DAY	EVE.
MJ TOOLS -			
MJ ACCM -			
Length - 1464.58			
FUEL @ 0600 - 18458			1326

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT	125	.23 m
1	MOTOR	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSE SUB		1.35 m
1	TOP X/O		.50 m
2	NMDC		18.69 m
1	JARS		9.92 m
40	HWDP		367.91 m
			m
	BHA		409.15 m
	D.P. STANDS		m
	D.P. SINGLES		m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC BHA. 15 000 (1000 daN)

WT. OF STRING 62 000 (1000 daN)

BIT RECORD

BIT NO.	5
SIZE (mm)	152
IADC CODE	537
MFG.	SMITH
TYPE	F3
SERIAL NO.	LP9256
JETS (mm)	27 27 27
DEPTH OUT (m)	
DEPTH IN (m)	3131
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 4-10 daN.

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRLG RMR CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3131				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
9200	114	110	114	

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0345	3¾	6	TRIP IN AND FILL PIPE EVERY 20 STDS (2 DOWN) ✓
0345	0400	¼	7	RIG SERVICE - FILL PIPE @ 3085, 7 SEC.
0400	0500	1	6	TRIP IN W/ DIC TOOLS.
0500	0530	½	22	INSTALL BEARING ASSEMBLY
0530	0600	½	9	SLIP & CUT 13.71m
0600	0900	3	6	P/U 4 SINGLES & RIH TO 2469.4m
				& REAM TO 3090m
				DP - GRADE E
				✓ CROWN SAVER.
				✓ BRAKES AND LINKAGES.

NOTES: POWER BROWN: 1 TIME EACH U ON THE RACK 430 - 1500

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10			NONE	20159 kg

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT	125	.23 m
1	MOTOR	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSE SUB		1.35 m
1	TOP X/O		.50 m
2	NMDC		18.69 m
1	JARS		9.92 m
40	HWDP		367.91 m
			m
	BHA		409.15 m
45	D.P. STANDS		2715.32 m
	D.P. SINGLES		9.68 m
	KELLY DOWN		9.85 m
	TOTAL		3144 m

WT. OF DC BHA 15 000 (1000 daN)

WT. OF STRING 64 000 (1000 daN)

BIT RECORD

BIT NO.	5
SIZE (mm)	152
IADC CODE	537
MFG.	SMITH
TYPE	F3
SERIAL NO.	LP9256
JETS (mm)	27 27 27
DEPTH OUT (m)	0/B
DEPTH IN (m)	3131.
TOTAL METRES DRILLED (m)	13
TOTAL HOURS RUN	5.0

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 4-10 daN

TORQUE AT BOTTOM 75-90 UNITS

FILL ON BOTTOM (m) 3.00

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	1000	1200	1500
DENSITY kg/m³	1050	1060	1060
FUNNEL VIS. - (S/L)	67	64	60
W.L. (cm³)			
pH			
PVT	14.5	94.8	95.3

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
LIME	20 sks
H50 600	5 pails

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRLG RMR CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3131	3144	13	40/90	B-10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11800	114	110	114	

REDUCED PUMP SPEED

4500 @ 62 @ 3147m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3123.55	80.4°	220.97
~~3133.23~~	~~79.9°~~	~~220~~

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1015	2¼	3	REAM FROM 3090m - BOTTOM - (2m FILL)
1015	1515	5	2	DRILL 3131m - 3144m
1515	1530	¼	20	DIRECTIONAL SURVEY
1530	1600	½	23	DIVERT FLOW TO ENTEST & ATTEMPT TO ESTABLISH FLOW BACK TO SHAKER

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		77 000	SAFETY W/ ENTEST	20159

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT	125	.23 m
1	MOTOR	125	5.47 m
1	FLOAT SUB	112	.59 m
1	NMDC	125	9.49 m
1	PULSE SUB		1.35 m
1	TOP X/O		.50 m
2	NMDC		18.69 m
1	JARS		9.92 m
40	HWDP		367.91 m
			m
	BHA		409.15 m
96	D.P. STANDS		2741.40 m
	D.P. SINGLES		m
	KELLY DOWN		13.08 m
	TOTAL		3166 m

WT. OF DC BHA. 15 000 (1000 daN)

WT. OF STRING 64 000 (1000 daN)

BIT RECORD

BIT NO.	5
SIZE (mm)	152
IADC CODE	537
MFG.	SMITH
TYPE	F3
SERIAL NO.	LP9256
JETS (mm)	27 27 27
DEPTH OUT (m)	0/B
DEPTH IN (m)	3131
TOTAL METRES DRILLED (m)	35
TOTAL HOURS RUN	11¾

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 4-10 daN

TORQUE AT BOTTOM 75-90 UNITS

FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	1800	2200	2400
DENSITY kg/m³	1065	1065	1060
FUNNEL VIS. - (S/L)	56	57	57
W.L. (cm³)			
pH			
PVT	90.7	92.4	92.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

Cent #2

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRLG RMR CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3144	3166	22	40/90	8-10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11800	114	110	114	

REDUCED PUMP SPEED

4600 @ 64 @ 3164m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3133.23	79.9°	220
3143.76	79.7°	219.10
3152.24	79.8	217.17

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1700	1.0	2	DRILL 3144m - 3147m
1700	1715	¼	7	RIG SERVICE ✓ BOTTOM PIPE RAMS 6 SEC
1715	1730	¼	23	ESTABLISH FLOW RATES THROUGH ENTEST
1730	2315	5¾	2	DRILL 3147m - 3166m
2315	2400	¾	20	DIRECTIONAL SURVEYS.

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		77,000	NONE	20159

FOLD HERE ➔

072251

LICENCE NO.:	WELL NAME AND NO.:
WH 157	PARAMOUNT ET AL BOVIE C76A

OPERATOR:	CONTRACTOR:
PARAMOUNT	**PRECISION DRILLING**
SURFACE LOCATION: LAT 60° 20' LONG 122° 45'	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:	SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS — OPR. / R.M.

(1) Daily Walk Around Inspection — Initial / Initial
(2) Detailed Inspection-Weekly (using checklist) — Initial / Initial
(3) H2S Signs Posted (if required) — Initial / Initial
(4) Well License & Stick Diagram Posted — Initial / Initial
(5) Flare Lines Staked — Initial / Initial
(6) BOP Drills Performed — Initial / Initial
(7) Visually inspect BOP's - Flowlines & Degasser Lines — Initial / Initial

(1) Rig Site Health and Safety Meeting (one/crew/month) — Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month) — Initial
(3) Mast Inspection Before Raising or Lowering — Initial
(4) Crown Saver Checked — Initial
(5) Motor Kills checked — Initial

YEAR	MONTH	DAY

RIG NO. 407

FUEL @ 8:00 — RIG / BOILER

WEATHER	
TEMPERATURE	25 °C
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS
89	23.06	E	65	120.6	IF	214
89	23.06	X95	65	123.5	IF	150
89	35.5	HW	67	120.6	IF	50

PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
A600PT	OILWELL	203
A600PT	OILWELL	203

TIME - HRS

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTALS
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.	INSTALL BEARING	W.O. TOOLS				
MORN.					1	3 3/4	1/4		1/2													1/2					8
DAY																							8				8
EVE.						4 1/4	1/4													3			3/4				8
TOTAL					1	10	1/2		1/2											2 3/4		1/2	8 3/4				24

SHALE SHAKER(S)

NO. TYPE

SCREENS CHANGED ☐ YES ☐ NO

TOP 110	TOP
MIDDLE	MIDDLE
BOTTOM 110	BOTTOM

RENTALS/SERVICES — MORN. / DAY / EVE.

M3 TOTAL - 3665
M3 ACCM - 17362.1
LENGTH - 1478.29
FUEL @ 0600 - 22,254

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.23 m
1	BIT SUB	119	.79 m
40	HWDP		367.91 m
	BHA		368.93 m
68	D.P.	STANDS	
XX	D.P.	SINGLES	1953.28 m
	KELLY DOWN		m
	TOTAL		m
	WT. OF DC BHA	14,000	1000 daN
	WT. OF STRING	48,000	1000 daN

BIT RECORD

BIT NO.	2RR
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	DQ 8327
SERIAL NO.	EHP53
JETS (mm)	27 27 95
DEPTH OUT (m)	
DEPTH IN (m)	3131
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T1 / T2 / MDC / LOC / B / Gage / ODC / Reason Pulled / Total Run m/hr.

HOLE CONDITION: HOLE DRAG / TORQUE AT BOTTOM / FILL ON BOTTOM (m)

MUD RECORD — MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0800
DENSITY kg/m³	1055
FUNNEL VIS. - (S/L)	78
W.L. (cm³)	
pH	
PVT	92.1

MUD MATERIALS ADDED — PRODUCT / AMOUNT X UNIT

SOLIDS CONTROL — DESILTER: HOURS RUN / INTAKE DENSITY (kg/m) / OVERFLOW DENSITY (kg/m) / UNDERFLOW DENSITY (kg/m); CENTRIFUGE: HOURS RUN / INTAKE DENSITY / OVERFLOW DENSITY / UNDERFLOW DENSITY

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3131				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	S.P.M.	PUMP NO. 2 LINER SIZE (mm)	S.P.M.
	114		114	

REDUCED PUMP SPEED: @ / @

DEVIATION SURVEY: DEPTH (m) / DEVIATION (°) / DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0245	2 3/4	6	TRIP IN HWDP - BREAK & REDOPE & RETORQUE
0245	0300	1/4	7	RIG SERVICE ✓ TOP PIPE RAMS 7 SEC
0300	0600	3	6	TRIP IN. FLOW ✓ @ ~~1312m~~, 1325m, 2231m
0600	0630	1/2	22	INSTALL BEARING ASSEMBLY.
0630	0700	1/2	9	SLIP & CUT 13.71m DRILLING LINE
0700	0800	1	5	CIRC (BTK CIRC) WAIT ON TOOLS.
				DP 206 JTS / GRADE E

NOTES: BOILER BLOWN - 1 TIME. ✓ CROWN SAVER.

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10			NONE	20,417

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.23 m
1	BIT SUB	119	.79 m
40	HWDP		367.91 m
	BHA		368.93 m
68	D.P.	STANDS	1934.14 m
2	D.P.	SINGLES	19.14 m
	KELLY DOWN		m
	TOTAL		2322 m
	WT. OF DC BHA	14000	1000 daN
	WT. OF STRING	48000	1000 daN

BIT RECORD

BIT NO.	2RR
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	27 27 95
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T1 / T2 / MDC / LOC / B / Gage / ODC / Reason Pulled / Total Run m/hr.

HOLE CONDITION: HOLE DRAG / TORQUE AT BOTTOM / FILL ON BOTTOM (m)

MUD RECORD — MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0900	1200	1500
DENSITY kg/m³	1060	1055	1055
FUNNEL VIS. - (S/L)	67	61	60
W.L. (cm³)			
pH			
PVT	92.3	92.5	92.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
LIME	20 sxs
BARITE	15 sxs

SOLIDS CONTROL — DESILTER / CENTRIFUGE: HOURS RUN / INTAKE DENSITY / OVERFLOW DENSITY / UNDERFLOW DENSITY

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3131				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	S.P.M.	PUMP NO. 2 LINER SIZE (mm)	S.P.M.
4900	114	80	114	

REDUCED PUMP SPEED: 2600 @ 58 @

DEVIATION SURVEY: DEPTH (m) / DEVIATION (°) / DIRECTION

* BOILER BLOWN - 1 TIME

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1600	8	23	CIRCULATE WHILE WAITING ON DIRECTIONAL TOOLS

* 400 LTRS DIESEL ADDED TO DIESEL WASHUP
200 LTRS DIESEL ADDED TO LOADER

CREW HELD H2S (B.O.P) DRILL + EVERYONE RESPONDED & IN POSITION WITH WELL SECURE IN 150 SEC
* SWACO CHOKE CLOSED FULLY IN 20 SEC

NOTES: CREW HELD SAFETY MEETING WITH SAFETY BOSS REPRESENTATIVE - ALL CREW MEMBERS DONNED SCBA

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		48000	H2S + BOP DRILL	20159 kPa

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			~~.23~~ .23 m
1	MOTOR	125	5.47 m
1	FLOAT SUB	112	.57 m
1	NMDC	125	9.49 m
1	PULSER SUB		1.35 m
2	NMDC		18.67 m
1	JARS		4.92 m
40	HWDP		367.91 m
1	TOP X/O		.50 m
	BHA		409.15 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
	WT. OF DC	15 000	1000 daN
	WT. OF STRING		1000 daN

BIT RECORD

BIT NO.	2RR	5
SIZE (mm)	152	152
IADC CODE	5 3 7	5 3 7
MFG.	REED	SMITH
TYPE	EHP53	LP9256A
SERIAL NO.	DQ8327	F3
JETS (mm)	27 27 95	27 27 27
DEPTH OUT (m)		
DEPTH IN (m)		3131
TOTAL METRES DRILLED (m)		
TOTAL HOURS RUN		

CUTTING STRUCTURE: T1 / T2 / MDC / LOC / B / Gage / ODC / Reason Pulled / Total Run m/hr.

HOLE CONDITION: HOLE DRAG / TORQUE AT BOTTOM / FILL ON BOTTOM (m)

MUD RECORD — MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME / DENSITY kg/m³ / FUNNEL VIS. - (S/L) / W.L. (cm³) / pH

MUD MATERIALS ADDED — PRODUCT / AMOUNT X UNIT

SOLIDS CONTROL — DESILTER / CENTRIFUGE: HOURS RUN / INTAKE DENSITY / OVERFLOW DENSITY / UNDERFLOW DENSITY

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3131				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	S.P.M.	PUMP NO. 2 LINER SIZE (mm)	S.P.M.
	114		114	

REDUCED PUMP SPEED: @ / @

DEVIATION SURVEY: DEPTH (m) / DEVIATION (°) / DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1645	3/4	23	CIRC WHILE WAITING ON DIR TOOLS, PUMP PILL
1645	2100	4 1/4	6	FLOW CHECK, LINE BRG ASSEMBLY & TRIP OUT, FLOW ✓ @ 2161m (5 STDS) @ 1319m (35 STDS) HWDP 76m
2100	~~2400~~ 2315	2 1/4	20	PICK UP DIR TOOLS, ✓ MWD TOOL ORIENT MUD MOTOR
2315	2400	1/4	7	RIG SERVICE
				MAKE UP DIR TOOLS, REBREAK, REDOPE AND RETORQUE.

NOTES: BOILER BLOWN - 1 TIME. TRIP RECORD CALC 7.93 DIFF

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8			48 000	NONE	20,159

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072250

LICENCE NO.: WIR 0187 | WELL NAME AND NO.: PARAMOUNT ET AL DOVE C76A

OPERATOR: PARAMOUNT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: SAT 60° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: E. Rose | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR 98 | MONTH 12 | DAY 29 | RIG NO. 507

FUEL @ 8:00

RIG | BOILER

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

WEATHER

	°C
TEMPERATURE	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.06	E	65	120.6	IF	218	AGOOPT	OILWELL	203
89	23.06	X95	65	123.8	IF	150	AGOOPT	OILWELL	203
89	35.5	HW	67	120.6	IF	50			

TIME-HRS

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.	BOP BEARING ASSEMBLY				
MORN.	6.75				1 1/4	1/4	1/2													1/4						
DAY		5			3/4	1														1 1/4						
EVE							1/4															1/2				
TOTAL	11				2.0	1 1/2														1 1/2		1/2				

TOTALS

SHALE SHAKER(S)

NO. 1 TYPE SWACO

SCREENS CHANGED ☐ YES ☑ NO

TOP 110 | TOP

MIDDLE | MIDDLE

BOTTOM 110 | BOTTOM

RENTALS/SERVICES — MORN | DAY | EVE

M3 TOTAL

M3 ACCUM

LENGTH

FUEL 1.82 26663

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.23 m
	1.83° MOTOR	126	5.62 m
	FLOAT SUB	118	.40 m
	NMDC	118	9.29 m
	PULSER SUB	132	1.35 m
	TOP X/O	120	.45 m
2	NMDC	113/115	17.05 m
	JARS	120	4.95 m
40	HWDP		367.91 m
	BHA		407.25 m
			m
94	D.P.	STANDS	m
2	D.P.	SINGLES	2.55 m
	KELLY DOWN		8.17 m
	TOTAL		3121 m
WT. OF DC	BHA	16,000	1000 daN
WT. OF STRING		64,000	1000 daN

BIT RECORD

BIT NO.	4
SIZE (mm)	152
IADC CODE	537X
MFG.	SMITH
TYPE	F3
SERIAL NO.	LT5367
JETS (mm)	27/27/27
DEPTH OUT (m)	IN
DEPTH IN (m)	3073
TOTAL METRES DRILLED (m)	48
TOTAL HOURS RUN	19 1/4

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 4-16 DN

TORQUE AT BOTTOM 50-75 UNITS

FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0130	03:30	07:00
DENSITY kg/m³	1055	1060	1055
FUNNEL VIS. - (S/L)	60	58	55
W.L. (cm³)			
pH			
P.V.T.	98.3	98.5	98.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3107	3121	14	60/60	5/10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11,600	114	110	114	

REDUCED PUMP SPEED

6200 @ 73 @ 3107m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3102.23	~~220.7~~ 83.9	220.8

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0015	1/4	6	FINISH RUNNING BOP
0015	0045	1/2	5	FLOW ✓ @ CIRC BTMS UP CIRC THROUGH CHOKE
0045	0130	3/4	5	CIRC. TRIP-UP THROUGH CHOKE
0130	0500	3 1/2	2	DRILL 3107m - 3116m
0500	0515	1/4	7	RIG SERVICE ✓ TOP DRIVE BOOTS & SEC.
0515	0530	1/4	20	DIRECTIONAL SURVEY
0530	0600	1/2	2	DRILL 3116m - 3117m
0600	0800	2	2	DRILL 3117m - 3121m
				66-X95 DP

NOTES: BOILER BLOWN (2 HOURS) : 1 TIME INSPECT DEGASSER LINES
OIL changed in Coyote Rental

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		82,000	NONE	20,159

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.23 m
1	1.83° MOTOR	126	5.62 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOP X/O	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA.		407.25 m
			m
95	D.P.	STANDS	2715.32 m
	D.P.	SINGLES	m
	KELLY DOWN		8.43 m
	TOTAL		3131 m
WT. OF DC	BHA.	16,000	1000 daN
WT. OF STRING		64,000	1000 daN

BIT RECORD

BIT NO.	4
SIZE (mm)	152
IADC CODE	537X
MFG.	SMITH
TYPE	F3
SERIAL NO.	LT5367
JETS (mm)	27/27/27
DEPTH OUT (m)	3131
DEPTH IN (m)	3073
TOTAL METRES DRILLED (m)	58
TOTAL HOURS RUN	24 1/4

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 4-16 DN

TORQUE AT BOTTOM 0-250

FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	1000	1400	
DENSITY kg/m³	1050	1050	
FUNNEL VIS. - (S/L)	56	56	
W.L. (cm³)			
pH			
P.V.T.	98.3	97.0	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
BARITE	15 SKS.

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3121	3131	10	60/60	5/10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
11,200	114	110	114	

REDUCED PUMP SPEED

5800 @ 70 @ 3125m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3112.91	84.2	221.0

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0500	1300	5	2	DRILL 3121m - 3131m
1300	1415	1 1/4	20	DIRECTIONAL SURVEYS.
1415	1500	3/4	5	CIRC. PRIOR TO TRIP
1500	1600	1	6	FLOW ✓ @ 3122m. PUMP DRILL & TRIP OUT
				FLOW ✓ @ 6 STDS 2979m.

NOTES: BOILER BLOWN - 1 TIME.

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		82,000	NONE	20,419

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.23 m
1	BIT SUB	119	.79 m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	4	2RR
SIZE (mm)	152	152
IADC CODE	537X	537
MFG.	SMITH	REED
TYPE	F3	DR2327M
SERIAL NO.	LT5367	EHP53
JETS (mm)	27/27/27	22/20/13
DEPTH OUT (m)	3131	
DEPTH IN (m)	3073	
TOTAL METRES DRILLED (m)	58	
TOTAL HOURS RUN	24 1/4	

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME			
DENSITY kg/m³	TR		
FUNNEL VIS. - (S/L)			
W.L. (cm³)		TP	
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3131				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114		114	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1700	1.0	6	TRIP OUT SLOWLY TO 2682m
1700	1730	1/2	22	PULL R.B.O.P. BEARING ASSEMBLY, INSTALL DUMMY
1730	2000	2 1/2	6	HOIST BIT #4 FLOW ✓ @ 1322m (45 STDS)
2000	2015	1/4	7	RIG SERVICE ✓ HYDRIL 12 SEC
2015	2145	1 1/2	6	HOIST BIT #4 FLOW ✓ @ 688m. BLOW DOWN BANK
2145	2315	1 1/2	23	L/D JARS, 2 NMDC'S, D.C. PULSER, NMDC & MOTOR DUE TO DAMAGE WHILE DRILLING
2315	2400	3/4	6	MAKE UP BIT, BIT SUB & TRIP IN HWDP - BREAK - CLEAN CONNECTIONS & RE TORQUE EACH JT

NOTES: TRIP RECORD: CALC 10.77
ACT 11.67 = 788 MTRS

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

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072249

LICENCE NO.: WID 187 | WELL NAME AND NO.: PARAMOUNT ET AL BOVIE C7-9

OPERATOR: PARAMOUNT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 66° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS — OPR. / R.M.

(1) Daily Walk Around Inspection — Initial / Initial
(2) Detailed Inspection-Weekly (using checklist) — Initial / Initial
(3) H²S Signs Posted (if required) — Initial / Initial
(4) Well License & Stick Diagram Posted — Initial / Initial
(5) Flare Lines Staked — Initial / Initial
(6) BOP Drills Performed — Initial / Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines — Initial / Initial

(1) Rig Site Health and Safety Meeting (one/crew/month) — Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month) — Initial
(3) Mast Inspection Before Raising or Lowering — Initial
(4) Crown Saver Checked — Initial
(5) Motor Kills checked — Initial

YEAR 98 | MONTH 12 | DAY 23 | RIG NO. 507

FUEL @ 8:00 — RIG | BOILER

WEATHER

	TEMPERATURE °C	CURRENT CONDITIONS	WIND DIRECTION	ROAD
8:00				
12:00				
16:00				
20:00				

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

	DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (m)
	89	23.06	E	65	120.6	IF	218	ALOOPT	OILWELL	203
	89	23.06	X95	65	123.8	IF	150	ALOOPT	OILWELL	203
	89	25.5	HW	67	120.6	IF	50			

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23 EnTest	24 SHUT WELL IN	25 FLOW ✓	26
	MORN.	1	13 3/4			3/4		1/4																		
	DAY					8																				
	EVE.				6 3/4		1	1/4																		
	TOTAL	1			6 3/4	1	1	1/2													1/4	3/4	1 1/4	3/4	1/4	

TOTALS

8	
8	
8	
24	

SHALE SHAKER(S)

NO. 1 | TYPE 5 PANEL

SCREENS CHANGED ☐ YES ☐ NO

TOP	TOP
MIDDLE	MIDDLE
BOTTOM	BOTTOM

RENTALS/SERVICES — MORN. | DAY | EVE.

MT TOTAL = 1555
MT ACCM = 16844
LENGTH = 1492 m
FUEL 1.95m. 13256

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83		.23 m
1	MOTOR	126	5.62 m
1	FLEXT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOPX/O	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.25 m
			m
94	D.P.	STANDS	2856.20 m
1	D.P.	SINGLES	205.90 m
	KELLY DOWN		12.65 m
	TOTAL		3476.75 m

WT. OF DC BHA 16,000 1000 daN
WT. OF STRING 64,000 1000 daN

BIT RECORD

BIT NO.	4
SIZE (mm)	152
IADC CODE	537X
MFG.	SMITH
TYPE	F3
SERIAL NO.	LT5367
JETS (mm)	27 27 23
DEPTH OUT (m)	IN
DEPTH IN (m)	3073
TOTAL METRES DRILLED (m)	34
TOTAL HOURS RUN	13 3/4

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 3-15 DN
TORQUE AT BOTTOM —
FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	00:45	07:30	06:40
DENSITY kg/m³	970	975	970
FUNNEL VIS. - (S/L)	60	60	58
W.L. (cm³)			
pH			
P.V.T.	99.6	90.9	95.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3106	3107	#1	90	

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10,500	114		114	

REDUCED PUMP SPEED

5200 @ 71 @ 3014m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3095.3	81.0	221.6

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0345	3 3/4	5	CIRC & CONDITION WELL - WORK STRING WAIT ON 2-WAY COMMUNICATIONS
0345	0430	3/4	21	SAFETY MEETING W/ALL LOCATION PERSONNEL
0430	0445	1/4	7	RIG SERVICE
0445	0600	1 1/4	12	CIRC & WAIT ON ENTEST
0600	0615	1/4	20	DIRECTIONAL SURVEY
0615	0715	1	2	DRILL 3106m - 3107m
0715	0800	3/4	23	SHUT IN WELL MONITOR PRESSURES PRESSURES 0. CIRC OUT GAS.

NOTES: BOILER BLOWN: 1

DRILLER SIGNATURE

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		80,000	DRILLING W/CASED SYSTEMS	21,720

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83		.23 m
1	MOTOR	126	5.62 m
1	FLEXT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOPX/O	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA.		407.25 m
			m
94	D.P.	STANDS	2856.20 m
	D.P.	SINGLES	270 m
	KELLY DOWN		12.65 m
	TOTAL		3107 m

WT. OF DC BHA. 16,000 1000 daN
WT. OF STRING 64,000 1000 daN

BIT RECORD

BIT NO.	4
SIZE (mm)	152
IADC CODE	537X
MFG.	SMITH
TYPE	F3
SERIAL NO.	LT5367
JETS (mm)	27 27 23
DEPTH OUT (m)	IN
DEPTH IN (m)	3073
TOTAL METRES DRILLED (m)	34
TOTAL HOURS RUN	13 3/4

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 3-15 DN
TORQUE AT BOTTOM —
FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	10:00	14:00	16:00
DENSITY kg/m³	1000	1015	1020
FUNNEL VIS. - (S/L)	60	58	57
W.L. (cm³)			
pH			
P.V.T.	46.2		

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
CaCl2 Mix	1 BBL
Lime	20 SxS.
Diesel	15 SxS.
Barite	494 SxS.
Flo-Dry	3 SxS.

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3107			90	

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
7500	114	90	114	

REDUCED PUMP SPEED

5400 @ 70 @ 3022m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1300	5	5	CIRC THROUGH DEGASSER & WEIGHT UP.
1300	1600	3	5	CIRC WT UP & GOING OVER SHAKER.

NOTES: BOILER BLOWN: 1 TANK. FUEL ADDED TO RIG TANK: HAD FIRE DRILL IN CAMP 16,116 L.

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		80,000	W/SAFETY TOPIC	21,460

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83		.23 m
1	MOTOR	126	5.62 m
1	FLEXT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOPX/O	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.25 m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC BHA 16,000 1000 daN
WT. OF STRING 64,000 1000 daN

BIT RECORD

BIT NO.	4
SIZE (mm)	152
IADC CODE	537X
MFG.	SMITH
TYPE	F3
SERIAL NO.	LT5367
JETS (mm)	27 27 23
DEPTH OUT (m)	IN
DEPTH IN (m)	3073
TOTAL METRES DRILLED (m)	34
TOTAL HOURS RUN	13 1/4

CUTTING STRUCTURE: T1 | T0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 3-15 DN
TORQUE AT BOTTOM —
FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	20:00	22:15	
DENSITY kg/m³	1040	1050	
FUNNEL VIS. - (S/L)	58	58	
W.L. (cm³)			
pH			
P.V.T.	98.6	98.6	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
BARITE	69.5xS

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3107				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
9200	114	105		

REDUCED PUMP SPEED

6500 @ 75 @ 3090m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1645	3/4	5	CIRC & MONITOR WELL & WORK STRING
1645	1700	1/4	7	RIG SERVICE
1700	2245	5 1/4	5	CIRC & MONITOR WELL & WORK STRING
2245	2300	1/4	24	PUMP FILL & FLOW ✓
2300	2400	1	6	WIPER TRIP 10 STDS.
				RSPP 6200kPa @ 73 SPM @ 1050 daN WT.

NOTES: CHANGE OUT SIGNCO PANAL - FUNCTION TESTED OK

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10				

FOLD HERE →

072248

LICENCE NO.: WIW 187 | WELL NAME AND NO.: PARAMOUNT ET AL 3DOIL c76A

OPERATOR: PARAMOUNT | CONTRACTOR: **PRECISION DRILLING**

SURFACE LOCATION: LAT 60° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS (OPR. / R.M.)
(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (using checklist)
(3) H²S Signs Posted (if required)
(4) Well Licensee & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually inspect BOP's - Flarelines & Degasser Lines
(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills checked

YEAR 96 | MONTH 12 | DAY 27 | RIG NO. 507 | **FUEL @ 8:00** | RIG | BOILER

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

WEATHER

TEMPERATURE °C	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

OC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.06	E	108	65	31	218	ALOPT	CIRWELL	203
89	23.06	X95	078	65	31	150	ALOPT	CIRWELL	203
89	35.7	HW	076	67	31	90			

TIME-HRS

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
OPER:	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.	SHUT-IN	KILL WELL	BOPTEST	RIGGING	FLOW
MORN.		3¼																				¼	4½			
DAY					3¾																		1¾	2	¼	¼
EVE.					3¼		¼																4¼		¼	
TOTAL		3¼			7		¼															¼	10½	2	½	¼

TOTALS

8	
8	
8	
24	

SHALE SHAKER(S)

NO. | TYPE

SCREENS CHANGED ☐ YES ☐ NO

TOP | TOP

MIDDLE | MIDDLE

BOTTOM 110 | BOTTOM

RENTALS/SERVICES

	MORN.	DAY	EVE.
M2 ZONE 956			
M2 ACCM 167445			
LENGTH 1492m			
FUEL 0924			

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		23 m
	MOTOR	126	5.62 m
	FLOAT SUB	118	.40 m
	UBHO	118	9.29 m
	PULSE SUB	132	1.35 m
	TOP 4½	120	.45 m
2	NMDC	3¾/15	12.05 m
1	SAGS	124	4.95 m
110	HWDP		329.91 m
	BHA		367.25 m
94	D.P.	STANDS	m
1	D.P.	SINGLES	2695.90 m
	KELLY DOWN		2.55 m
	TOTAL		3106 m
WT. OF DC	BHA	16,000	1000 daN
WT. OF STRING		64,000	1000 daN

BIT RECORD

BIT NO.	4
SIZE (mm)	152
IADC CODE	537X
MFG.	SMITH
TYPE	F3
SERIAL NO.	LT5367
JETS (mm)	27 27 27
DEPTH OUT (m)	IN
DEPTH IN (m)	3073
TOTAL METRES DRILLED (m)	33
TOTAL HOURS RUN	11½

CUTTING STRUCTURE: T1 | T2 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 2-15 daN

TORQUE AT BOTTOM 25-35 UNITS

FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	01:00	04:00	06
DENSITY kg/m³	915	910	
FUNNEL VIS. - (S/L)	54	52	
W.L. (cm³)			
pH			
P.V.T.	71.9	70.9	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

3½

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR.O RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3096	3106	10	45/115	5/15

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10,000	114		114	

REDUCED PUMP SPEED @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0315	3¼	2	DRILL 3096m - 3106m
0315	0330	¼	32	SHUT IN WELL & ✓ PRESSURE, 360 kPa
0330	0500	1½	3	OPEN CHOKE & CIRC OUT - ✓ FOR H₂S
0500	0600	1	23	KILL WELL - MIX BARITE
0600	0800	2	23	KILL WELL - MIX BARITE THROUGH CHOKE
				CIRC @ 50 SPM - 6500 kPa 30 SPM @

NOTES: H₂S @ 5 PPM @ WATER TANK. SICP-300 kPa SIDPP-0. Lite tower 160 Litres Lite plant 1000 Litres of fuel

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		80,000	SHUT IN	21,720

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		+23 m
1	MOTOR	126	5.62 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSE SUB	132	1.35 m
1	TOP 4½	120	.45 m
2	NMDC	113/115	12.05 m
1	SAGS	124	4.95 m
110	HWDP		329.91 m
	BHA		367.25 m
94	D.P.	STANDS	m
1	D.P.	SINGLES	2695.90 m
	KELLY DOWN		2.55 m
	TOTAL		3106 m
WT. OF DC	BHA	16,000	1000 daN
WT. OF STRING		64,000	1000 daN

BIT RECORD

BIT NO.	4
SIZE (mm)	152
IADC CODE	537X
MFG.	SMITH
TYPE	F3
SERIAL NO.	LT5367
JETS (mm)	27 27 27
DEPTH OUT (m)	IN
DEPTH IN (m)	3073
TOTAL METRES DRILLED (m)	33
TOTAL HOURS RUN	11½

CUTTING STRUCTURE: T1 | T2 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 2-15 daN

TORQUE AT BOTTOM 25-35 UNITS

FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	10:00	12:00	16:00
DENSITY kg/m³	970	955	955
FUNNEL VIS. - (S/L)	58	52	58
W.L. (cm³)			
pH			
	75.9	100.0	82.1

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
Invert	25 m³
Barite	180 sx
Diesel	145 BBL
Base Mud	1 BBL

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR.O RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3106				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
9700	114	110	114	

REDUCED PUMP SPEED 5700 @ 25 @ 30 SPM

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0600	0945	1¾	23	CIRC THROUGH CHOKE & MIX BARITE.
0945			5	SHUT OFF PUMP, SHUT IN THE WELL MONITOR PRESSURES, PRESSURES 0 ON DP & CASING. OPEN ANNULAR CLOSE CHOKE, FLOW. BAR CIRC
	1245		33	WORK DRILL STRING & RIG UP ENTEST.
1245	1345	1	24	ENTEST EQUIPMENT FROZE OFF. THAW SET.
1345	1430	¾	5	CIRC & WORK DRILL STRING.
1430	1530	1	24	TRY ENTEST EQUIPMENT AGAIN.
1530	1545	¼	26	FLOW ✓ @ 3100m
1545	1600	¼	25	CHANGE BEARING ASSEMBLY.

NOTES: 564 l OF FUEL TO WASHBOURN. HELD SAFETY MTG WITH CREW, PEC & ENTEST PERSONAL. BOP DRILL 1 TOUR

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10.5		80,000	SHUT IN POND	21,720

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.23 m
	MOTOR	126	5.62 m
	FLOAT SUB	118	.40 m
	NMDC	118	9.29 m
	PULSE SUB	132	1.35 m
	TOP 4½	120	.45 m
2	NMDC	113/115	12.05 m
	SAGS	124	4.95 m
110	HWDP		329.91 m
	BHA		367.25 m
94	D.P.	STANDS	m
1	D.P.	SINGLES	2695.90 m
	KELLY DOWN		2.55 m
	TOTAL		3106 m
WT. OF DC		16,000	1000 daN
WT. OF STRING		64,000	1000 daN

BIT RECORD

BIT NO.	4
SIZE (mm)	152
IADC CODE	537X
MFG.	SMITH
TYPE	F3
SERIAL NO.	LT5367
JETS (mm)	27 27 27
DEPTH OUT (m)	IN
DEPTH IN (m)	3073
TOTAL METRES DRILLED (m)	33
TOTAL HOURS RUN	11½

CUTTING STRUCTURE: T1 | T2 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 2-15 daN

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	18:00	20:00	22:45
DENSITY kg/m³	955	970	970
FUNNEL VIS. - (S/L)	52	54	57
W.L. (cm³)			
pH			
P.V.T.		83.1	96.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
BARITE	595 sx
DIESEL	125 x

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR.O RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3106				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10,000	114	110	114	

REDUCED PUMP SPEED @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1615	¼	25	CHANGE BEARING ASSEMBLY.
1615	1630	¼	7	RIG SERVICE ✓ TOP DRIVE 7 SEC.
1630	1715	¾	5	CIRC & WORK DRILL STRING.
1715	2130	4¼	22	KILL WELL & CIRC THROUGH CHOKE, MIX BARITE.
2130	2400	2½	5	CIRC & CONDITION MUD - MIX OIL-BASE
				& WAIT ON 2-WAY COMMUNICATIONS

NOTES: BOILER BLOWDOWN TIME

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		72,000		21,720

FOLD HERE →

072247

LICENCE NO.: WID 187
WELL NAME AND NO.: PARAMOUNT ET AL BOVIE C-76A
OPERATOR: PARAMOUNT
CONTRACTOR: PRECISION DRILLING
SURFACE LOCATION: LAT 60° 20' LONG 122° 45'
UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS (OPR. / R.M.)
(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (using checklist)
(3) HS Signs Posted (if required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually inspect BOP's - Flarelines & Degasser Lines
(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills checked

YEAR 96 MONTH 12 DAY 26
RIG NO. 507
FUEL @ 8:00
RIG / BOILER

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

WEATHER

		DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
TEMPERATURE	°C	89	23.07	E	65	120.6	IF	218	NOV PT	OILWELL	203
CURRENT CONDITIONS		89	23.07	X95	65	127.4	IF	150	NOV PT	OILWELL	203
WIND DIRECTION		89	35.5	140	67	146	IF	50			
ROAD											

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
	MORN.						5¼	¼		½											1¼		¼	SHOT FL WELL	BOP DRILL	
	DAY		2¾				1¾														½		1		¼	
	EVE.		5¾					¼													1¾	½	¼			
	TOTAL		8¼				7	½		½											4	¼	¼	1	¼	

TOTALS: 8 / 8 / 8 / 24

SHALE SHAKER(S)
NO. 1 TYPE SWACO
SCREENS CHANGED ☐ YES ☐ NO
TOP 110 TOP
MIDDLE MIDDLE
BOTTOM 140 BOTTOM

RENTALS/SERVICES (MORN / DAY / EVE)
DIR TOTAL 7491
DIR ALUM 1673
LENGTH 1492
FUEL 22566

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83 MOTOR	126	5.62 m
	FLOAT SUB	118	.40 m
	NMDC	118	9.29 m
	PULSER SUB	132	1.35 m
	TCP X/O	120	.45 m
2	NMDC	113/115	17.05 m
	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.25 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC	10	16,000	1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	4
SIZE (mm)	152
IADC CODE	537X
MFG.	SMITH
TYPE	F3
SERIAL NO.	LT5367
JETS (mm)	2727273
DEPTH OUT (m)	
DEPTH IN (m)	3073
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T1 / To / MDC / LOC / B / Gage / ODC / Reason Pulled / Total Run m/hr.

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD
MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME
DENSITY kg/m³
FUNNEL VIS. - (S/L)
W.L. (cm³)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
BARITE	10T

SOLIDS CONTROL
DESILTER: HOURS RUN / INTAKE DENSITY (kg/m³) / OVERFLOW DENSITY (kg/m³) / UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE #1: 6 / 910 / 900 / 1690
Centrifuge #2
HOURS RUN / INTAKE DENSITY (kg/m³) / OVERFLOW DENSITY (kg/m³) / UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRD (RM-R CORE-C)	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3073				

CIRCULATION PRESSURE (kPa) / PUMP NO. 1 (LINER SIZE (mm) / S.P.M.) / PUMP NO. 2 (LINER SIZE (mm) / S.P.M.)
REDUCED PUMP SPEED: @ / @
DEVIATION SURVEY: DEPTH (m) / DEVIATION (°) / DIRECTION
DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0030	½	20	WORK ON MUD - NO PULSE
0030	0130	1	6	PULL BHA OUT - ENGAGE MWD
0130	0245	1¼	20	CHANGE OUT MWD & RE-ORIENT
0245	0600	3¼	6	RUN 7 STANDS SHALLOW TEST FLOW R.I.H. FILL EVERY 20 STDS FLOW
0600	0645	¾	6	R.I.H.
0645	0700	¼	22	INSTALL ROTATING HEAD
0700	0715	¼	7	RIG SERVICE
0715	0745	½	9	SLIP
0745	0800	¼	6	R.I.H.

NOTES: BOP DRILL: 1

BOILER: HRS. RAN 8 / ph 10 / STACK TEMP.
MAXIMUM EXPERIENCED HOOKLOAD
SAFETY TOPIC: NONE
M.A.C.P. 21720

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83 MOTOR	126	5.62 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TCP X/O	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA.		407.25 m
73	D.P.	STANDS	2657.44 m
1	D.P.	SINGLES	9.70 m
	KELLY DOWN		7.61 m
	TOTAL		3082 m
WT. OF DC	BHA.	16,000	1000 daN
WT. OF STRING		64,000	1000 daN

BIT RECORD

BIT NO.	4
SIZE (mm)	152
IADC CODE	537X
MFG.	SMITH
TYPE	F3
SERIAL NO.	LT5367
JETS (mm)	2727273
DEPTH OUT (m)	IN
DEPTH IN (m)	3073
TOTAL METRES DRILLED (m)	9m
TOTAL HOURS RUN	2¾

CUTTING STRUCTURE: T1 / To / MDC / LOC / B / Gage / ODC / Reason Pulled / Total Run m/hr.

HOLE CONDITION
HOLE DRAG: 2 - 10 daN
TORQUE AT BOTTOM: 20 - 50 UNITS.
FILL ON BOTTOM (m): —

MUD RECORD
MUD TYPE ☐ WATER BASED ☑ OIL BASED
TIME: 1200 / 1400 / 1600
DENSITY kg/m³: 910 / 910 / 910
FUNNEL VIS. - (S/L): 70 / 64 / 56
W.L. (cm³)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
LIME	40 SXS
BARITE	5 SXS

SOLIDS CONTROL
DESILTER: HOURS RUN / INTAKE DENSITY (kg/m³) / OVERFLOW DENSITY (kg/m³) / UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE: HOURS RUN / INTAKE DENSITY (kg/m³) / OVERFLOW DENSITY (kg/m³) / UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRD (RM-R CORE-C)	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3073	3082	9	45/115	5/15

CIRCULATION PRESSURE (kPa) / PUMP NO. 1 (LINER SIZE (mm) / S.P.M.) / PUMP NO. 2 (LINER SIZE (mm) / S.P.M.)
10,000 / 114 / 110 / 114
REDUCED PUMP SPEED: 3800 @ 60 @ 3077m
DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3061.97	72.3	222.9

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	0945	1¾	6	H/D 5 SINGLES & RIH TO 3015m (BRIDGE)
0945	1045	1	3	REAM FROM 3015m - 3035m
1045	1145	1	23	SHUT IN THE WELL & CIRC OUT KICK UP.
1145	1245	1	3	REAM FROM 3035m TO BTM.
1245	1530	2¾	2	DRILL 3073m - 3082
1530	1600	½	20	ACCUMULATED SURVEYS. WEEKLY ACCUMULATOR FUNCTION TEST. ACCUM PRES - 22,000 ANNULAR 14 SEC TOP PIPE 7 SEC. HCR 3 SEC. BTM PIPE 7 SEC TO CLOSE. 12,000 REMAINING ON ACCUMU. 2 MIN 15 SEC TO RECHARGE. 7000 RECHARGE

NOTES: BOILER BLOWN: 1 TIME. GREASE CROWN. ✓ MOTOR KILLS. FUEL ADDED - WATER MAKER 3600

BOILER: HRS. RAN 9 / ph 10 / STACK TEMP.
MAXIMUM EXPERIENCED HOOKLOAD
SAFETY TOPIC: NONE
M.A.C.P. 21720

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83 MOTOR	126	5.62 m
	FLOAT SUB	118	.40 m
	NMDC	118	9.29 m
	PULSER SUB	132	1.35 m
	TCP X/O	120	.45 m
2	NMDC	113/115	17.05 m
	JARS	124	4.95 m
40	HWDP		367.91 m
			m
73	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	4
SIZE (mm)	152
IADC CODE	537X
MFG.	SMITH
TYPE	F3
SERIAL NO.	LT5367
JETS (mm)	2727273
DEPTH OUT (m)	2D
DEPTH IN (m)	3073
TOTAL METRES DRILLED (m)	23
TOTAL HOURS RUN	8¼

CUTTING STRUCTURE: T1 / To / MDC / LOC / B / Gage / ODC / Reason Pulled / Total Run m/hr.

HOLE CONDITION
HOLE DRAG: 2 - 15 daN
TORQUE AT BOTTOM: 25 - 35 UNITS
FILL ON BOTTOM (m)

MUD RECORD
MUD TYPE ☐ WATER BASED ☑ OIL BASED
TIME: 1800 / 20:30 / 23:30
DENSITY kg/m³: 920 / 930 / 915
FUNNEL VIS. - (S/L): 56 / 60 / 55
W.L. (cm³)
pH: PVT 6.9 / 6.9 / 6.8.0

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
CaCl	35 x
INVERT	10m³

SOLIDS CONTROL
DESILTER: HOURS RUN / INTAKE DENSITY (kg/m³) / OVERFLOW DENSITY (kg/m³) / UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE: 4 / 920 / 910 / 1046
Centrifuge #2
4 / 920 / 910 / 1040

METRES DRILLED

FROM	TO	DRD (RM-R CORE-C)	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3082	3096	14	45/115	5/15

CIRCULATION PRESSURE (kPa) / PUMP NO. 1 (LINER SIZE (mm) / S.P.M.) / PUMP NO. 2 (LINER SIZE (mm) / S.P.M.)
10,000 / 114 / 110 / 114
REDUCED PUMP SPEED: 3800 @ 60 @ 60
DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3074.47	75.5	223.4
3083.53	76.3	222.9

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	2000	4	2	DRILL 3082m - 3087m
2000	2015	¼	24	B.O.P. DRILL - WELL SECURE 90 SEC
2015	2030	¼	21	SAFETY MEETING W/ALL LOCATION PERSONNEL
[illegible]				[illegible]
2030	2045	¼	7	RIG SERVICE ✓ ANNULAR 14 SEC.
2045	2215	1½	2	DRILL 3087m - 3096m
2215	2400	1¾	20	ACCUMULATED SURVEY TOP & DRILL

NOTES: BOILER BLOW 1 TIME

BOILER: HRS. RAN 8 / ph 10 / STACK TEMP.
MAXIMUM EXPERIENCED HOOKLOAD
SAFETY TOPIC: [illegible]
M.A.C.P. 21720

FOLD HERE →

072246

LICENCE NO.: WID 187 | WELL NAME AND NO.: PARAMOUNT ET AL BOUIE C76A

OPERATOR: PARAMOUNT | CONTRACTOR: **PRECISION DRILLING**

SURFACE LOCATION: LAT 60° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS — OPR. Initial / R.M. Initial

	OPR.	R.M.
(1) Daily Walk Around Inspection		
(2) Detailed Inspection-Weekly (using checklist)		
(3) H²S Signs Posted (if required)		
(4) Well License & Stick Diagram Posted		
(5) Flare Lines Staked		
(6) BOP Drills Performed		
(7) Visually inspect BOP's - Flarelines & Degasser Lines		
(1) Rig Site Health and Safety Meeting (one/crew/month)		
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		
(3) Mast Inspection Before Raising or Lowering		
(4) Crown Saver Checked		
(5) Motor Kills checked		

YEAR 96 | MONTH 12 | DAY 25 | RIG NO. 507

FUEL @ 8:00 | RIG | BOILER

WEATHER: TEMPERATURE °C | CURRENT CONDITIONS | WIND DIRECTION | ROAD

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.07	E	76.5	120.6	IF	218	9600PT	OILWELL	203
89	23.07	X95	65	123.8	IF	150	9600PT	OILWELL	203
89	25.5	X95	67	120.6	IF	50			

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23 REPAIRED HOLE IN DP
MORN.			6 3/4					1/4													1 1/2		
DAY			4 1/4			3/4	1 3/4														3/4	1/2	
EVE.							5 1/4	1/4													2 1/2		
TOTAL		1/2				3/4	7	1/2													4 3/4	1/2	

TOTALS

8																							
8																							
8																							
24																							

SHALE SHAKER(S)

NO. 1 TYPE SWACO

SCREENS CHANGED ☐ YES ☒ NO

TOP	TOP
110	
MIDDLE	MIDDLE
BOTTOM	BOTTOM
110	

RENTALS/SERVICES

	MORN	DAY	EVE
MI TOTAL 10545			
MD ALEM 144450			
LENGTH 1506m			
FUEL 20m 39036L			

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83		.20 m
1	MOTOR	126	5.35 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOP X/O	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		406.95 m
			m
22	D.P.	STANDS	m
2	D.P.	SINGLES	264/773 m
	KELLY DOWN		5.32 m
	TOTAL		3060 m
WT. OF DC	BHA	16.000	1000 daN
WT. OF STRING		63.500	1000 daN

BIT RECORD

BIT NO.	3
SIZE (mm)	152
IADC CODE	537
MFG.	VAREL
TYPE	FDS537-G
SERIAL NO.	137846
JETS (mm)	2727793
DEPTH OUT (m)	2N
DEPTH IN (m)	2862
TOTAL METRES DRILLED (m)	198
TOTAL HOURS RUN	44

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG	3-10 DAN
TORQUE AT BOTTOM	20-30 UNITS
FILL ON BOTTOM (m)	—

MUD RECORD

MUD TYPE ☐ WATER BASED ☒ OIL BASED

	00:30	03:30	07:00
TIME			
DENSITY kg/m³	905	905	905
FUNNEL VIS. - (S/L)	54	53	51
W.L. (cm³)			
pH			
P.V.T.	65	64.7	64.6

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
LIME	105x

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
/	/	/	/

CENTRIFUGE #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	900	1660

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3035	3060	25	90/90	7/8

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10,000	114	110	114	

REDUCED PUMP SPEED: 3800 @ 60 @ 3048m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3025.6	57.5	222.1
3035.35	60.5	221.4

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0430	4 1/2	2	DRILL 3035m - 3048m
0430	0445	1/4	7	RIG SERVICE V TOP DRIVE & SLIP
0445	0600	1 1/4	2	DRILL 3048m - 3052m
0600	0630	1/2	2	DRILL 3052m - 3060m
0630	0800	1 1/2	20	SECURING SURVEY TIME
				DP 218/E 60/X95 @ 08:00

NOTES: BOILER BLOWN: 1 TIME

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		70,000	NONE	21,220

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83		.20 m
1	MOTOR	126	5.35 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOP X/O	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA.		406.95 m
			m
93	D.P.	STANDS	3657.34 m
	D.P.	SINGLES	m
	KELLY DOWN		8.86 m
	TOTAL		3073. m
WT. OF DC		16,000	1000 daN
WT. OF STRING		63,500	1000 daN

BIT RECORD

BIT NO.	3
SIZE (mm)	152
IADC CODE	537
MFG.	VAREL
TYPE	FDS537-G
SERIAL NO.	137846
JETS (mm)	2727793
DEPTH OUT (m)	3073
DEPTH IN (m)	2862
TOTAL METRES DRILLED (m)	211
TOTAL HOURS RUN	48 1/4

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG	3-10 DAN
TORQUE AT BOTTOM	20-30 UNITS
FILL ON BOTTOM (m)	—

MUD RECORD

MUD TYPE ☐ WATER BASED ☒ OIL BASED

	1000	1600	
TIME			
DENSITY kg/m³	910	910	
FUNNEL VIS. - (S/L)	51	52	
W.L. (cm³)			
pH			
P.V.T.	64.5		

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
LIME	10 SKS
BARITE	15 SKS.

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
6	910	900	1660

CENTRIFUGE #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3060	3073	13	90/90	7/15

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10,000	114	110	114	

REDUCED PUMP SPEED: 3800 @ 60 @ 3067m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3045.04	63.5	218.0
3054.76	67.5	219.4
3060.15	70.2	218.6

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1215	4 1/4	2	DRILL 3060m - 3073m
1215	1300	3/4	20	ACCUMULATED SURVEYS.
1300	1345	3/4	5	CIRC PRIOR TO TRIP. STRAP OUT
1345	1415	1/2	22	REMOVE BEARING ASSEMBLY PUT IN DUMMY.
1415	1600	1 3/4	6	FLOW PUMP PILL & POOH FLOW V 5 STDS @ 2917m 45 STDS 1786m

NOTES: BOILER BLOWN: 1 FUEL ADDED WASHDOWN 360L

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10			NONE	21,220

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.5		.23 m
1	MOTOR	126	5.62 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOP X/O	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.25 m
			m
13	D.P.	STANDS	m
	D.P.	SINGLES	371.08 m
	KELLY DOWN		m
	TOTAL		778 m
WT. OF DC		16,000	1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	3	4
SIZE (mm)	152	152
IADC CODE	537	537X
MFG.	VAREL	SMITH
TYPE	FDS537-G	F3
SERIAL NO.	137846	LT5367
JETS (mm)	2727793	
DEPTH OUT (m)	3073	
DEPTH IN (m)	2862	
TOTAL METRES DRILLED (m)	211	
TOTAL HOURS RUN	48 1/4	

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

5 | 5 | IC | 4 | 6 | 9" | CT | PR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE ☐ WATER BASED ☒ OIL BASED

TIME			
DENSITY kg/m³			
FUNNEL VIS. - (S/L)			
W.L. (cm³)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3073				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114		114	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1945	3 3/4	6	TRIP OUT FLOW @ 1786m, 507m, BOOT
1945	2215	2 1/2	20	LAY DOWN MUD MOTOR & R/U SAMPLE
				INSTALL BIT & CIRCUIT - V BLIND RAMS
2215	2300	3/4	6	RUN IN 7 STDS & SHALLOW TEST FLOW V 230.
2300	2315	1/4	7	RIG SERVICE V ANNULAR 14 SEC.
2315	2400	3/4	6	RUN IN - FILL PIPE EVERY 20 STANDS FLOW V @ 3060m
				STRAP - 3065.47
				TALLY - 3064.29
				DIFF - 1.18
				TRIP BLOCK CALC 10.74
				MEAS 12.51
				DIFF 1.77 m

NOTES: BOILER BLOWN: 1 V CROWN SAVER

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10				

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072245

LICENCE NO.: WID 187
WELL NAME AND NO.: PARAMOUNT ET AL BOYLE C 76-A
OPERATOR: PARAMOUNT
CONTRACTOR: PRECISION DRILLING
SURFACE LOCATION: LAT 60° 20' LONG 122° 45'
UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS (OPR. / R.M.)
(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (using checklist)
(3) HPS Signs Posted (if required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines
(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills checked

YEAR 98 | MONTH 12 | DAY 24
RIG NO. 507
FUEL @ 8:00
RIG | BOILER

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.07	E	65	120.6	IF	28	A600PT	OILWELL	203
89	23.07	X95	65	123.8	IF	150	A600PT	OILWELL	203
89	35.5	HW	67	120.6	IF	50			

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
	MORN.		6¾					¼													1				
	DAY		7																		1				
	EVE.		6½					¼													1½				
	TOTAL		20¼					½													3¼				

TOTALS: 8 / 8 / 8 / 24

SHALE SHAKER(S): NO. 1 TYPE SWACO; SCREENS CHANGED ☐ YES ☐ NO; TOP 110 TOP; MIDDLE MIDDLE; BOTTOM 110 BOTTOM

RENTALS/SERVICES

	MORN.	DAY	EVE
M3 TOTAL 7528			
M3 ACCUM 161,173			
LENGTH 1506m			
FUEL 176 18459			

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83 MOTOR	126	5.35 m
	FLOAT SUB	118	.40 m
	NMDC	118	9.29 m
	PULSER SUB	132	1.35 m
	TOP X/O	120	.45 m
2	NMDC	113/115	17.05 m
	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		406.95 m
			m
90	D.P.	STANDS	m
	D.P.	SINGLES	2520.04 m
	KELLY DOWN		8.04 m
	TOTAL		2985 m
WT. OF DC	16,000	1000 daN	
WT. OF STRING	63,000	1000 daN	

BIT RECORD

BIT NO.	3
SIZE (mm)	152
IADC CODE	537
MFG.	VAREL
TYPE	ETD537G
SERIAL NO.	137546
JETS (mm)	20 20 20
DEPTH OUT (m)	IN
DEPTH IN (m)	2762
TOTAL METRES DRILLED (m)	123
TOTAL HOURS RUN	24¼

CUTTING STRUCTURE: T | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr

HOLE CONDITION
HOLE DRAG 3-10 DaN
TORQUE AT BOTTOM 15-30 UNITS
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	02:00	05:00	07:00
DENSITY kg/m³	900	900	900
FUNNEL VIS. - (S/L)	50	51	50
W.L. (cm³)			
pH			
P.V.T.	68.1	68.4	68.2

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
LIME	55x

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENT #2: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
8 | 900 | 890 | 1680

MORNING TOUR

METRES DRILLED

FROM	TO	DRLD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2752	2985	33	45/50	6/12

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10,000	114	110	114	

REDUCED PUMP SPEED: 3800 @ 61 @ 572

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
2948.21	38.5	221.9
2957.93	39.1	222.7
2967.32	40.7	224.9

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0415	4¼	2	DRILL 2752m - 2970m
0415	0430	¼	7	RIG SERVICE ✓ ANNULAR 14 SEC.
0430	0600	1½	2	DRILL 2970m - 2978m
0600	0700	1	2	DRILL 2978m - 2985m
0700	0800	1	20	ACCUMULATED SURVEY TIME

DP 218/E 52/x95 @ 08:00

NOTES: BOILER BLOWN - 1 TIME, fuel Added 1900 Litre Lite Tower 100 Litres Alpine Jerk - 500 Litres Loader

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		69 000	NONE	21 720

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	MOTOR 1.83	126	5.35 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOP X/O	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		406.95 m
			m
90	D.P.	STANDS	2570.01 m
2	D.P.	SINGLES	19.47 m
	KELLY DOWN		13.05 m
	TOTAL		3009 m
WT. OF DC	16,000	1000 daN	
WT. OF STRING	63,000	1000 daN	

BIT RECORD

BIT NO.	3
SIZE (mm)	152
IADC CODE	537
MFG.	VAREL
TYPE	ETD537G
SERIAL NO.	137546
JETS (mm)	20 20 20
DEPTH OUT (m)	IN
DEPTH IN (m)	2562
TOTAL METRES DRILLED (m)	147
TOTAL HOURS RUN	31¼

CUTTING STRUCTURE: T | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr

HOLE CONDITION
HOLE DRAG 3-10 DaN
TORQUE AT BOTTOM 15-30 UNITS
FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	1000	1400	1600
DENSITY kg/m³	910	910	910
FUNNEL VIS. - (S/L)	56	55	56
W.L. (cm³)			
pH			
P.V.T.	67.3	7.0	66.2

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
LIME	10 SKS

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENT #2: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
2 | 910 | 900 | 1690

DAY TOUR

METRES DRILLED

FROM	TO	DRLD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2985	3009	24	45/50	6/12

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10,000	114	110	114	

REDUCED PUMP SPEED: 3800 @ 60 @ 3009m

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
2977.04	43.1	222.4
2986.75	45.7	224.2
2996.48	48.6	223.7

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0600	1500	7	2	DRILL 2985m - 3009m
1500	1600	1	20	ACCUMULATED SURVEY TIME.

NOTES: BOILER BLOWN - 1 TIME. FUEL ADDED - 6001 WASHED OUT.

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		69 000	NONE	21 720

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	1.83 MOTOR	126	5.35 m
	FLOAT SUB	118	.40 m
	NMDC	118	9.29 m
	PULSER SUB	132	1.35 m
	TOP X/O	120	.45 m
2	NMDC	113/115	17.05 m
	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		406.95 m
			m
91	D.P.	STANDS	m
2	D.P.	SINGLES	26.18 m
	KELLY DOWN		9.42 m
	TOTAL		3035 m
WT. OF DC	16,000	1000 daN	
WT. OF STRING	63,000	1000 daN	

BIT RECORD

BIT NO.	3
SIZE (mm)	152
IADC CODE	537
MFG.	VAREL
TYPE	ETD537G
SERIAL NO.	137546
JETS (mm)	20 20 20
DEPTH OUT (m)	IN
DEPTH IN (m)	2562
TOTAL METRES DRILLED (m)	173
TOTAL HOURS RUN	37¼

CUTTING STRUCTURE: T | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr

HOLE CONDITION
HOLE DRAG 3-10 DaN
TORQUE AT BOTTOM 15-30 UNITS
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	1800	22:30	24:00
DENSITY kg/m³	910	910	910
FUNNEL VIS. - (S/L)	56	55	55
W.L. (cm³)			
pH			
P.V.T.	66.5	65.9	65.4

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENT #2: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
8 | 910 | 900 | 1680

EVENING TOUR

METRES DRILLED

FROM	TO	DRLD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
3009	3035	26	45/50	6/12

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10,000	114	110	114	

REDUCED PUMP SPEED: 3800 @ 61 @ 3009

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
3006.22	51.5	221.5
3015.93	54.1	222.9

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1615	¼	7	RIG SERVICE ✓ TOP PIPE RAMS 7 SEC.
1615	2245	6½	2	DRILL 3009m - 3035m
2245	2400	1¼	20	ACCUMULATED SURVEY TIME

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		70 000	NONE	21 720

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072244

LICENCE NO.: WID 187
WELL NAME AND NO.: PARAMOUNT ET AL BOUIE C76A
OPERATOR: PARAMOUNT
CONTRACTOR: PRECISION DRILLING
SURFACE LOCATION: LAT 60° 20' LONG 122° 45'
UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS (OPR. / R.M.)
(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (using checklist)
(3) H²S Signs Posted (if required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines

(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills checked

YEAR 96 | MONTH 12 | DAY 23
RIG NO. 507
FUEL @ 8:00
RIG | BOILER

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.07	E	65	127.6	IF	218	AGOOPT	OILWELL	203
89	23.07	X95	65	127.8	IF	150	AGOOPT	OILWELL	203
89	36.5	HW	67	120.6	IF	50			

TIME-HRS

CODE NO.	OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.	22	23	24	25	26
	MORN.		4¼				2¼	¼													¾		ROTATING HEAD ¼	C.T.B. ¼		
	DAY		6½																		1½					
	EVE.		7¼					¼													1					
	TOTAL		17½				2¼	½													¾		¼	¼		

TOTALS: 8 / 8 / 8 / 24

SHALE SHAKER(S): NO. 2; TYPE: SWACO
SCREENS CHANGED ☐ YES ☐ NO
TOP 110 | TOP
MIDDLE | MIDDLE
BOTTOM 110 | BOTTOM

RENTALS/SERVICES: MORN | DAY | EVE
MD TOTAL 7087
MD ACCUM 160732
LENGTH 1506m
FUEL 1.62m 23,733

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.20 m
1	1.83 MOTOR	126	5.35 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOPX10	120	.45 m
2	NMDC	113/115	17.05 m
	JARS	124	4.95 m
46	HWDP		367.91 m
			m
	BHA		406.95 m
86	D.P.	STANDS	m
2	D.P.	SINGLES	2473.55 m
	KELLY DOWN		9.50 m
	TOTAL		2890 m
WT. OF DC	16,000		1000 daN
WT. OF STRING	61,000		1000 daN

BIT RECORD

BIT NO.	3
SIZE (mm)	152
IADC CODE	537
MFG.	VAREL
TYPE	ETD537G
SERIAL NO.	137846
JETS (mm)	2 7 10 7 13
DEPTH OUT (m)	IN
DEPTH IN (m)	2862
TOTAL METRES DRILLED (m)	28
TOTAL HOURS RUN	4¼

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION
HOLE DRAG 3-8 DAN
TORQUE AT BOTTOM 15-25 UNITS
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	03:00	05:00	07:00
DENSITY kg/m³	910	905	905
FUNNEL VIS. - (S/L)	54	55	53
W.L. (cm³)			
pH			
P.V.T.	60.9	60.4	66.2

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
18	905	900	1160

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	900	1190

CENT #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	900	1160

MORNING TOUR

METRES DRILLED

FROM	TO	DRD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2862	2890	28	45/70	6/12

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10,200	114	110	114	

REDUCED PUMP SPEED: 4000 @ 60 @ 2874

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
2851.45	12.2	239.4
2861.14	12.9	244.1
2870.74	13.3	241.60

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0215	2¼	6	TRIP IN W FULL PIPE @ 2002m, 2568m,
0215	0230	¼	22	INSTALL BEARING ASSEMBLY
0230	0245	¼	23	CIRC TO BOTTOM
0245	0445	2	2	DRILL 2862m - 2874m
0445	0500	¼	7	RIG SERVICE ✓ ANNULAR 14 SEC
0500	0600	1	2	DRILL 2874m - 2880m
0600	0715	1¼	2	DRILL 2880m - 2890m
0715	C800	7¾	20	ACCUMULATED SURVEY TIME
				FLOW @ 2002m, 2568m & 2845m

NOTES: BOILER BLOWN: 1 TIME.

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		68,000	NONE	21,220

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.20 m
1	MOTOR 1.53	126	5.35 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOPX10	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.75 m
40	HWDP		367.91 m
			m
	BHA.		406.95 m
87	D.P.	STANDS	2483.27 m
x	D.P.	SINGLES	9.72 m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC	16,000		1000 daN
WT. OF STRING	63,000		1000 daN

BIT RECORD

BIT NO.	3
SIZE (mm)	152
IADC CODE	537
MFG.	VAREL
TYPE	ETD537G
SERIAL NO.	137846
JETS (mm)	2 7 10 7 13
DEPTH OUT (m)	IN
DEPTH IN (m)	2862
TOTAL METRES DRILLED (m)	51
TOTAL HOURS RUN	10¾

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION
HOLE DRAG 3-10 DAN.
TORQUE AT BOTTOM 15-25 UNITS.
FILL ON BOTTOM (m) —

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	1000	1200	1400
DENSITY kg/m³	905	905	905
FUNNEL VIS. - (S/L)	52	51	51
W.L. (cm³)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
BASE OIL	10 m³

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
7	905	900	1765

CENT #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	900	1675

DAY TOUR

METRES DRILLED

FROM	TO	DRD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2890	2913	23	45/60	6/12

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10,200	114	110	114	

REDUCED PUMP SPEED: 4000 @ 60 @ 2913.

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
2890.58	13.8	236.2
2890.63	18.7	238.4
2900.62	16.3	232.7

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1430	6½	2	DRILL 2890m - 2913m
1430	1600	1½	20	ACCUMULATED SURVEY TIME.

NOTES: BOILER BLOWN: 2 TIMES. DIESEL TO WASH GUN - 4200L. WATER HAULED 180 m³

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		69,000	NONE	21,220

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.20 m
1	1.83° MOTOR	126	5.35 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOPX10	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		406.95 m
89	D.P.	STANDS	m
	D.P.	SINGLES	2541.18 m
	KELLY DOWN		3.87 m
	TOTAL		2952 m
WT. OF DC	16,000		1000 daN
WT. OF STRING	63,000		1000 daN

BIT RECORD

BIT NO.	3
SIZE (mm)	152
IADC CODE	537
MFG.	VAREL
TYPE	ETD537G
SERIAL NO.	137846
JETS (mm)	2 7 10 7 13
DEPTH OUT (m)	IN
DEPTH IN (m)	2862
TOTAL METRES DRILLED (m)	90
TOTAL HOURS RUN	17½

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION
HOLE DRAG 3-10 DAN
TORQUE AT BOTTOM 15-25 UNITS
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	1800	20:00	23:00
DENSITY kg/m³	900	905	905
FUNNEL VIS. - (S/L)	55	52	53
W.L. (cm³)			
pH			
P.V.T.	64.4	69.8	68.9

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
0			

CENT #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	900	1410

EVENING TOUR

METRES DRILLED

FROM	TO	DRD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2913	2952	39	45/60	6/12

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10,200	114	110	114	

REDUCED PUMP SPEED: 3800 @ 60 @ 2952

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
2909.74	19.8	232.6
2919.11	23.3	230.4
2928.84	26.3	226
2938.53	29.8	225.9

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1715	1¼	2	DRILL 2913m - 2922m -
1715	1730	¼	7	RIG SERVICE. ✓ BTM PIPE RAMS 7 SEC
1730	2300	5½	2	DRILL 2922m - 2952m
2300	2400	1	20	ACCUMULATED SURVEY TIME

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		70,000	NONE	21,220

072243

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LICENCE NO.	WELL NAME AND NO.
WID 187	PARAMOUNT ET AL BOVIE C 76 A

OPERATOR	CONTRACTOR
PARAMOUNT	**PRECISION DRILLING**
SURFACE LOCATION: LAT 60° 20' LONG 122° 45'	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]	SIGNATURE OF CONTRACTOR'S RIG MANAGER: [signature]

DAILY CHECKS (OPR. / R.M.)

Check	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial RM
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial RM
(4) Well License & Stick Diagram Posted	Initial	Initial RM
(5) Flare Lines Staked	Initial	Initial RM
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR	MONTH	DAY
1998	12	22

RIG NO. 507

FUEL @ 8:00 — RIG: — BOILER: —

WEATHER: TEMPERATURE -19 °C; CURRENT CONDITIONS: —; WIND DIRECTION: —; ROAD: —

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS
89	23.07	E	65	120.6	IF	218
89	23.07	X95	65	123.8	IF	150
89	35.5		67	120.6	IF	50

PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
A600PT	OILWELL	203
A600PT	OILWELL	203

TIME - HRS

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTALS
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.	[illegible]	B.O.P. DRILL				
MORN.		6½					¼													1¼							8
DAY		1			¾	4														1¾		½					8
EVE.						3¾	¼								1¾					2			¼				8
TOTAL		7½			¾	7¾	½								1¾					5		½	¼				24

SHALE SHAKER(S): NO. 1, TYPE SWACO; SCREENS CHANGED ☐ YES ☐ NO; TOP 110 / TOP —; MIDDLE — / MIDDLE —; BOTTOM 110 / BOTTOM —

RENTALS/SERVICES (MORN / DAY / EVE)

MJ TOTAL 5779
MJ ACCUM 159421
LENGTH 1506
FUEL 11 720 ltrs

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.20 m
1	MOTOR 1.5	121	5.49 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	CB X/O		.43 m
1	UBHO	119	.37 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.44 m
85	D.P.	STANDS	2424.97 m
1	D.P.	SINGLES	9.73 m
	KELLYDOWN		7.86 m
	TOTAL		2850 m
WT. OF BHA	16000 (1000 daN)		
WT. OF STRING	60000 (1000 daN)		

BIT RECORD

BIT NO.	2 RR
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DD8327
JETS (mm)	27 27 27.3
DEPTH OUT (m)	0/B
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	194
TOTAL HOURS RUN	51¾
CUTTING STRUCTURE: T_I / T_O / MDC / LOC; B; Gage; ODC; Reason Pulled; Total Run m/hr.	

HOLE CONDITION

HOLE DRAG: 2-6 daN
TORQUE AT BOTTOM: 20-40 UNITS
FILL ON BOTTOM (m):

MUD RECORD — MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0200	0400	0600
DENSITY kg/m³	905	905	905
FUNNEL VIS. - (S/L)	50	51	50
W.L. (cm³)			
pH			
PVT	63.1	62.9	62.9

MUD MATERIALS ADDED — PRODUCT / AMOUNT X UNIT: —

SOLIDS CONTROL

	HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
DESILTER				
CENTRIFUGE #1	8	905	900	1776
CENT #2	8	905	900	1680

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2807	2850	43	40R 80 MTR	6-12

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	S.P.M.	PUMP NO. 2 LINER SIZE (mm)	S.P.M.
10000	114	110	114	

REDUCED PUMP SPEED: 3900 @ 61 @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
2794.00	10.9°	221.6 Az
2803.73	11.9°	221.2 Az
2813.45	12.0°	216.5 Az
2823.16	12.1°	220.9 Az
2832.49	11.9°	224.6 Az

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
0000	0330	3½	2	DRILL 152mm HOLE 2807m - 2826m
0330	0345	¼	7	RIG SERVICE
0345	0600	2¼	2	DRILL 152mm HOLE 2826m - 2840m
0600	0645	¾	2	DRILL 152mm HOLE 2840m - 2850m
0645	0800	1¼	20	ACCUMULATED SURVEY TIME

FUEL ADDED: COYOTE LIGHT PLT 772 ltrs. 400 ltrs diesel into [illegible]

NOTES: BOILER BLOWN. 1 TIME

DRILLER SIGNATURE: [signature]

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		65 000	NONE	24191 KPa

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1			.20 m
1	MOTOR	126	6.35 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOP X/O	120	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA.		406.95 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLYDOWN		m
	TOTAL		m
WT. OF DC	(1000 daN)		
WT. OF STRING	(1000 daN)		

BIT RECORD

BIT NO.	2 RR
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DD8327
JETS (mm)	27 27 27.3
DEPTH OUT (m)	2862
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	206
TOTAL HOURS RUN	52¾
CUTTING STRUCTURE: T_I / T_O / MDC / LOC; B; Gage; ODC; Reason Pulled: BHA; Total Run m/hr.	

HOLE CONDITION

HOLE DRAG: 3-7 daN
TORQUE AT BOTTOM:
FILL ON BOTTOM (m):

MUD RECORD — MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	08:00	10:15	
DENSITY kg/m³	905	905	
FUNNEL VIS. - (S/L)	51	50	
W.L. (cm³)			
pH			
P.V.T.	62.7	62.5	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
BARITE	155x

SOLIDS CONTROL

	HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
DESILTER				
CENTRIFUGE	8	905	900	1760
	8	905	900	1690

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2850	2862			

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	S.P.M.	PUMP NO. 2 LINER SIZE (mm)	S.P.M.
10,000	114	110	114	

REDUCED PUMP SPEED: 3900 @ 60 @ 2855

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
2842.22	11.6	235.0

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
0800	0900	1	2	DRILL 2850m - 2862m
0900	0945	¾	20	ACCUMULATED SURVEY TIME
0945	1030	¾	5	CIRC PRIOR TO TRIP.
1030	1100	½	22	PULL [illegible] ASSM. & PUT [illegible]
1100			6	PUMP PILL, FLOW 1/4 P.O.O.H. FLOW 1/4
	1500	4		@ [illegible] 2708m, 1441m, 407m & [illegible]
1500	1600	1	20	BREAK DOWN DIRECTIONAL TOOLS & LAY DOWN AND MOTOR

TRIP RECORD CALC 9.54m³
[illegible]
[illegible]

NOTES: BOILER BLOWN 1 TIME. [illegible] RAMS WHILE OUT OF THE HOLE.

DRILLER SIGNATURE: [signature]

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10				21720

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.20 m
1	MOTOR	126	5.35 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	TOP X/O	126	.45 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.75 m
40	HWDP		367.91 m
	BHA		406.95 m
49	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLYDOWN		m
	TOTAL		1442 m
WT. OF BHA	16 000 (1000 daN)		
WT. OF STRING	(1000 daN)		

BIT RECORD

BIT NO.	3
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	VAREL
TYPE	ETD 537G
SERIAL NO.	137846
JETS (mm)	27 27 27.3
DEPTH OUT (m)	
DEPTH IN (m)	2862
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	
CUTTING STRUCTURE: T_I / T_O / MDC / LOC; B; Gage; ODC; Reason Pulled; Total Run m/hr.	

HOLE CONDITION

HOLE DRAG:
TORQUE AT BOTTOM:
FILL ON BOTTOM (m):

MUD RECORD — MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME: — DENSITY kg/m³: — FUNNEL VIS. - (S/L): — W.L. (cm³): — pH: —

MUD MATERIALS ADDED — PRODUCT / AMOUNT X UNIT: —

SOLIDS CONTROL — DESILTER / CENTRIFUGE: HOURS RUN, INTAKE DENSITY (kg/m³), OVERFLOW DENSITY (kg/m³), UNDERFLOW DENSITY (kg/m³): —

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2862				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	S.P.M.	PUMP NO. 2 LINER SIZE (mm)	S.P.M.
10,000	114	110	114	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY — DEPTH (m) / DEVIATION (°) / DIRECTION: —

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS
1600	1645	¾	6	RIH W/ HWDP TO 470m
1645	1700	¼	7	RIG SERVICE
1700	1845	1¾	15	INSERT PACKER AND PRESSURE TEST *
1845	1900	¼	23	B.O.P. DRILL
1900	1930	½	6	P.O.O.H. W/ HWDP. FLOW @ 470m
1930	2130	2	20	PICK UP DIR TOOLS & ORIENTATE.
2130	2400	2½	6	TRIP IN W/ MWD MOTOR & TEST MWD @ 358m @ 730m, 1442m

NOTES: * PRESSURE TEST - TOP & LOWER PIPES 35,500 HIGH 2000 LOW. HYDRIL 17,500 HIGH 2000 LOW.
BOILER BLOWN: 1

DRILLER SIGNATURE:

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10			WORKING W/ 3½ DRILL PIPE	

Rec'd Jan. 27/99

WID 1850

Dec 27/98 Jan 10/99

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072242

LICENCE NO.: 1170 187 | WELL NAME AND NO.: PARAMOUNT ET AL BRITE C76A

OPERATOR: PARAMOUNT | CONTRACTOR: **PRECISION DRILLING**

SURFACE LOCATION: LAT 60° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS (OPR. / R.M.)

(1) Daily Walk Around Inspection — Initial / Initial
(2) Detailed Inspection-Weekly (using checklist) — Initial / Initial
(3) H²S Signs Posted (if required) — Initial / Initial
(4) Well License & Stick Diagram Posted — Initial / Initial
(5) Flare Lines Staked — Initial / Initial
(6) BOP Drills Performed — Initial / Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines — Initial / Initial

(1) Rig Site Health and Safety Meeting (one/crew/month) — Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month) — Initial
(3) Mast Inspection Before Raising or Lowering — Initial
(4) Crown Saver Checked — Initial
(5) Motor Kills checked — Initial

YEAR 1998 | MONTH 12 | DAY 21

RIG NO. 507

FUEL @ 8:00

RIG 2516 | BOILER

WEATHER: TEMPERATURE °C | CURRENT CONDITIONS | WIND DIRECTION | ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.07	E	65	120.6	IF	218	A GOOPT	OILWELL	203
89	23.07	X-95	65	123.8	IF	150	A GOOPT	OILWELL	203
89	25.5		67	120.6	IF	50			

TIME-HRS

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.					
MORN.	5¼					1.0	¼													¾		1/2	C.T.B.			
DAY	5¼																			2		¼	1¼			
EVE.	6¼						¼													1½						
TOTAL	17¼					1.0	½													3¼		¾	1¼			

TOTALS

8		
8		
8		
24		

SHALE SHAKER(S)

NO. 1 | TYPE SURGE

SCREENS CHANGED ☐ YES ☑ NO

TOP 110 | TOP

MIDDLE | MIDDLE

BOTTOM 110 | BOTTOM

RENTALS/SERVICES

	MORN	DAY	EVE
MT TOTAL 2066			
MT ACCUM 155711			
LENGTH 1506.58			
FUEL 11992 lit			

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
1	MOTOR	121	5.49 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	CB X/O		.43 m
1	UBHO	119	.37 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.44 m
81	D.P.	STANDS	2309.23 m
	D.P.	SINGLES	m
	KELLY DOWN		8.33 m
	TOTAL		2725 m
WT. OF DC	BHA	16 000	1000 daN
WT. OF STRING		59 000	1000 daN

BIT RECORD

BIT NO.	2 RR
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12 12 13
DEPTH OUT (m)	0/B
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	69
TOTAL HOURS RUN	33¼

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 2-4 daN

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED			
TIME	0200	0400	0600
DENSITY kg/m³	905	905	905
FUNNEL VIS. - (S/L)	58	55	53
W.L. (cm³)			
pH			
PVT	65.3	65.2	65.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	900	1900

CENT #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	900	1860

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2690	2725	35	80 TABLE 60 MTR	6-9

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10000	114	110	114	–

REDUCED PUMP SPEED

3700 @ 60 @ 2716

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
2677.81	3°	216.1 AZ
2687.56	2.96°	213.4 AZ
2697.30	3.5°	211.7 AZ

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0100	1.0	6	TRIP IN (FILL PIPE EVERY 20 STDS)
0100	0130	½	22	FULL BHA ON ROTATE BOP, TAKES GEOTECH ASSY
0130	0145	¼	23	BREAK CIRC & WASH 1 STAND TO STUMP
0145	0200	¼	20	SURVEY & ORIENT TOOL
0200	0330	1½	2	DRILL 152mm HOLE 2690m - 2700m
0330	0345	¼	7	RIG SERVICE ✓ TOP PIPE RAMS 6 SEC
0345	0600	2¼	2	DRILL 152mm HOLE 2700m - 2716m
0600	0730	1½	2	DRILL 152mm HOLE 2716m - 2725m
0730	0800	½	20	ACCUMULATED SURVEY TIME

NOTES: BOILER BLOWN: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10	400	64 000	NONE	24191 Kgs

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
	1.5° MOTOR	121	5.49 m
	FLOAT SUB	118	.40 m
	NMDC	118	9.29 m
	PULSER SUB	132	1.35 m
	CB X/O		.43 m
	UBHO	119	.37 m
2	NMDC	113/115	17.05 m
	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.44 m
82	D.P.	STANDS	m
1	D.P.	SINGLES	234.97 m
	KELLY DOWN		9.59 m
	TOTAL		2765 m
WT. OF DC	BHA	16 000	1000 daN
WT. OF STRING		60 000	1000 daN

BIT RECORD

BIT NO.	2RR
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12 12 13
DEPTH OUT (m)	IN
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	109
TOTAL HOURS RUN	39

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 2-5 DaN

TORQUE AT BOTTOM 25-30 UNITS

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED			
TIME	08:45	12:00	16:00
DENSITY kg/m³	905	905	905
FUNNEL VIS. - (S/L)	54	53	51
W.L. (cm³)			
pH			
P.V.T.	66.3	65.7	64.9

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	895	1910

CENT #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	895	1890

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2725	2765	40	40/60	6/10

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10000	114	110	114	

REDUCED PUMP SPEED

3800 @ 60 @ 2725

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
2716.75	5.3	212.4
2726.42	5.2	218.9
2736.10	6.3	228.3
2745.84	7.8	233.8

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	0815	¼	22	CHANGE OUT BEARING ASSEMBLY
0815	1400	5¾	2	DRILL 2725m - 2765m
1400	@1600	2	20	ACCUMULATED SURVEYS 4 SETS

NOTES: BOILER BLOWN: 1 Incinerator 200 Litres, Life tower 80 Litres.

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		64 000	NONE	24191 Kgs

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
1	MOTOR 1.5°	121	5.49 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	CB X/O		.43 m
1	UBHO	119	.37 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.44 m
84	D.P.	STANDS	239.621 m
	D.P.	SINGLES	m
	KELLY DOWN		3.35 m
	TOTAL		2807 m
WT. OF DC	BHA	16 000	1000 daN
WT. OF STRING		60 000	1000 daN

BIT RECORD

BIT NO.	2RR
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12 12 13
DEPTH OUT (m)	0/B
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	151
TOTAL HOURS RUN	45¼

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG 2-9 daN

TORQUE AT BOTTOM 25-30 UNITS

FILL ON BOTTOM (m) –

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED			
TIME	19:00	21:00	23:00
DENSITY kg/m³	900	905	905
FUNNEL VIS. - (S/L)	50	50	50
W.L. (cm³)			
pH			
P.V.T.	64.2	64.1	63.8

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
CaCl₂	2 sx

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	900	1770

CENT #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	900	1775

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2765	2807	42	40 R 60 MTR	6-12

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10000	114	110	114	–

REDUCED PUMP SPEED

3800 @ 60 @ 2778

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION
2755.49	7.6	235.5
2765.16	8.0	230.4
2774.90	8.7	222.7 AZ
2784.29	8.9	222.4 AZ

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1815	2¼	2	DRILL 2765m - 2778m
1815	1830	¼	7	RIG SERVICE ✓ BTM PIPE RAMS 6 SEC
1830	2230	4.0	2	DRILL 152mm HOLE 2778m - 2807
2230	2400	1½	20	ACCUMULATED SURVEY TIME

NOTES: BOILER BLOWN: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		68000	NONE	24191 Kgs

FOLD HERE ➔

072241

LICENCE NO.: WID 187

WELL NAME AND NO.: PARAMOUNT ET AL BOUIE C 76A

OPERATOR: PARAMOUNT

CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 60° 20' LONG 122° 45

UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS (OPR. / R.M.)

(1) Daily Walk Around Inspection — Initial / Initial
(2) Detailed Inspection-Weekly (using checklist) — Initial / Initial
(3) HS Signs Posted (if required) — Initial / Initial
(4) Well License & Stick Diagram Posted — Initial / Initial
(5) Flare Lines Staked — Initial / Initial
(6) BOP Drills Performed — Initial / Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines — Initial / Initial

(1) Rig Site Health and Safety Meeting (one/crew/month) — Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month) — Initial
(3) Mast Inspection Before Raising or Lowering — Initial
(4) Crown Saver Checked — Initial
(5) Motor Kills checked — Initial

YEAR 1998 | MONTH 12 | DAY 20

RIG NO. 507

FUEL @ 8:00

RIG | BOILER

WEATHER

	°C
TEMPERATURE	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

	DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
	89	23.07	E	65	120.6	IF	218	A600PT	OILWELL	203
	89	23.07	X95	65	123.8	IF	150	A600PT	OILWELL	203
	89	25.25	E	67	120.6	IF	50			

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23 ROTATING HEAD	24 ENSTALL HOSE	25	26
	MORN.		1/2			1.0		1/4													4 3/4			1/2		
	DAY		1 1/2			3/4	2 1/4	1/4													2 1/4		1/2			
	EVE.						4 1/2			1/2						1/4					2 3/4					
	TOTAL	3.0				1 3/4	6 3/4	1 1/2		1/2						1/4					10 1/4		1/2	1/2		
	TOTALS	8				8										24										

SHALE SHAKER(S)

NO. 1 | TYPE 1 SWACO

SCREENS CHANGED ☐ YES ☑ NO

TOP	110	TOP	
MIDDLE		MIDDLE	
BOTTOM	110	BOTTOM	

RENTALS/SERVICES

	MORN	DAY	EVE
MI TOTAL	6146		
MI ACCUM	153645		
LENGTH	1506.50		
FUEL	2050		

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			20 m
1	MOTOR	121	5.49 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	CB X/O		.43 m
1	UBHO	119	.37 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.44 m
79	D.P.	STANDS	2250.91 m
	D.P.	SINGLES	9.72 m
	KELLY DOWN		11.93 m
	TOTAL		2680 m

WT. OF DC BHA 16,000 1000 daN

WT. OF STRING 59,000 1000 daN

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12 12 13
DEPTH OUT (m)	0/B
DEPTH IN (m)	26.56
TOTAL METRES DRILLED (m)	24
TOTAL HOURS RUN	26 1/2

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0200	0400	0600
DENSITY kg/m³	905	905	905
FUNNEL VIS. - (S/L)	54	54	53
W.L. (cm³)			
pH			
PVT	64.3	643	63.4

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
8	905	900	1940

CENT #2

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
8	905	900	1545

MORNING TOUR

METRES DRILLED

FROM	TO	DR'D RIM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2668	2680	12		7-9

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
9900	114	105	114	-

REDUCED PUMP SPEED @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0030	1/2	20	TIME DRILL
0030	0100	1/2	20	RUN IN GYRO 4 CHECK SHOT
0100	0130	1/2	20	TIME DRILL TO 2669m
0130	0330	2.0	20	PULL WIRELINE & RIG OUT PACK OFF - REMOVE HOSE
0330	0400	1/2	22	INSTALL KELLY HOSE TO KELLY IN SOCK
0400	0415	1/4	7	RIG SERVICE
0415	0545	1 1/2	2	DRILL 152mm HOLE 2669m - 2680m
0545	0645	1.0	5	CIRCULATE & WORK HOLE PRIOR TO RUNNING GYRO
0645	0800	1 1/4	20	RUN IN W/ GYRO

NOTES: BOILER BLOWN: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		63000	NONE	

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			20 m
	MOTOR	121	5.49 m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC

WT. OF STRING

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12 12 13
DEPTH OUT (m)	2690
DEPTH IN (m)	26.56
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled BHA | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME		11:00	12:45
DENSITY kg/m³		905	905
FUNNEL VIS. - (S/L)		56	54
W.L. (cm³)			
pH			
PVT		65.6	65.1

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
8	905	900	1720

CENT #2

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
8	905	900	1590

DAY TOUR

METRES DRILLED

FROM	TO	DR'D RIM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2680	2690	10	50	5-6

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
8900	114	105	114	

REDUCED PUMP SPEED @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1045	2 3/4	20	RUN IN W/GYRO/PULL OUT GYRO & RIG OUT SHEAVES.
1045	1215	1 1/2	2	DRILL 2680m - 2690m
1215	1300	3/4	5	CIRC HOLE CLEAN
1300	1330	1/2	22	PUMP PILL FLOW, PULL OUT FOR BIT #2
1330	1515	1 1/4	6	P.O.O.H. FLOW @ 2535m, 1540m.
1515	1530	1/4	7	RIG SERVICE & ANNULAR 14 SEC
1530	1600	1/2	6	P.O.O.H. FLOW @ HWDP 30 K
				TRIP RECORD CALC - 7.04 MEAS 9.82 DIFF - .78m³ HOLE

NOTES: BOILER BLOWN: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					21,720

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			20 m
1	MOTOR	121	5.49 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	CB X/O		.43 m
1	UBHO	119	.37 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.44 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC BHA 16,000 1000 daN

WT. OF STRING 1000 daN

BIT RECORD

BIT NO.	2RR
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12 12 13
DEPTH OUT (m)	-
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME			
DENSITY kg/m³			
FUNNEL VIS. - (S/L)			
W.L. (cm³)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
8	905	900	1750

HOURS RUN	INTAKE DENSITY (kg/m)	OVERFLOW DENSITY (kg/m)	UNDERFLOW DENSITY (kg/m)
8	905	900	1590

EVENING TOUR

METRES DRILLED

FROM	TO	DR'D RIM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2690				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114		114	

REDUCED PUMP SPEED @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1700	1	6	FINISH TRIP OUT
1700	1945	2 3/4	20	BREAK DOWN DIRECTIONAL TOOLS & MU NEW MUD
1945	2145	2.0	6	TRIP IN - SHALLOW TEST MWD @ 235m & @ 1033m
2145	2215	1/2	9	SLIP & CUT 13.71m DRILLING LINE
2215	2230	1/4	15	WEEKLY B.O.P CHECK
2230	2400	1 1/2	6	TRIP IN W/ BIT #2RR. FILL PIPE EVERY 20 STDS
				ACCUMULATOR FUNCTION TEST - START PRESS - 20BOOKPA AFTER CLOSING HYDRIL TOP PIPE RAMS & OPEN HCR - RECORD 2 MIN PRESS TO RECHARGE

NOTES: CHECKED MOTOR KILLS OK

BOILER BLOWN: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
9					

FOLD HERE →

088709

LICENCE NO.: WID 187
WELL NAME AND NO.: PARAMOUNT ET AL BOVIE C76 A
OPERATOR: PARAMOUNT
CONTRACTOR: PRECISION DRILLING
SURFACE LOCATION: LAT 60 20' LONG 122° 45
UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE: L. P. Rondeau
SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS (OPR. / R.M.)
(1) Daily Walk Around Inspection — Initial / Initial
(2) Detailed Inspection-Weekly (using checklist) — Initial / Initial
(3) H²S Signs Posted (if required) — Initial / Initial
(4) Well License & Stick Diagram Posted — Initial / Initial
(5) Flare Lines Staked — Initial / Initial
(6) BOP Drills Performed — Initial / Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines — Initial / Initial
(1) Rig Site Health and Safety Meeting (one/crew/month) — Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month) — Initial
(3) Mast Inspection Before Raising or Lowering — Initial
(4) Crown Saver Checked — Initial
(5) Motor Kills checked — Initial

YEAR 1992 | MONTH 12 | DAY 19
RIG NO. 507
FUEL @ 8:00
RIG | BOILER

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.07	E	65	120.6	IF	218	A600PT	OILWELL	203
89	23.07	X95	65	123.8	IF	150	A600PT	OILWELL	203
89	35.35	E	67	120.6	IF	50			

TIME-HRS

CODE NO.	OPER.	1 RIG UP & TEAR DOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND. MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRE LINE LOGS	12 RUN CASE & 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 SAFETY MTG.	22	23	24	25	26
	MORN.								1½												6½						
	DAY							¼													7¾						
	EVE.																				8						
	TOTAL							1/4	1½												22¼						

TOTALS

8	
8	
8	
24	

SHALE SHAKER(S)
NO. 4 TYPE SWACO
SCREENS CHANGED ☐ YES ☑ NO
TOP 110 | TOP
MIDDLE | MIDDLE
BOTTOM 110 | BOTTOM

RENTALS/SERVICES (MORN. / DAY / EVE.)
MI TOTAL 4528
MI ACCUM 152027
LENGTH 1520.29
FUEL 25190

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D.mm	LENGTH
	BIT		0.20 m
1	MOTOR	121	5.49 m
1	FLOAT SUB	118	0.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	CB X/O		0.43 m
1	UBHO	119	0.37 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.44 m
79	D.P.	STANDS	2250.91 m
1	D.P.	SINGLES	9.66 m
STICK UP	KELLY DOWN		7.01 m
	TOTAL		2661 m
WT. OF DC	BHA	16 000	1000 daN
WT. OF STRING		57 000	1000 daN

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12 12 12
DEPTH OUT (m)	0/B
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	5
TOTAL HOURS RUN	15½

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0200	0400	0600
DENSITY kg/m³	910	910	905
FUNNEL VIS. - (S/L)	58	58	56
W.L. (cm³)			
pH			
PVT	65.4	65.3	64.7

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	910	900	1880

CENT #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	910	900	1710

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2660	2661	1	—	—

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
9600	114	105	114	

REDUCED PUMP SPEED: 2900 @ 60 @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE: [signature]

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0030	½	20	TIME DRILL
0030	0130	1.0	20	RUN IN GYRO - (HEATING UP) PULL TO SURFACE
0130	0300	1½	8	REPAIR AIRLINE TO #2 MOTOR CLUTCH
0300			20	BREAK OFF SINGLE - PULL GYRO & WORK
	0530	2½		ON SAME - RUN IN W/ GYRO & ORIENT
0530	0615	¾	20	TIME DRILL
0615	0715	1.0	20	RUN IN GYRO & √ DIRECTION
0715	0800	¾	20	TIME DRILL
				BOILER BLOWN: 1

NOTES: WELL SHUT IN & MONITORED WHILE WORKING ON AIRLINE TO MOTOR CLUTCH WITH WELDER

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10	350	60000	NONE	22061

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D.mm	LENGTH
	BIT		0.20 m
1.5	MOTOR	121	5.49 m
1	FLOAT SUB	118	0.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	CB X/O		0.43 m
1	UBHO	119	0.37 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
4/0	HWDP		367.91 m
	BHA		407.44 m
77	D.P.	STANDS	2250.91 m
1	D.P.	SINGLES	9.72 m
STICK UP	KELLY DOWN		4.16 m
	TOTAL		2663 m
WT. OF DC		16 000	1000 daN
WT. OF STRING		57 000	1000 daN

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12 12 12
DEPTH OUT (m)	IN
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	7
TOTAL HOURS RUN	17½

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	08:30	1330	15:30
DENSITY kg/m³	910	910	910
FUNNEL VIS. - (S/L)	57	61	57
W.L. (cm³)			
pH			
P.V.T.	64.7	69.5	65.0

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	910	900	1760

CENT #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	910	900	1610

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2661	2663	2		

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
9700	114	105	114	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE: [signature]

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	0900	1	20	TIME DRILL
0900			20	PULL OUT GYRO & LAY DOWN SAME. PICK UP
	0930	½		NEW GYRO & RUN IN SAME. ORIENT TOOL FACE
0930	0945	¼	7	RIG SERVICE √ BRAKES & SLC.
0945	1400	4¼	20	RUN IN GYRO & ORIENT
1400	1500	1	20	TIME DRILL 2661 - 2663
1500	1600	1	20	CHECK SHOT & TIME DRILL

NOTES: Lite tower 80 Litres, Vac truck 200 Litres, Lite plant 2000 Litres
BOILER BLOWN: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		61,000	NONE	21,720

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D.mm	LENGTH
	BIT		0.20 m
1	MOTOR	121	5.49 m
1	FLOAT SUB	118	0.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	CB X/O		0.43 m
1	UBHO	119	0.37 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.44 m
79	D.P.	STANDS	2250.91 m
2	D.P.	SINGLES	19.38 m
STICK UP	KELLY DOWN		9.73 m
	TOTAL		2668 m
WT. OF DC	BHA	16 000	1000 daN
WT. OF STRING		57 000	1000 daN

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12 12 12
DEPTH OUT (m)	0/B
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	12
TOTAL HOURS RUN	24.0

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION
HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	19:00	2100	2300
DENSITY kg/m³	905	905	905
FUNNEL VIS. - (S/L)	59	56	54
W.L. (cm³)			
pH			
P.V.T.	64.5	64.3	64.3

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	900	1750

CENT #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	905	900	1560

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2663	2668	5		

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
10100	114	105	114	

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE: [signature]

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1700	1	20	ORIENT TOOL FACE
1700	1945	2¾	20	TIME DRILL
1945	2045	1.0	20	RUN IN GYRO & CHECK SHOT
2045	2400	3¾	20	TIME DRILL

NOTES
BOILER BLOWN: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		68000	NONE	24192 kPa

FOLD HERE →

088708

LICENCE NO.: WID 187
WELL NAME AND NO.: PARAMOUNT ET AL BOVIE C76A
OPERATOR: PARAMOUNT
CONTRACTOR: PRECISION DRILLING
SURFACE LOCATION: LAT 60 20' LONG 122° 45
UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE: E P Bonnett
SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS — OPR. / R.M.

(1) Daily Walk Around Inspection — Initial 2 / Initial
(2) Detailed Inspection-Weekly (using checklist) — Initial / Initial
(3) H'S Signs Posted (if required) — Initial / Initial
(4) Well License & Slick Diagram Posted — Initial / Initial
(5) Flare Lines Staked — Initial / Initial
(6) BOP Drills Performed — Initial / Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines — Initial / Initial

(1) Rig Site Health and Safety Meeting (one/crew/month) — Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month) — Initial
(3) Mast Inspection Before Raising or Lowering — Initial
(4) Crown Saver Checked — Initial
(5) Mohr Kills checked — Initial

YEAR: 1998 | MONTH: 12 | DAY: 18
RIG NO.: 509
FUEL @ 8:00
RIG: 3516 | BOILER:

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
89	23.07	E	65	120.6	IF	218	A600PT	OILWELL	203
89	23.07	X95	65	123.8	IF	105	A600PT	OILWELL	203
89	35.35	E	67	120.6	IF	50			

TIME-HRS

CODE NO.	OPER.	1 RIG UP & TEAR DOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND. MUD & CIRC.	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRE LINE LOGS	12 RUN CASE & 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 SAFETY MTG.	22	23	24	25	26
	MORN.																				8						
	DAY																				8						
	EVE.							1/4													7 3/4						
	TOTAL							1/4													23 3/4						

TOTALS: 8 / 8 / 8 / 24

SHALE SHAKER(S): NO. 1 TYPE SWACO
SCREENS CHANGED ☐ YES ☑ NO
TOP 110 | TOP
MIDDLE | MIDDLE
BOTTOM 110 | BOTTOM

RENTALS/SERVICES

	MORN	DAY	EVE
MI TOTAL 4528			
MI ACCUM 152027			
LENGTH 1520.29m			
FUEL 28743 ltrs			

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
1	MOTOR	159	5.49 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	POWER SUB	132	1.35 m
1	CB X/O		.43 m
1	UBHO	119	.37 m
2	NMDC	113/115	17.05 m
1	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.44 m
79	D.P.	STANDS	2250.91 m
1	D.P.	SINGLES	9.66 m
STICK UP	KELLY DOWN		11.01 m
	TOTAL		2657 m
WT. OF DC BHA	16000	1000 daN	
WT. OF STRING	57000	1000 daN	

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12/12/9.3
DEPTH OUT (m)	0/8
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	1
TOTAL HOURS RUN	4.0

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	0200	0400	0600
DENSITY kg/m³	920	915	915
FUNNEL VIS. - (S/L)	60	58	58
W.L. (cm³)			
pH			
PVT	66.9	66.4	66.8

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
8 | 915 | 900 | 1915

CENT #2: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
8 | 915 | 900 | 1510

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2656	2657	1		

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
9600	114	105	114	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEY: DEPTH (m) | DEVIATION (°) | DIRECTION

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0400	4.0	20	TIME DRILL OFF PLUG
0400	0800	4.0	20	GYRO TOOL HEATING UP FROM DOWNHOLE TEMP - PULL TOOL OUT & WORK ON SAME

NOTES

DRILLER SIGNATURE

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	11			NONE	23801 Kpa

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
	MOTOR	159	5.49 m
	FLOAT SUB	118	.40 m
	NMDC	118	9.29 m
	POWER SUB	132	1.35 m
	CB X/O		.43 m
	UBHO	119	.37 m
2	NMDC	113/115	17.05 m
	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.44 m
79	D.P.	STANDS	2250.91 m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		2658 m
WT. OF DC BHA	16,000	1000 daN	
WT. OF STRING	57,000	1000 daN	

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12/12/9.3
DEPTH OUT (m)	IN
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	2
TOTAL HOURS RUN	9 1/4

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	09:00	12:00	14:45
DENSITY kg/m³	915	910	910
FUNNEL VIS. - (S/L)	60	57	54
W.L. (cm³)			
pH			
P.V.T.	66.4	66.2	65.9

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
8 | 910 | 900 | 1310

CENT #2: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
8 | 910 | 900 | 1790

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2657	2658	1		

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
9800	114	105	114	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEY: DEPTH (m) | DEVIATION (°) | DIRECTION

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	0945	1 3/4	20	WORK ON GYRO & RUN IN SAME
0945	1500	5 1/4	20	TIME DRILL OFF PLUG
1500	1600	1	20	PULL OUT GYRO & COOL DOWN SAME

NOTES: Lite tower 30 litres Gel, Logger line truck 200 litres

DRILLER SIGNATURE

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	11	850			

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
	BIT		.20 m
1	MOTOR	159	5.49 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	POWER SUB	132	1.35 m
1	CB X/O		.43 m
1	UBHO	119	.37 m
2	NMDC	113/115	17.05 m
	JARS	124	4.95 m
40	HWDP		367.91 m
	BHA		407.44 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC BHA	16000	1000 daN	
WT. OF STRING		1000 daN	

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	537
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12/12/9.3
DEPTH OUT (m)	0/8
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	4
TOTAL HOURS RUN	13

CUTTING STRUCTURE: T1 | To | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	18:30	21:00	23:00
DENSITY kg/m³	915	910	910
FUNNEL VIS. - (S/L)	61	59	58
W.L. (cm³)			
pH			
P.V.T.	65.3	65.1	65.7

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
8 | 910 | 900 | 1870

CENT #2: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
5 | 910 | 900 | 1715

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2658	2660	2	—	-

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
9600	114	105	114	

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEY: DEPTH (m) | DEVIATION (°) | DIRECTION

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1630	1/2	20	ORIENT & RUN IN GYRO
1630	1645	1/4	7	RIG SERVICE ✓ ANNULAR 14 SEC.
1645	1715	1/2	20	RUN IN GYRO & ORIENT
1715	1845	1 1/2	20	TIME DRILL 2658 - 2659
1845	1930	3/4	20	RUN IN GYRO & ✓ DIRECTION
1930	2030	1.0	20	TIME DRILL 2659 -
2030	2130	1.0	20	RUN IN GYRO ✓ DIRECTION
2130	2230	1.0	20	TIME DRILL
2230	2345	1 1/4	20	RUN IN GYRO ✓ DIRECTION -
2345	2400	1/4	20	TIME DRILL

NOTES

DRILLER SIGNATURE

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8				NONE	

FOLD HERE →

088707

LICENCE NO.: WIP 187
WELL NAME AND NO.: PARAMOUNT ET AL BOUIE C 76A
OPERATOR: PARAMOUNT
CONTRACTOR: PRECISION DRILLING
SURFACE LOCATION: LAT 60° 20' LONG 122° 45
UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS — OPR. Initial / R.M. Initial

(1) Daily Walk Around Inspection — PM
(2) Detailed Inspection Weekly (using checklist)
(3) H²S Signs Posted (if required) — PM
(4) Well License & Stick Diagram Posted — PM
(5) Flare Lines Staked — PM
(6) BOP Drills Performed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines — PM

(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills checked

YEAR 1998 MONTH 12 DAY 19
RIG NO. 507
FUEL @ 8:00
RIG: BOILER:

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

	DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
	89	23.07	E	65	120.6	IF	218	A600PT	OILWELL	203
	89	23.07	X95	65	123.8	IF	105	A600PT	OILWELL	203
	89	35.35	HWDP	57	120.6	IF	30			

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
	MORN.					1/4	5 1/2	1/4													1 3/4			W.O.O.	START WOC	
	DAY					3/4															4 1/4			1 3/4	1 1/4	
	EVE.							1/4																		
	TOTAL					1	5 1/2	1/2																		

TOTALS: 8 / 8 / 8 / 24

SHALE SHAKER(S): NO. 1; TYPE SWACO; SCREENS CHANGED ☐ YES ☑ NO; TOP 110; MIDDLE; BOTTOM 110

RENTALS/SERVICES

	MORN.	DAY	EVE.
MI TOTAL 4528			
MI ACCUM 152027			
LENGTH 1520.29 m			
FUEL 325 m³			

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1			.20 m
1	MOTOR	156	5.49 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	CB X/O		.43 m
1	UBHO SUB	119	.37 m
2	NMDC	114/115	17.05 m
1	JAR	124	4.95 m
40	HWDP		367.96 m
	BHA		407.44 m
78	D.P.	STANDS	m
XX	D.P.	SINGLES	2241.19 m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC BHA 16 000 (1000 daN)
WT. OF STRING (1000 daN)

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12.12.12.9
DEPTH OUT (m)	
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T. / T.O. / MDC / LOC / B / Gage / ODC / Reason Pulled / Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED: PRODUCT / AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN / INTAKE DENSITY (kg/m³) / OVERFLOW DENSITY (kg/m³) / UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE: HOURS RUN / INTAKE DENSITY (kg/m³) / OVERFLOW DENSITY (kg/m³) / UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2656				

CIRCULATION PRESSURE (kPa) / PUMP NO. 1 (LINER SIZE (mm), S.P.M.) / PUMP NO. 2 (LINER SIZE (mm), S.P.M.)
114 / 114

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY: DEPTH (m) / DEVIATION (°) / DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0030	1/2	20	RUN GYRO ON WIRELINE
0030	0430	4.0	6	TRIP IN - P/U 10 JTS HWDP - BRK CIRC
				& CHECK TOOL EVERY 20 STDS
0430	0445	1/4	7	RIG SERVICE & HYDRIL 15 SEC
0445	0615	1 1/2	6	TRIP IN - FILL PIPE EVERY 20 STDS
0615	0630	1/4	22	INSTALL BEARING ASSEMBLY IN R.BOP
0630	0645	1/4	5	BRK CIRC & CIRCULATE
0645	0900	1 1/4	20	RIG UP SHEAVES & RUN IN GYRO

NOTES: BOILER Blown:

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10		58 000	NONE	

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.20 m
	MOTOR	156	5.49 m
	FLOAT SUB	118	.40 m
	NMDC	118	9.29 m
	PULSER SUB	132	1.35 m
	CB X/O		.43 m
	UBHO	119	.37 m
2	NMDC	114/115	17.05 m
1	JAR	124	4.95 m
40	HWDP		367.96 m
	BHA		407.44 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m

WT. OF DC (1000 daN)
WT. OF STRING (1000 daN)

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12.12.12.9
DEPTH OUT (m)	
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T. / T.O. / MDC / LOC / B / Gage / ODC / Reason Pulled / Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	1400
DENSITY kg/m³	955
FUNNEL VIS. - (S/L)	60
W.L. (cm³)	
pH	
P.V.T.	68.8m³

MUD MATERIALS ADDED: PRODUCT / AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN / INTAKE DENSITY (kg/m³) / OVERFLOW DENSITY (kg/m³) / UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE: HOURS RUN / INTAKE DENSITY (kg/m³) / OVERFLOW DENSITY (kg/m³) / UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2656				

CIRCULATION PRESSURE (kPa) / PUMP NO. 1 (LINER SIZE (mm), S.P.M.) / PUMP NO. 2 (LINER SIZE (mm), S.P.M.)
114 / 114

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY: DEPTH (m) / DEVIATION (°) / DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1200	4	21	RUN IN GYRO
1200	1315	1 1/4	24	CIRC UP SURVEY & TEAM & SHUT
				IN WELL & CIRC THROUGH CHOKE
1315	1400	3/4	5	CIRC W/WELL OPEN & MONITOR TRIP GAS
1400	1415	1/4	20	CIRC UP SURVEY
1415	1600	1 3/4	23	W.O.O.
				HELD SAFETY MEETING W/RIG
				MANAGER & CREW ON CREW TRUCK
				& RIG FIRE DRILL

NOTES: Vac truck 200 litres, Lite plant 1500 Litres Fuel
Lite tower 100 Litres. CARWASH 150 LITRES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8				CREW TRUCK & RIG FIRE	

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1			.20 m
1	MOTOR	156	5.49 m
1	FLOAT SUB	118	.40 m
1	NMDC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	CB X/O		.43 m
1	UBHO	119	.37 m
2	NMDC	114/115	17.05 m
1	JAR	124	4.95 m
40	HWDP		367.96 m
	BHA		407.44 m
71	D.P.	STANDS	2250.91 m
1	D.P.	SINGLES	9.66 m
STICK UP	KELLY DOWN		12.01 m
	TOTAL		2656 m

WT. OF DC BHA 16 000 (1000 daN)
WT. OF STRING 59 000 (1000 daN)

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP53
SERIAL NO.	DQ8327
JETS (mm)	12.12.12.9
DEPTH OUT (m)	98
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	—
TOTAL HOURS RUN	—

CUTTING STRUCTURE: T. / T.O. / MDC / LOC / B / Gage / ODC / Reason Pulled / Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	19:00	2100	2300
DENSITY kg/m³	925	920	920
FUNNEL VIS. - (S/L)	63	60	61
W.L. (cm³)			
pH			
P.V.T.	68.1m³	67.6	67.1

MUD MATERIALS ADDED: PRODUCT / AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN / INTAKE DENSITY (kg/m³) / OVERFLOW DENSITY (kg/m³) / UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE #1

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
8	920	900	1865

CENTRIFUGE #2

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
5	920	900	1310

METRES DRILLED

FROM	TO	DRD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2656			—	—

CIRCULATION PRESSURE (kPa) / PUMP NO. 1 (LINER SIZE (mm), S.P.M.) / PUMP NO. 2 (LINER SIZE (mm), S.P.M.)
9600 / 114 / 105 / 114

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY: DEPTH (m) / DEVIATION (°) / DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1700	1	23	W.O.O.
1700	1845	1 3/4	20	RIG UP SHEAVES & CIRC. ASSEMBLY & ORIENT GYRO
1845	1900	1/4	7	RIG SERVICE & FIRE RADIS 6 SEC.
1900	2400	5.0	20	RUN IN GYRO - PULL GYRO & CHANGE OUT
				& RUN BACK IN W/GYRO & ORIENT
				TOOL FACE

NOTES: GRAVEYARD CREW HELD FIRE DRILL SAFETY MEETING IN CAMP

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10.5		60 000	CAMP FIRE DRILL	

EVENING TOUR

FOLD HERE →

088706

LICENCE NO.: WIO 187 | WELL NAME AND NO.: TARAMOUNT ET AL BOUIE C76A

OPERATOR: PARAMOUNT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 60 20' LONG 122° 45 | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial RM
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) HPS Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial RM
(1) Rig Site Health and Safety Meeting (one/crew/month)	Initial	
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)	Initial	
(3) Mast Inspection Before Raising or Lowering	Initial	
(4) Crown Saver Checked	Initial	
(5) Motor Kills checked	Initial	

YEAR 1990 | MONTH 12 | DAY 16 | RIG NO. 507

FUEL @ 8:00

RIG | BOILER

WEATHER

TEMPERATURE °C	
CURRENT CONDITIONS	
WIND DIRECTION	
ROAD	

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

	DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)
	89	23.07	E	65.1	120.6	IF	218	A 600PT	OILWELL	203
	89	23.07	X95	65.1	123B	IF	105	A 600PT	OILWELL	203
	89	35.35	AWDP	57	120.6	IF	50			

TIME-HRS

CODE NO.	OPER.	1 RIG UP & TEAR DOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND. MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV. SURVEY	11 WIRE LINE LOGS	12 RUN CASE & 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 SAFETY MTG.	22	23	24	25	26
																							DRILL CEMENT	RECOVER R.B.P. HANDLE FISH			
	MORN.							1/4															7 3/4				
	DAY					3/4	4.0	1/4															3.0				
	EVE.						2.0														1/2			2.0	3 1/2		
	TOTAL					3/4	8.0	1/2													1/2		10 3/4	2.0	3 1/2		

TOTALS

8	
8	
8	
24	

SHALE SHAKER(S)

NO. 1 TYPE SWACO

SCREENS CHANGED YES NO

TOP 110 | TOP

MIDDLE | MIDDLE

BOTTOM 110 | BOTTOM

RENTALS/SERVICES

	MORN	DAY	EVE
MEGAJOULE TOTAL 3070			
MEGAJOULE ACCUM 16569			
LENGTH m			
FUEL 18459 Lts			

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			.20 m
1	BIT SUB	117	.79 m
30	HWDP		276.02 m
	BHA		276.97 m

81	D.P.	STANDS	2309.20 m
2	D.P.	SINGLES	19.35 m
	KELLY DOWN		4.46 m
	TOTAL		2610 m
WT. OF DC	—		1000 daN
WT. OF STRING	56 000		1000 daN

BIT RECORD

BIT NO.	1
SIZE (mm)	152
IADC CODE	2 2 1
MFG.	SMITH
TYPE	QM
SERIAL NO.	AE69908
JETS (mm)	
DEPTH OUT (m)	O/B
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG: O

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	0500
DENSITY kg/m³	915
FUNNEL VIS. - (S/L)	55
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
INVERT	88 m³

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2523	2610	87	80	6-8

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
6600	114	110	114	

REDUCED PUMP SPEED

2500 @ 60 @ 2547

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0400	4.0	2	DRILL CEMENT 2523m - 2549m
0400	0415	1/4	7	RIG SERVICE ✓ BTM RAM 6 SEC
0415	0800	3 3/4	2	DRILL OUT CEMENT 2549m - 2610m

NOTES: BOILER BLOWN: 1 TIME

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10	350	63 000	NONE	23931 kPa

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	1
SIZE (mm)	152
IADC CODE	2 2 1
MFG.	SMITH
TYPE	QM
SERIAL NO.	AE69908
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT
BARITE	155 X
INVERT	12m³

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2610				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114	110	114	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1100	3	22	DRILL OUT CEMENT 2610m - 2656m
1100	1145	3/4	5	CIRC STM. UP
1145			6	PUMP PILL / FLOW CK / LAY DOWN 12 JTS
				R.C.H. FLOW @ 2500 = 1400, 1130,
	1715	5 1/2		280m
1715	1730	1/4	7	RIG SERVICE / BOP DRILL 141 SEC.
1730	2000	2 1/2	23	RECOVER ROTATING HEAD - BREAK
1730				BIT SUB & BIT STRAP

NOTES: BOILER BLOWN: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10			NONE	

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	MOTOR	156	.70 m
1	ECCENTRIC SUB		5.49 m
1	NM DC	118	9.29 m
1	PULSER SUB	132	1.35 m
1	CB X/O		.43 m
1	UBHO SUB	119	.37 m
2	NM DC	113/4	17.05 m
1	JAR	124	4.95 m
40	HWDP		376.00 m
	BHA		416.53 m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	2
SIZE (mm)	152
IADC CODE	5 3 7
MFG.	REED
TYPE	EHP 53
SERIAL NO.	DQ8327
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	2656
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)
2656				

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
2000	2330	3/2	24	P/U & M/U DIRECTIONAL ASSEMBLY
2330	2400	1/2	20	RUN 4 STDS HWDP & SHALLOW TEST MWD

NOTES: BOILER BLOWN: 1

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8	10				

FOLD HERE →

088705

LICENCE NO.: WID 187 | WELL NAME AND NO.: PARAMOUNT ETAL BOUIE C76A

OPERATOR: PARAMOUNT | CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 60° 20' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: E.P. Candler | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial MM
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial RV
(4) Well License & Slick Diagram Posted	Initial	Initial RV
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial PM
(1) Rig Site Health and Safety Meeting (one/crew/month)	Initial	
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)	Initial	
(3) Mast Inspection Before Raising or Lowering	Initial	
(4) Crown Saver Checked	Initial	
(5) Motor Kills checked	Initial	

YEAR 1995 | MONTH 12 | DAY 5 | RIG NO. 507

FUEL @ 8:00

RIG: | BOILER:

WEATHER

TEMPERATURE -18 °C | CURRENT CONDITIONS | WIND DIRECTION | ROAD

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG. HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23 BOP DRILL	24 Rig out 4/0	25 CLEAN TANKS	26 DRILL OUT
	MORN.						6¾									1							1/4				
	DAY						2.0																1/4	1/2	3/4	4½	
	EVE.					2¾		½															½		3½	1.0	
	TOTAL					2¾	8¾	¼								1							¼	3/4	4¼	5½	

TOTALS

8	
8	
8	
24	

SHALE SHAKER(S)

NO. 1 TYPE SWACO

SCREENS CHANGED ☐ YES ☑ NO

TOP 110 | TOP

MIDDLE | MIDDLE

BOTTOM 110 | BOTTOM

RENTALS/SERVICES

	MORN	DAY	EVE
MJ 1381			
TOTAL 148880			
LENGTH 1520.29			
FUEL @ 0600 -17580			

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.20 m
1	BIT SUB	117	.79 m
30	HWDP		276.00 m
			m
			m
			m
			m
			m
			m
58	D.P.	STANDS	1647.51 m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		1924.50 m
WT. OF DC			100 daN
WT. OF STRING		41,000	1000 daN

BIT RECORD

BIT NO.	1
SIZE (mm)	152
IADC CODE	2 2 1
MFG.	SMITH
TYPE	QM
SERIAL NO.	AE69708
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_1 | T_0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED

PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

L. Lane.

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.
0000	0100	1	15
0100	0700	6	6
0700	0715	¼	22
0715	0800	¾	6

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

PRESSURE TEST BEARING ASSEMBLY.
P/U DRILL PIPE
BOP DRILL
P/U DRILL PIPE.
- FLARELINES INSPECTED PRIOR TO MAKING UP AND AFTER MAKING UP P/U

NOTES: CREW HELD BOP DRILL WHEN IN POSITION & WELL SECURE 1 min, 1 min 10sec.

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.20 m
1	BIT SUB	117	.79 m
30	HWDP		276.00 m
			m
			m
			m
			m
			m
	BHA		27.99 m
78	D.P.	STANDS	m
1	D.P.	SINGLES	223.47 m
	KELLY DOWN		11.54 m
	TOTAL		1520 m
WT. OF DC		—	1000 daN
WT. OF STRING		55 000	1000 daN

BIT RECORD

BIT NO.	1
SIZE (mm)	152
IADC CODE	2 2 1
MFG.	SMITH
TYPE	QM
SERIAL NO.	AE69708
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	4½

CUTTING STRUCTURE: T_1 | T_0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☑ WATER BASED ☐ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED

PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
5600	114	110	114	

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.
0800	1000	2.0	6
1000	1030	½	23
1030	1115	¾	24
1115	1130	¼	22
1130	1500	3½	25
1500	1600	1.0	25

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FINISH PICKING UP D.P.
RIG OUT LAYDOWN MACHINE
CLEAN SAND TRAP, DIVERT FLOW TO SUCTION, STANDPIPE — RIG STEAM THRU STANDPIPE
HOLD B.O.P DRILL - CHECK MOTOR KILLS
DRILL OUT PLUG - 2495m
P/U 2 SINGLES + POLISH CEMENT @ 2519m
N.E.B. INSPECTION

NOTES: CREW HELD B.O.P DRILL - CREW IN POSITION & WELL SECURE 115 SEC - CHECKED MOTOR KILLS OK

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8			60000	—	21720

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.20 m
1	BIT SUB	117	.79 m
30	HWDP		276.00 m
			m
			m
			m
			m
			m
	BHA		27.99 m
78	D.P.	STANDS	m
2	D.P.	SINGLES	224.47 m
	KELLY DOWN		2.52 m
	TOTAL		2521 m
WT. OF DC		—	1000 daN
WT. OF STRING		55 000	1000 daN

BIT RECORD

BIT NO.	1
SIZE (mm)	152
IADC CODE	2 2 1
MFG.	SMITH
TYPE	QM
SERIAL NO.	AE69708
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	5½

CUTTING STRUCTURE: T_1 | T_0 | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☑ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED

PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.
	114	110	114	

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.
1600	1615	¼	22
1615	1630	¼	21
1630	1715	¾	25
1715	1800	¾	5
1800	1815	¼	7
1815	2145	3½	24
2145	2345	2	5
2345	2400	¼	23

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

B.O.P DRILL - WELL SECURE 90 SEC
SAFETY MEETING / H²S INITIATIVES
DRILL OUT CMT @ 2519m - 2521m
CIRC. CMT OUT
RIG SERVICE / TOP PIPE RAMS & SAFE
CLEAN TANKS FOR MOUNT & FILL
REVERSE CIRC & CHANGE TO AMMONIA
DRILL OUT CMT 2521m - 2523m

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
4				H²S	

FOLD HERE →

088704

LICENCE NO.: WID 1517
WELL NAME AND NO.: PARAMOUNT ETAL BOUIE C76A
OPERATOR: PARAMOUNT
CONTRACTOR: PRECISION DRILLING
SURFACE LOCATION: LAT 60° 20' LONG 122° 45'
UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial MA
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial MA
(4) Well License & Stick Diagram Posted	Initial	Initial MA
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)		Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)		Initial
(3) Mast Inspection Before Raising or Lowering		Initial
(4) Crown Saver Checked		Initial
(5) Motor Kills checked		Initial

YEAR 1998 MONTH 12 DAY 14
RIG NO. 507
FUEL @ 8:00
RIG | BOILER

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)
							5.50	

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23 HANDLE TOOLS	24 MAKE UP B.H.A. & PICK UP D.P.	25 ATTEMPT TO SEAT TEST PACKER	26 UNSEAT BEARING ASSY.
	MORN.						2½									3						1½	1			
	DAY						½																	7½		
	EVE.						¼									4¾								1¾	1¼	
	TOTAL						3¼									7¾						1½	1	9¼	1¼	

TOTALS: 8 / 8 / 8 / 24

SHALE SHAKER(S): NO. 1 TYPE SAMCO; SCREENS CHANGED ☐ YES ☒ NO; TOP 110; MIDDLE; BOTTOM 110

RENTALS/SERVICES: FUEL TO 0600 12,561

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	1
SIZE (mm)	@152
IADC CODE	2 2 1
MFG.	SMITH
TYPE	QM
SERIAL NO.	AE69908
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME; DENSITY kg/m³; FUNNEL VIS. - (S/L); W.L. (cm³); pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'D RM'R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa): PUMP NO. 1 (LINER SIZE (mm), S.P.M.); PUMP NO. 2 (LINER SIZE (mm), S.P.M.)

REDUCED PUMP SPEED: @ / @

DEVIATION SURVEY: DEPTH (m) | DEVIATION (°) | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0300	3	15	PRESS TEST
0300	0430	1½	22	P/U 3½" HANDLING TOOLS
0430	0530	1	23	RIG UP LAY DOWN TRUCK & SAFETY MTG.
0530	0800	2½	6	P/U HEWITT - 9 SET PACKER.

NOTES

BOILER: HRS. RAN 8; ph; STACK TEMP.

MAXIMUM EXPERIENCED HOOKLOAD

SAFETY TOPIC: H/D MACHINE

M.A.C.P.

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.20 m
1	BIT SUB	117	.79 m
30	HWDP		276.00 m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P. 8	STANDS	86.10 m
	D.P. 1	SINGLES	9.55 m
	KELLY DOWN		372.64 m
	TOTAL		~~367.49~~ m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	1
SIZE (mm)	152
IADC CODE	2 2 1
MFG.	SMITH
TYPE	QM
SERIAL NO.	AE69908
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME; DENSITY kg/m³; FUNNEL VIS. - (S/L); W.L. (cm³); pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'D RM'R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa): PUMP NO. 1 (LINER SIZE (mm), S.P.M.); PUMP NO. 2 (LINER SIZE (mm), S.P.M.)

REDUCED PUMP SPEED: @ / @

DEVIATION SURVEY: DEPTH (m) | DEVIATION (°) | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1195	3¾	24	ATTEMPT TO SEAT TESTERS PACKER* INSTALL R BOP
1145	1215	½	6	P/U HWDP (15 JTS)
1215	1600	3¾	24	MAKE UP TEST PLUG - SET R B.O.P BLADDER - SET TEST PLUG & ATTEMPT TO PRESSURE TEST
				PRESSURE TEST MANIFOLD VALVES TO 1400 kPa 10 min. 3500 kPa 1h 10 min - P/TEST BLIND RAM, 2 PIPE RAMS, ALL STACK VALVES, CHECK VALVES, STABBING VALVE INSIDE BOP AND CASING TO 1400 kPa 10 MIN, 21000 kPa 10 min,

NOTES: P/Test HYDRIL TO 1400 kPa 10 min, 10,500 kPa 10 min
P/TEST KELLY VALVES TO 1400 kPa 10 min - 21000 kPa 10 min

BOILER: HRS. RAN 8; ph; STACK TEMP.

MAXIMUM EXPERIENCED HOOKLOAD: 12 000

SAFETY TOPIC: H/D MACHINE

M.A.C.P.

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
1	BIT		.20 m
1	BIT SUB	117	.79 m
30	HWDP		276.00 m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P. 1	SINGLES	9.55 m
	KELLY DOWN		m
	TOTAL		286.74 m
WT. OF DC			1000 daN
WT. OF STRING	12 000		1000 daN

BIT RECORD

BIT NO.	1
SIZE (mm)	152
IADC CODE	2 2 1
MFG.	SMITH
TYPE	QM
SERIAL NO.	AE69908
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME; DENSITY kg/m³; FUNNEL VIS. - (S/L); W.L. (cm³); pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR'D RM'R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa): PUMP NO. 1 (LINER SIZE (mm), S.P.M.); PUMP NO. 2 (LINER SIZE (mm), S.P.M.)

REDUCED PUMP SPEED: @ / @

DEVIATION SURVEY: DEPTH (m) | DEVIATION (°) | DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1745	1¾	24	ATTEMPT TO TEST - PULL R.B.O.P BLADDER
1745	1800	¼	6	P/U 6 JTS D.P. 4 TRIP IN (TEST PLUG 7 JTS DOWN
1800	2215	4¼	15	M[illegible] SET PACKER & ATTEMPT TO PRESSURE TEST, P/U 3 JTS D.P. - SET PACKER AND PRESSURE TEST. UPPER & LOWER RAMS & HYDRILL
2215	2330	1¼	23	INSERT BEARING ASSEMBLY IN R BOP.
2330	2400	½	15	PRESSURE TEST BEARING ASSEMBLY.

NOTES

BOILER: HRS. RAN 8; ph; STACK TEMP.

MAXIMUM EXPERIENCED HOOKLOAD

SAFETY TOPIC

M.A.C.P.

FOLD HERE →

088703

LICENCE NO.: W1D 187
WELL NAME AND NO.: PARAMOUNT ET AL BOUIE C76A
OPERATOR: PARAMOUNT
CONTRACTOR: PRECISION DRILLING
SURFACE LOCATION: LAT 60° 20' LONG 122° 45'
UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS (OPR. / R.M.)
(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (using checklist)
(3) H²S Signs Posted (if required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually inspect BOP's - Flarelines & Degasser Lines
(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills checked

YEAR 1995 | MONTH 12 | DAY 13
RIG NO. 507
FUEL @ 8:00
RIG | BOILER

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.					
MORN.																										
DAY																										
EVE.																										
TOTAL																										

TOTALS

SHALE SHAKER(S)
NO. | TYPE
SCREENS CHANGED ☐ YES ☐ NO
TOP | TOP
MIDDLE | MIDDLE
BOTTOM | BOTTOM

RENTALS/SERVICES (MORN. | DAY | EVE.)
FUEL @ 0600 25,198.

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)
NO. | BIT | O.D. mm | LENGTH
D.P. | STANDS
D.P. | SINGLES
KELLY DOWN
TOTAL
WT. OF DC (1000 daN)
WT. OF STRING (1000 daN)

BIT RECORD
BIT NO. | SIZE (mm) | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS (mm) | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METRES DRILLED (m) | TOTAL HOURS RUN
CUTTING STRUCTURE: T_I | T_D | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.
HOLE CONDITION
HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD
MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED
PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL
DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED
FROM | TO | DR'D RM-R CORE-C | ROTARY R.P.M. | WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa) | PUMP NO. 1: LINER SIZE (mm) | S.P.M. | PUMP NO. 2: LINER SIZE (mm) | S.P.M.

REDUCED PUMP SPEED @ @

DEVIATION SURVEY
DEPTH (m) | DEVIATION (°) | DIRECTION

DRILLER SIGNATURE

TIME LOG
FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0800	8	14	HOOK UP HCR LINES, AND MANIFOLD LINE MODIFY AS NEEDED

NOTES

BOILER: HRS. RAN | ph | STACK TEMP. | MAXIMUM EXPERIENCED HOOKLOAD | SAFETY TOPIC | M.A.C.P.
8

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)
NO. | BIT | O.D. mm | LENGTH
D.P. | STANDS
D.P. | SINGLES
KELLY DOWN
TOTAL
WT. OF DC (1000 daN)
WT. OF STRING (1000 daN)

BIT RECORD
BIT NO. | SIZE (mm) | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS (mm) | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METRES DRILLED (m) | TOTAL HOURS RUN
CUTTING STRUCTURE: T_I | T_D | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.
HOLE CONDITION
HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD
MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED
PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL
DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED
FROM | TO | DR'D RM-R CORE-C | ROTARY R.P.M. | WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa) | PUMP NO. 1: LINER SIZE (mm) | S.P.M. | PUMP NO. 2: LINER SIZE (mm) | S.P.M.

REDUCED PUMP SPEED @ @

DEVIATION SURVEY
DEPTH (m) | DEVIATION (°) | DIRECTION

DRILLER SIGNATURE

TIME LOG
FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1600	8	14	HOOK UP CHOKE LINES TO MANIFOLD "MODIFY TO MAKE THEM WORK INSTALL CATCH PAN ON TOP OF HYDRIL - CHANGE LOWER PIPE RAM BLOCKS TO 3½"

NOTES

BOILER: HRS. RAN | ph | STACK TEMP. | MAXIMUM EXPERIENCED HOOKLOAD | SAFETY TOPIC | M.A.C.P.
8

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)
NO. | BIT | O.D. mm | LENGTH
D.P. | STANDS
D.P. | SINGLES
KELLY DOWN
TOTAL
WT. OF DC (1000 daN)
WT. OF STRING (1000 daN)

BIT RECORD
BIT NO. | SIZE (mm) | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS (mm) | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METRES DRILLED (m) | TOTAL HOURS RUN
CUTTING STRUCTURE: T_I | T_D | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.
HOLE CONDITION
HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD
MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED
PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL
DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)
HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED
FROM | TO | DR'D RM-R CORE-C | ROTARY R.P.M. | WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa) | PUMP NO. 1: LINER SIZE (mm) | S.P.M. | PUMP NO. 2: LINER SIZE (mm) | S.P.M.

REDUCED PUMP SPEED @ @

DEVIATION SURVEY
DEPTH (m) | DEVIATION (°) | DIRECTION

DRILLER SIGNATURE

TIME LOG
FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	2000	4	14	MODIFY CHOKE LINES
2000	2400	4	14	HOOK UP UNDER BALANCED LINES (ENTEST) HOOK UP STEEL BLEED LINE FROM ROTATING HEAD TO CASING GAUGE

NOTES

BOILER: HRS. RAN | ph | STACK TEMP. | MAXIMUM EXPERIENCED HOOKLOAD | SAFETY TOPIC | M.A.C.P.
8

FOLD HERE →

088702

LICENCE NO.	WELL NAME AND NO.
WID 1817	PARAMOUNT ET AL BOUIE C76A
OPERATOR	**CONTRACTOR**
PARAMOUNT	PRECISION DRILLING
SURFACE LOCATION	**UNIQUE ID.**
LAT 60° 20' LONG 122° 45'	
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**

DAILY CHECKS

	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Stick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)	Initial	
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)	Initial	
(3) Mast Inspection Before Raising or Lowering	Initial	
(4) Crown Saver Checked	Initial	
(5) Motor Kills checked	Initial	

YEAR	MONTH	DAY
98	12	13

RIG NO. 507

FUEL @ 8:00

RIG | BOILER

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTALS
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.						
MORN.																											
DAY																											
EVE.																											
TOTAL																											

SHALE SHAKER(S)

NO. | TYPE

SCREENS CHANGED ☐ YES ☐ NO

TOP | TOP

MIDDLE | MIDDLE

BOTTOM | BOTTOM

RENTALS/SERVICES

	MORN	DAY	EVE
Fuel 2783 L			

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH m
	D.P.	STANDS	
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		

WT. OF DC | 1000 daN

WT. OF STRING | 1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME

DENSITY kg/m³

FUNNEL VIS. - (S/L)

W.L. (cm³)

pH

MUD MATERIALS ADDED

PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

Jim Lang.

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.
0000	0800		14

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

NIPPLE UP BOPS, ROTATING BOP

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH m
	D.P.	STANDS	
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		

WT. OF DC | 1000 daN

WT. OF STRING | 1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME

DENSITY kg/m³

FUNNEL VIS. - (S/L)

W.L. (cm³)

pH

MUD MATERIALS ADDED

PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

Dan Thom

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.
0800	1600	8	14

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

NIPPLE UP B.O.P.S (ROTATING B.O.P - MODIFIE FLANGES ON KILL LINE SIDE, INSTALL FLOW LINE FOR ROTATING BOP

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH m
	D.P.	STANDS	
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		

WT. OF DC | 1000 daN

WT. OF STRING | 1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE: T_I | T_O | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME

DENSITY kg/m³

FUNNEL VIS. - (S/L)

W.L. (cm³)

pH

MUD MATERIALS ADDED

PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

Del + Tim

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.
1600	2400		14

DETAILS OF OPERATION IN SEQUENCE AND REMARKS

MODIFY KILL LINE & NIPPLE UP

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

FOLD HERE →

088701

LICENCE NO.: WID 1817
WELL NAME AND NO.: PACA FT AL BOUIE C-76 A
OPERATOR: MACKENZIE
CONTRACTOR: PRECISION DRILLING
SURFACE LOCATION: LAT 60° 20' LONG 122° 45'
UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE:
SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS	OPR.	R.M.
(1) Daily Walk Around Inspection	Initial	Initial
(2) Detailed Inspection-Weekly (using checklist)	Initial	Initial
(3) H²S Signs Posted (if required)	Initial	Initial
(4) Well License & Slick Diagram Posted	Initial	Initial
(5) Flare Lines Staked	Initial	Initial
(6) BOP Drills Performed	Initial	Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines	Initial	Initial
(1) Rig Site Health and Safety Meeting (one/crew/month)	Initial	
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month)	Initial	
(3) Mast Inspection Before Raising or Lowering	Initial	
(4) Crown Saver Checked	Initial	
(5) Motor Kills checked	Initial	

YEAR 94 MONTH 12 DAY 11
RIG NO. 507
FUEL @ 8:00
RIG | BOILER

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
MORN.																									
DAY																									
EVE.																									
TOTAL																									

TOTALS

SHALE SHAKER(S): NO. | TYPE
SCREENS CHANGED ☐ YES ☐ NO
TOP | TOP
MIDDLE | MIDDLE
BOTTOM | BOTTOM

RENTALS/SERVICES — MORN | DAY | EVE

FUEL 1670 L

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m

WT. OF DC: 1000 daN
WT. OF STRING: 1000 daN

BIT RECORD

BIT NO.
SIZE (mm)
IADC CODE
MFG.
TYPE
SERIAL NO.
JETS (mm)
DEPTH OUT (m)
DEPTH IN (m)
TOTAL METRES DRILLED (m)
TOTAL HOURS RUN

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME
DENSITY kg/m³
FUNNEL VIS. - (S/L)
W.L. (cm³)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa) | PUMP NO. 1 LINER SIZE (mm) | PUMP NO. 1 S.P.M. | PUMP NO. 2 LINER SIZE (mm) | PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0000	0430	4½	1	RIG UP PREFABS
0430	0800	3½	1	RIG UP ROTARY TOOLS.

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m

WT. OF DC: 1000 daN
WT. OF STRING: 1000 daN

BIT RECORD

BIT NO.
SIZE (mm)
IADC CODE
MFG.
TYPE
SERIAL NO.
JETS (mm)
DEPTH OUT (m)
DEPTH IN (m)
TOTAL METRES DRILLED (m)
TOTAL HOURS RUN

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME
DENSITY kg/m³
FUNNEL VIS. - (S/L)
W.L. (cm³)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa) | PUMP NO. 1 LINER SIZE (mm) | PUMP NO. 1 S.P.M. | PUMP NO. 2 LINER SIZE (mm) | PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1600	8	1	RIG UP ROTARY TOOLS - STRING PASON CORDS & HYDRAULIC INSTRUMENTATION HOSES

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m

WT. OF DC: 1000 daN
WT. OF STRING: 1000 daN

BIT RECORD

BIT NO.
SIZE (mm)
IADC CODE
MFG.
TYPE
SERIAL NO.
JETS (mm)
DEPTH OUT (m)
DEPTH IN (m)
TOTAL METRES DRILLED (m)
TOTAL HOURS RUN

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED
TIME
DENSITY kg/m³
FUNNEL VIS. - (S/L)
W.L. (cm³)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa) | PUMP NO. 1 LINER SIZE (mm) | PUMP NO. 1 S.P.M. | PUMP NO. 2 LINER SIZE (mm) | PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED: @ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	1615	¼	22	WALK AROUND & SAFETY INSPECTION
1615	2400	7¾	14	REMOVE WELLHEAD & NIPPLE UP B.O.P.s

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
8					

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088700

LICENCE NO.: WID 1817 | WELL NAME AND NO.: FORT ST. JOHN DOME C-76-A

OPERATOR: PARAMOUNT | CONTRACTOR: **PRECISION DRILLING**

SURFACE LOCATION: LAT 60° 30' LONG 122° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS (OPR. / R.M.)
(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (using checklist)
(3) H²S Signs Posted (if required)
(4) Well License & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually inspect BOP's - Flarelines & Degasser Lines
(1) Rig Site Health and Safety Meeting (one/crew/month)
(2) C.A.O.D.I.C. Rig Safety Inspection Checklist (one/rig/month)
(3) Mast Inspection Before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills checked
(Initial / Initial)

YEAR: 98 | MONTH: 12 | DAY: 10
RIG NO.: 507
FUEL @ 8:00
RIG | BOILER

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

WEATHER: TEMPERATURE °C; CURRENT CONDITIONS; WIND DIRECTION; ROAD

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC.	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26
	MORN.																								
	DAY																								
	EVE.																								
	TOTAL																								

TOTALS

SHALE SHAKER(S): NO. | TYPE | SCREENS CHANGED ☐ YES ☐ NO | TOP | TOP | MIDDLE | MIDDLE | BOTTOM | BOTTOM

RENTALS/SERVICES

	MORN	DAY	EVE

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D.mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD: BIT NO. 1 | SIZE (mm) | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS (mm) | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METRES DRILLED (m) | TOTAL HOURS RUN

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1600	8	1	RIG UP ELECTRICAL CORDS, H2O LINES, STEAM LINES & HYDRAULIC LINES

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D.mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD: BIT NO. | SIZE (mm) | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS (mm) | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METRES DRILLED (m) | TOTAL HOURS RUN

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1600	8	1	STRING BLOCKS - PREPARE DERRICK TO RAISE - DERRICK UP @ 14:00 HRS RIG UP W/MEN
				BOILER RUNNING AT 16:00 hr

NOTES DERRICK INSPECTED PRIOR TO BEING RAISED

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D.mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD: BIT NO. | SIZE (mm) | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS (mm) | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METRES DRILLED (m) | TOTAL HOURS RUN

CUTTING STRUCTURE: T_i | T_o | MDC | LOC | B | Gage | ODC | Reason Pulled | Total Run m/hr.

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL

DESILTER: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DR-D RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1600	2000	4	1	RIG UP W/MEN

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

088699

LICENCE NO.:	WELL NAME AND NO.:
WID 1817	PARAMOUNT et al BOVIE C-76A

OPERATOR:	CONTRACTOR:
PARAMOUNT	PRECISION DRILLING
SURFACE LOCATION: LAT 60° 20' LONG 122° 45' PARA ETAL BOVIE C-76A	UNIQUE ID.:
SIGNATURE OF OPERATOR'S REPRESENTATIVE: [signature]	SIGNATURE OF CONTRACTOR'S RIG MANAGER: [signature]

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DAILY CHECKS (OPR. / R.M.)

(1) Daily Walk Around Inspection — Initial ____ Initial ____
(2) Detailed Inspection-Weekly (using checklist) — Initial ____ Initial ____
(3) H²S Signs Posted (if required) — Initial ____ Initial ____
(4) Well License & Stick Diagram Posted — Initial ____ Initial ____
(5) Flare Lines Staked — Initial ____ Initial ____
(6) BOP Drills Performed — Initial ____ Initial ____
(7) Visually inspect BOP's - Flarelines & Degasser Lines — Initial ____ Initial ____

(1) Rig Site Health and Safety Meeting (one/crew/month) — Initial ____
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month) — Initial ____
(3) Mast Inspection Before Raising or Lowering — Initial ____
(4) Crown Saver Checked — Initial ____
(5) Motor Kills checked — Initial ____

YEAR	MONTH	DAY
98	12	09

RIG NO. 507

FUEL @ 8:00 — RIG | BOILER

WEATHER: TEMPERATURE °C | CURRENT CONDITIONS | WIND DIRECTION | ROAD

LAST CASING TUBING OR LINER	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME - HRS

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTALS
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.						
MORN.																											
DAY																											
EVE.																											
TOTAL																											

SHALE SHAKER(S) — NO. | TYPE — SCREENS CHANGED ☐ YES ☐ NO — TOP / MIDDLE / BOTTOM

RENTALS/SERVICES — MORN. | DAY | EVE.

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour): NO. | BIT | O.D. mm | LENGTH — D.P. STANDS — D.P. SINGLES — KELLY DOWN — TOTAL — WT. OF DC — WT. OF STRING

BIT RECORD: BIT NO. | SIZE (mm) | IADC CODE | MFG. | TYPE | SERIAL NO. | JETS (mm) | DEPTH OUT (m) | DEPTH IN (m) | TOTAL METRES DRILLED (m) | TOTAL HOURS RUN | CUTTING STRUCTURE T_I T_O MDC LOC B Gage ODC Reason Pulled Total Run m/hr.

HOLE CONDITION: HOLE DRAG | TORQUE AT BOTTOM | FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE ☐ WATER BASED ☐ OIL BASED — TIME | DENSITY kg/m³ | FUNNEL VIS. - (S/L) | W.L. (cm³) | pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT X UNIT

SOLIDS CONTROL: DESILTER / CENTRIFUGE — HOURS RUN | INTAKE DENSITY (kg/m³) | OVERFLOW DENSITY (kg/m³) | UNDERFLOW DENSITY (kg/m³)

METRES DRILLED: FROM | TO | DRLG RMR CORE-C | ROTARY R.P.M. | WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa) — PUMP NO. 1 / PUMP NO. 2: LINER SIZE (mm) | S.P.M.

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEY: DEPTH (m) | DEVIATION (°) | DIRECTION

DRILLER SIGNATURE

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	~~2000~~ 1800	10	1	RIG UP WITH TRUCKS
1800	2000	2	1	RIG UP WITH MEN

NOTES: MIKE WILKIE WAS PINCHED BETWEEN CRANE + ROTARY SKID TAKEN TO FORT NELSON HOSPITAL, + PUT ON ~~LIGHT~~ MOD DUTY AT RIG

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

DAY TOUR

DRILLING ASSEMBLY (At End of Tour) / BIT RECORD / HOLE CONDITION / MUD RECORD / MUD MATERIALS ADDED / SOLIDS CONTROL / METRES DRILLED / REDUCED PUMP SPEED / DEVIATION SURVEY / DRILLER SIGNATURE

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	1800	10	1	RIG UP WITH TRUCKS
1800	2000	2	1	RIG UP WITH MEN

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

EVENING TOUR

DRILLING ASSEMBLY (At End of Tour) / BIT RECORD / HOLE CONDITION / MUD RECORD / MUD MATERIALS ADDED / SOLIDS CONTROL / METRES DRILLED / REDUCED PUMP SPEED / DEVIATION SURVEY / DRILLER SIGNATURE

TIME LOG / DETAILS OF OPERATION IN SEQUENCE AND REMARKS

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS

NOTES

BOILER HRS. RAN	ph	STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

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088698

LICENCE NO.: WID 1817

WELL NAME AND NO.: PARAMOUNT et al BOVIE C-76A

OPERATOR: PARAMOUNT

CONTRACTOR: PRECISION DRILLING

SURFACE LOCATION: LAT 60°20' Lo NG 122° 45' PAD OF AL BOVIE 76H

UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE:

SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS — OPR. / R.M.

(1) Daily Walk Around Inspection — Initial / Initial
(2) Detailed Inspection-Weekly (using checklist) — Initial / Initial
(3) H²S Signs Posted (if required) — Initial / Initial
(4) Well Licence & Stick Diagram Posted — Initial / Initial
(5) Flare Lines Staked — Initial / Initial
(6) BOP Drills Performed — Initial / Initial
(7) Visually inspect BOP's - Flarelines & Degasser Lines — Initial / Initial

(1) Rig Site Health and Safety Meeting (one/crew/month) — Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month) — Initial
(3) Mast Inspection Before Raising or Lowering — Initial
(4) Crown Saver Checked — Initial
(5) Motor Kills checked — Initial

YEAR: 98 MONTH: 12 DAY: 08

RIG NO.: 507

FUEL @ 8:00

RIG: BOILER:

WEATHER

TEMPERATURE °C
CURRENT CONDITIONS
WIND DIRECTION
ROAD

LAST CASING TUBING OR LINER

O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
OPER.	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRE LINE LOGS	RUN CASE & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MTG.					
MORN.																										
DAY																										
EVE.																										
TOTAL																										

TOTALS

SHALE SHAKER(S)

NO. TYPE

SCREENS CHANGED ☐ YES ☐ NO

TOP / TOP
MIDDLE / MIDDLE
BOTTOM / BOTTOM

RENTALS/SERVICES — MORN. / DAY / EVE.

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	02
SIZE (mm)	171.5
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRLD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1200	2000	8		TRAVEL TO RIG AT FORT LAIRD

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

MORNING TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRLD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
0800	2000	12	1	RIG UP WITH TRUCKS

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.
				RIG MOVE	

DAY TOUR

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
			m
D.P.	STANDS		m
D.P.	SINGLES		m
KELLY DOWN			m
TOTAL			m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.	
SIZE (mm)	
IADC CODE	
MFG.	
TYPE	
SERIAL NO.	
JETS (mm)	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL METRES DRILLED (m)	
TOTAL HOURS RUN	

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME	
DENSITY kg/m³	
FUNNEL VIS. - (S/L)	
W.L. (cm³)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)
HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

METRES DRILLED

FROM	TO	DRLD RM-R CORE-C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

EVENING TOUR

FOLD HERE →

088696

LICENCE NO.: WID 1817 | WELL NAME AND NO.: PARAMOUNT et al BOUIE C-76A

OPERATOR: PARAMOUNT | CONTRACTOR: **PRECISION DRILLING**

SURFACE LOCATION: LAT 60° 20' LONG 123° 45' | UNIQUE ID.:

SIGNATURE OF OPERATOR'S REPRESENTATIVE: | SIGNATURE OF CONTRACTOR'S RIG MANAGER:

DAILY CHECKS — OPR. / R.M.

(1) Daily Walk Around Inspection — Initial / Initial
(2) Detailed Inspection-Weekly (using checklist) — Initial / Initial
(3) H2S Signs Posted (if required) — Initial / Initial
(4) Well License & Stick Diagram Posted — Initial / Initial
(5) Flare Lines Staked — Initial / Initial
(6) BOP Drills Performed — Initial / Initial
(7) Visually Inspect BOP's - Flarelines & Degasser Lines — Initial / Initial

(1) Rig Site Health and Safety Meeting (one/crew/month) — Initial
(2) C.A.O.D.C. Rig Safety Inspection Checklist (one/rig/month) — Initial
(3) Mast Inspection Before Raising or Lowering — Initial
(4) Crown Saver Checked — Initial
(5) Motor Kills checked — Initial

YEAR: 98 | MONTH: 12 | DAY: 07

RIG NO.:

FUEL @ 8:00

RIG | BOILER

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN. I.D. (mm)	kg/m	MAKE	GRADE	NO. OF JOINTS	TOTAL(m) LENGTH	KB. TO CSG HEAD (m)	SET AT (m)

WEATHER

TEMPERATURE °C | CURRENT CONDITIONS | WIND DIRECTION | ROAD

DC/DP SIZE (mm)	LINEAR MASS (kg/m)	GRADE	MIN. ID (mm)	TOOL JT O.D. (mm)	TYPE THREAD	NO. OF JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LTH. (mm)

TIME-HRS

CODE NO.	1 OPER.	2 RIG UP & TEAR DOWN	3 DRILL ACTUAL	4 REAMING	5 CORING	6 COND. MUD & CIRC	7 TRIPS	8 RIG SERVICE	9 REPAIR RIG	10 CUT OFF DRILL LINE	11 DEV. SURVEY	12 WIRE LINE LOGS	13 RUN CASE & CEMENT	14 WAIT ON CEMENT	15 NIPPLE UP B.O.P.	16 TEST B.O.P.	17 DRILL STEM TEST	18 PLUG BACK	19 SQUEEZE CEMENT	20 FISHING	21 DIR. WORK	22 SAFETY MTG.	23	24	25	26	TOTALS
	MORN.																									
	DAY																									
	EVE.																									
	TOTAL																									

SHALE SHAKER(S)

NO.: | TYPE:

SCREENS CHANGED ☐ YES ☐ NO

TOP | TOP
MIDDLE | MIDDLE
BOTTOM | BOTTOM

RENTALS/SERVICES

	MORN.	DAY	EVE.

DRILLING ASSEMBLY (At End of Tour)

NO.	BIT	O.D. mm	LENGTH
			m
			m
			m
			m
			m
			m
			m
			m
			m
	D.P.	STANDS	m
	D.P.	SINGLES	m
	KELLY DOWN		m
	TOTAL		m
WT. OF DC			1000 daN
WT. OF STRING			1000 daN

BIT RECORD

BIT NO.
SIZE (mm)
IADC CODE
MFG.
TYPE
SERIAL NO.
JETS (mm)
DEPTH OUT (m)
DEPTH IN (m)
TOTAL METRES DRILLED (m)
TOTAL HOURS RUN

CUTTING STRUCTURE T_i	T_o	MDC	LOC	B	Gage	ODC	Reason Pulled	Total Run m/hr.

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MUD RECORD

MUD TYPE ☐ WATER BASED ☐ OIL BASED

TIME
DENSITY kg/m³
FUNNEL VIS. - (S/L)
W.L. (cm³)
pH

MUD MATERIALS ADDED

PRODUCT	AMOUNT X UNIT

SOLIDS CONTROL

DESILTER

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

HOURS RUN	INTAKE DENSITY (kg/m³)	OVERFLOW DENSITY (kg/m³)	UNDERFLOW DENSITY (kg/m³)

MORNING TOUR

METRES DRILLED

FROM	TO	DR'D RM'R CORE'C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS
1200	2000	8		TRAVEL TO CAMP AT FORT LAIRD

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

DAY TOUR

METRES DRILLED

FROM	TO	DR'D RM'R CORE'C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

EVENING TOUR

METRES DRILLED

FROM	TO	DR'D RM'R CORE'C	ROTARY R.P.M.	WT. ON BIT (1000 daN)

CIRCULATION PRESSURE (kPa)	PUMP NO. 1 LINER SIZE (mm)	PUMP NO. 1 S.P.M.	PUMP NO. 2 LINER SIZE (mm)	PUMP NO. 2 S.P.M.

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEY

DEPTH (m)	DEVIATION (°)	DIRECTION

DRILLER SIGNATURE

TIME LOG

FROM	TO	ELAP. TIME	CODE NO.	DETAILS OF OPERATION IN SEQUENCE AND REMARKS

NOTES

BOILER HRS. RAN	BOILER ph	BOILER STACK TEMP.	MAXIMUM EXPERIENCED HOOKLOAD	SAFETY TOPIC	M.A.C.P.

Dec 7-21/98

WID 1850