

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H- 03	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP	
SURFACE LOCATION :		UNIQUE I.D. : 300h036010117300	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	
BRIAN NEIGUM		BRIAN JONES	
SAFETY TOPIC			
LAST CASING TUBING OR LINER		O.D. mm MIN. I.D kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)	
177.8 161.7 34.20 ipsco/lo j-55/ls- 127 1663.17 0.80 1662.37		SHALE SHAKER(S) NO. 1 TYPE SWACO TYPE	
CHANGE SCREENS		YES NO	
TOP 110 TOP 110		MIDDLE 0	
BOTTOM 110 BOTTOM 110			
DC. DP SIZE KG / M GRADE MIN. ID TOOL JT. O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.		24.70 E CLAS 72 158 4.5 XH 165 ELCO HP 500 406	
118.10 E 60 158 4.5 E 16			
174.80 E 72 204 6 5/8 R 4			
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 TOTAL			
OPER. RIGUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CIRC. TRIPS RIG SERVICE REPAIR RIG CUT OFF DRLG. LINE DEV. SURVEY WIRELINE LOGS RUN CSG. & CEMENT WAIT ON CEMENT NIPPLE UP B.O.P. TEST B.O.P. DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING			
MORN 2.00 0.25 5.50 0.25 8.00			
DAY 2.75 0.25 4.75 0.25 8.00			
EVE 7.00 1.00 8.00			
TOTAL 7.00 2.75 2.00 0.50 11.25 0.50 24.00			
NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG TIME DETAIL			
BIT/ MILLS O.D.m m BIT NO. m SIZE (mm) m IADC CODE m MFG. m Type m SERIAL NO. m JETS (mm) m DEPTH IN (m) m DEPTH OUT (m) m TOTAL METER m TOTAL HOURS		WATER BASED OIL BASED TIME DENSITY kg/m3 FUNNEL VIS s/l W.L. cm/ FILCK PH	
DRILLPIPE STANDS m INNER OUTER DULL LOCATION BEARINGS GAGE(mm) REASON R.O.P.		MUD MATERIALS USED TYPE QTY UNITS	
DRILLPIPE SINGLES m		REDUCED PUMP SPEED @ @	
KEY DOWN m		SOLIDS CONTROL EQUIPMENT DESILTER HOURS INTAKE OVERFLOW UNDERFLOW	
TOTAL m		CENTRIFUGE HOURS INTAKE OVERFLOW UNDERFLOW	
WT. OF D.C. 1000 dan DRAG dan TORQUE		DEVIATION SURVEY DEPTH (m) DEVIATION DIRECTION	
WT. OF STRING 1000 dan FILL m		BOILER HRS. RUN PH STACK deg	
DRILLERS SIGNATURE JIM CARR		MACP 0 MAX HOOKLOAD	
		Notes: RIG RELEASED AT 24:00 2002-03-06	

DAY SHIFT

LICENCE NO. : 1940

WELL NAME AND NO. :

Para et al Cameron H- 03

OPERATOR. :

PARAMOUNT RESOURCES LTD.

CONTRACTOR. :

PRECISION DRILLING, div OF PLP

SURFACE LOCATION. :

UNIQUE I.D. :

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- (1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (Using Check List)
(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

Opr.	R.M.	YEAR 2002	MONTH 3	DAY 6
BN	BJ	RIG NO.: 117		
BN	BJ	FUEL @ 08:00 HRS.		
BN	BJ	RIG 8150	BOILER 8050	
BN	BJ	WEATHER	TEMPERATURE -27	
BN	BJ		CONDITIONS CLEAR	
BN	BJ		WIND DIRECTION N.E.	
BN	BJ		ROAD CONDITION ICE	

BRIAN NEIGUM

BRIAN JONES

SAFETY TOPIC

CEMENTING

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve		
	177.8		161.7		34.20		ipsco/lo		j-55/l-		127		1663.17		0.80		1662.37		NO. 1	TYPE SWACO		TYPE																	
																			CHANGE SCREENS				YES	NO															
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP 110																	
14		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406		MIDDLE		MIDDLE 0																	
3		118.10		E		60		158		4.5 E.		16								BOTTOM 110		BOTTOM 110																	
4		174.80		E		72		204		6 5/8 R		4																											
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	TOTAL												
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																		
MORN						2.00	0.25					5.50									0.25						8.00												
DAY					2.75		0.25					4.75									0.25						8.00												
EVE	7.00											1.00															8.00												
TOTAL	7.00				2.75	2.00	0.50					11.25									0.50						24.00												

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED					TIME LOG				TIME DETAIL			
NO.	BIT/ MILLS	O.D.mm		BIT NO.	2			WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE				
1	BIT SUB		0.25 m	SIZE (mm)	222.0			TIME		1200		1661.00					800	1200	4.00	12	RUN CASE			
1	D.C.		0.48 m	IADC CODE	0 0 0			DENSITY kg/m3		1130							1200	1445	2.75	5	COND MUD & CIRC			
11	D.C.		8.68 m	MFG.	VAREL			FUNNEL VIS s/l		72							1445	1500	0.25	7	RIG SERVICE FUNCTION HYDRIL			
1	JAR		103.07 m	Type	ETD-28			W.L. cm/ FILCK		9.0							1500	1515	0.25	21	SAFETY MTG. CEMENTING			
4	D.C.		6.23 m	SERIAL NO.	13997			PH		10.5							1515	1600	0.75	12	CEMENTING			
			37.48 m	JETS (mm)	14, 14, 14, 0			MUD MATERIALS USED				1400	@	34	@									
				DEPTH IN (m)	1575.00			DESCO	1	SX		REDUCED PUMP SPEED												
				DEPTH OUT (m)				SAWDUST	4	SX		SOLIDS CONTROL EQUIPMENT												
				TOTAL METER	86.00							DESILTER												
				TOTAL HOURS	26.25							HOURS	INTAKE	OVERFLOW	UNDERFLOW									
79	DRILLPIPE STANDS	1500.50m										0.00												
	DRILLPIPE SINGLES	4.31	m									CENTRIFUGE												
	KELLY DOWN	0.00	m									HOURS	INTAKE	OVERFLOW	UNDERFLOW									
	TOTAL	1661.00	m									8.00	1130	1000	1710									
	WT. OF D.C.	16	1000 dan	DRAG dan	0																			
	WT. OF STRING	46	1000 dan	TORQUE	0																			
				FILL m	0.00																			
DRILLERS SIGNATURE RICK KNUPP												BOILER					Notes: we cemented the casing with 20.7 Tonne of Fill lite 2-125, 3% A-9acc.							
												HRS. RUN PH STACK deg					and .7% R-6N retarder, 12 tonne of 0-1-0 g with 2% cac12 .4% ft-77							
												MACP 2927					plug down was at 16:38 hrs mar 6/02. we only got scav for return's							
												MAX HOOKLOAD 48												

MORNING SHIFT

LICENCE NO. : 1940

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(5) Motor Kills Checked

Opr. R.M.
BN BJ
BN BJ
BN BJ
BN BJ
BN BJ
BN BJ
BN BJ

YEAR 2002 MONTH 3 DAY 6
RIG NO.: 117
FUEL @ 08:00 HRS.
RIG 8150 BOILER 8050
TEMPERATURE -27
CONDITIONS CLEAR
WIND DIRECTION N.E.
ROAD CONDITION ICE

BRIAN NEIGUM

BRIAN JONES

SAFETY TOPIC

RUN CASING

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve		
	177.8		161.7		34.20		ipsco/lo		j-55/l-		127		1663.17		0.80		1662.37		NO. 1	TYPE SWACO		TYPE																	
																			CHANGE SCREENS			STA		ON															
																			TOP 110		TOP 110																		
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE		MIDDLE 0																	
114		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406																					
58		118.10		E		60		158		4.5 E.		16								BOTTOM 110		BOTTOM 110																	
204		174.80		E		72		204		6 5/8 R		4																											
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	TOTAL												
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND.MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																		
MORN						2.00	0.25					5.50									0.25					8.00													
DAY						2.75	0.25					4.75									0.25					8.00													
EVE	7.00											1.00														8.00													
TOTAL	7.00					2.75	2.00	0.50				11.25									0.50							24.00											

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT / MILLS 0.25 m

1 BIT SUB 0.48 m

1 D.C. 8.68 m

11 D.C. 103.07 m

1 JAR 6.23 m

4 D.C. 37.48 m

79 DRILLPIPE STANDS 1500.50m

DRILLPIPE SINGLES 4.31 m

KELLY DOWN 0.00 m

TOTAL 1661.00 m

WT. OF D.C. 16 1000 dan

WT. OF STRING 46 1000 dan

DRILLERS SIGNATURE MARTY WEBER

BIT NO. 2

SIZE (mm) 222.0

IADC CODE 0 0 0

MFG. VAREL

Type ETD-28

SERIAL NO. 13997

JETS (mm) 14, 14, 14, 30

DEPTH IN (m) 1575.00

DEPTH OUT (m)

TOTAL METER 86.00

TOTAL HOURS 26.25

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE (mm)

OTHER

REASON

R.O.P.

WATER BASED X OIL BASED

TIME 200 400 600

DENSITY kg/m3 1130 1130 1130

FUNNEL VIS s/l 75 75 754

W.L. cm/ FILCK 9.0 9.0 9.0

PH 9.0 9.0 9.0

TOT VOL: 23.40

MUD MATERIALS USED

TYPE QTY UNITS

SAWDUST 3 SX

FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT

1661.00 1661.00 6 0

PUMP NO. 1 PUMP NO. 2

LINER(mm) SPM LINER(mm) SPM

152.0 0.0

REDUCED PUMP SPEED

@ @

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

0.00 0 0 0

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

8.00

CENT #2

HOURS INTAKE OVERFLOW UNDERFLOW

8.00

BOILER

HRS. RUN PH STACK deg

8.00 11.0 240

MACP 3009

MAX HOOKLOAD 20

Notes:

Dave B. Bred

YEAR 2002	MONTH 3	DAY 6
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Dave Blood

EVENING SHIFT

LICENCE NO. : 1940

WELL NAME AND NO. : Para et al Cameron H- 03

OPERATOR :
PARAMOUNT RESOURCES LTD.

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(5) Motor Kills Checked

Opr.
BN
BN
BN
BN
BN
BN
BN

R.M.
BJ
BJ
BJ
BJ
BJ
BJ
BJ

YEAR 2002
MONTH 3
DAY 5

RIG NO.: 117

FUEL @ 08:00 HRS.

RIG 1750
BOILER 4100

WEATHER
TEMPERATURE -25
CONDITIONS CLEAR
WIND DIRECTION CALM
ROAD CONDITION ICE

BRIAN NEIGUM							BRIAN JONES										SAFETY TOPIC						L.D. D.P. AND D.C.																																
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES								Morn	Day	Eve																						
																			NO. 1		TYPE SWACO		TYPE																																
																			CHANGE SCREENS				YES		NO																														
																			TOP 110				TOP 110																																
																							MIDDLE 0																																
																						BOTTOM 110		BOTTOM 110																															
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																																					
114		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406																																					
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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		TOTAL	
OPER.		RIGUP & TEARDOWN		DRILL ACTUAL		REAMING		CORING		COND. MUD & CIRC.		TRIPS		RIG SERVICE		REPAIR RIG		CUT OFF DRLG. LINE		DEV. SURVEY		WIRELINE LOGS		RUN CSG. & CEMENT		WAIT ON CEMENT		NIPPLE UP B.O.P		TEST B.O.P.		DRILL STEM		PLUG BACK		SQUEEZE CEMENT		FISHING		DIRECTIONAL WORK		SAFETY MEETING		water line		fill pipe									
MORN										1.00		0.25								6.75																														8.00					
DAY										3.25		0.25				1.25				1.50																		0.25		1.00		0.50						8.00							
EVE								1.50		6.50																																				8.00									
TOTAL								1.50		10.75		0.50				1.25				8.25																		0.25		1.00		0.50						24.00							

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/ MILLS 0.25 m

BIT NO. 2

WATER BASED X OIL BASED

FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT

FROM TO ELAPSED TIME CODE

1 BIT SUB 0.48 m

SIZE (mm) 222.0

TIME 1900 2200 2400

1661.00 1661.00 0 0

1600 1700 1.00 6 TRIP RIH

1 D.C. 8.68 m

11 D.C. 103.07 m

IADC CODE 0 0 0

DENSITY kg/m3 1130 1130 1130

1700 1830 1.50 5 COND MUD & CIRC

1 JAR 6.23 m

FUNNEL VIS s/l 75 75 75

1830 2400 5.50 6 LAY DOWN PIPE AND COLLARS

4 D.C. 37.48 m

MFG. VAREL

W.L. cm/ FILCK 9.0 9.0 9.0

Circ. Press (kPa) PUMP NO. 1 PUMP NO. 2

PH 10.0 10.0 10.0

7000 152.0 60 0.0 0

TOT; VOL 33.00 32.00 30.00

REDUCED PUMP SPEED

2500 @ 35 @ 1661

TYPE QTY UNITS

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

0.00 0 0 0

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

8.00

DEVIATION SURVEY

HOURS INTAKE OVERFLOW UNDERFLOW

8.00

BOILER

HRS. RUN PH STACK deg

8.00 11.0 240

MACP 3009

MAX HOOKLOAD 48

DRAG dan 2000DAN

TORQUE 0

FILL m 0.25

DRILLERS SIGNATURE MARTY WEBER

Dave Bloch

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Para et al Cameron H- 03

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- (5) Motor Kills Checked

Opr.	R.M.	YEAR 2002	MONTH 3	DAY 5
BN	BJ	RIG NO.: 117		
BN	BJ	FUEL @ 08:00 HRS.		
BN	BJ			
BN	BJ	RIG 1750		
BN	BJ			
BN	BJ	BOILER 4100		
BN	BJ			
BN	BJ	WEATHER	TEMPERATURE -25	
BN	BJ		CONDITIONS CLEAR	
BN	BJ		WIND DIRECTION CALM	
BN	BJ		ROAD CONDITION ICE	
BN	BJ			

BRIAN NEIGUM

BRIAN JONES

SAFETY TOPIC

SPINNING CHAIN

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve	
																			NO. 1 TYPE SWACO																	
																			CHANGE SCREENS		YES	NO														
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP 110														
114		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406		MIDDLE		MIDDLE 0														
8		118.10		E		60		158		4.5 E.		16								BOTTOM		BOTTOM 110														
204		174.80		E		72		204		6 5/8 R		4																								
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OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAITON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	water line	fill pipe													
MORN						1.00	0.25				6.75															8.00										
DAY						3.25	0.25		1.25		1.50										0.25	1.00	0.50			8.00										
EVE					1.50	6.50																				8.00										
TOTAL					1.50	10.75	0.50		1.25		8.25										0.25	1.00	0.50			24.00										

[illegible]

Dave Rk

MORNING SHIFT

LICENCE NO. : 1940

WELL NAME AND NO. : Para et al Cameron H- 03

OPERATOR. :
PARAMOUNT RESOURCES LTD.

CONTRACTOR :
PRECISION DRILLING, div OF PLP

SURFACE LOCATION. :

UNIQUE I.D. :
300h036010117300

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (Using Check List)
(3) H2S Signs Posted(If Required)
(4) Well License & Slick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOP's - Flarelines & Degasser Lines

Opr. R.M.

BN BJ
BN BJ
BN BJ
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BN BJ
BN BJ
BN BJ

RIG NO.: 117

FUEL @ 08:00 HRS.

RIG 1750 BOILER 4100

(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

WEATHER

BJ
BJ
BJ
BJ
BJ

TEMPERATURE -25
CONDITIONS CLEAR
WIND DIRECTION CALM
ROAD CONDITION ICE

BRIAN NEIGUM

BRIAN JONES

SAFETY TOPIC
logging

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)		RENTALS / SERVICES										Morn	Day	Eve													
	NO.	TYPE	SWACO	TYPE	CHANGE SCREENS		YES	NO	TOP	110	TOP	110	MIDDLE	0	BOTTOM	110	BOTTOM	110											TOTAL																	
DC. DP SIZE	KG / M	GRADE	MIN.ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.																																					
114	24.70	E CLAS	72	158	4.5 XH	165	ELCO	HP 500	406																																					
58	118.10	E	60	158	4.5 E	16																																								
204	174.80	E	72	204	6 5/8 R	4																																								
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	TOTAL																			
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	water line	fill pipe																							
MORN						1.00	0.25				6.75																	8.00																		
DAY						3.25	0.25		1.25		1.50										0.25	1.00	0.50					8.00																		
EVE					1.50	6.50																						8.00																		
TOTAL					1.50	10.75	0.50		1.25		8.25										0.25	1.00	0.50					24.00																		

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/ MILLS O.D.mm 0.25 m

1 BIT SUB 0.48 m

1 D.C. 8.68 m

1 STAB 1.44 m

1 SHOCK SUE 2.13 m

11 D.C. 103.07 m

1 JAR 6.23 m

4 D.C. 37.48 m

78 DRILLPIPE STANDS 1480.85m

1 DRILLPIPE SINGLES 9.76 m

KELLY DOWN 10.63 m

TOTAL 1661.00 m

WT. OF D.C. 16

WT. OF STRING 46

DRILLERS SIGNATURE MARTY WEBER

BIT NO. 2

SIZE (mm) 222.0

IADC CODE 0 0 0

MFG. VAREL

Type ETD-28

SERIAL NO. 13997

JETS (mm) 14,14,14,0

DEPTH IN (m) 1575.00

DEPTH OUT (m)

TOTAL METER 86.00

TOTAL HOURS 26.25

INNER

OUTER

DULL

LOCATION

BEARINGS

GAGE(mm)

OTHER

REASON

R.O.P.

WATER BASED X OIL BASED

TIME 200 400 600

DENSITY kg/m3 1120 1120 1120

FUNNEL VIS s/l 75 75 75

W.L. cm/ FILCH 9.0 9.0 9.0

PH 10.0 10.0 10.0

vol m3 34.00 34.00 34.00

MUD MATERIALS USED

TYPE QTY UNITS

DEPTH (m) DEVIATION DIRECTION

FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT

1661.00 1661.00 0 0

Circ. Press (kPa) PUMP NO. 1 PUMP NO. 2

7000 152.0 60 0.0 0

REDUCED PUMP SPEED

2500 @ 35 @ 1661

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

0.00 0 0 0

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

0.00 0 0 0

DEVIATION SURVEY

HOURS INTAKE OVERFLOW UNDERFLOW

0.00 0 0 0

BOILER

HRS. RUN PH STACK deg

8.00 11.0 240

MACP 3009

MAX HOOKLOAD 20

FROM TO ELAPSED TIME CODE

0 15 0.25 7

15 115 1.00 6

115 800 6.75 11

800

Visually inspect flare and degasser lines. Check BOP

Check bowl valves, handles, spools, kill line valves

HCR and HCR back up valves sweep line, Manifold valves

Flow through bottom choke. Check SIDPP guage

Check accumulator lines and pressures 21000 KPA

Check stabbing valve and inside BOP valve

Check rig breaks and linkage inspect Rig tongs, slips, and elevators

Test crown savers and MSOs

Mointor trip tank volume every 10 to 15 minutes while o.o.h.

Notes:

Dave Bles

YEAR 2002	MONTH 3	DAY 5
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Daniel Blee

LICENCE NO.: 1940						WELL NAME AND NO.: Para et al Cameron H- 03																								
OPERATOR.: PARAMOUNT RESOURCES LTD.										CONTRACTOR.: PRECISION DRILLING, div OF PLP																				
SURFACE LOCATION.:										UNIQUE I.D.: 300h036010117300																				
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)										CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)																				
BRIAN NEIGUM										BRIAN JONES										SAFETY TOPIC						TRIPPING				
LAST CASING TUBING OR LINER		O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve	
												NO. 1	TYPE SWACO	TYPE																
												CHANGE SCREENS		YES	6															
												TOP 110	TOP 110																	
DC . DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	MIDDLE		MIDDLE 0																		
114	24.70	E CLAS	72	158	4.5 XH	165	ELCO	HP 500	406																					
	118.10	E	60	158	4.5 E	16																								
	174.80	E	72	204	6.5/8 R	4																								
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	TOTAL			
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELIN LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING									
MORN		7.75					0.25																			8.00				
DAY		3.25			1.00	3.50	0.25																			8.00				
EVE					2.50	5.50																				8.00				
TOTAL		11.00			3.50	9.00	0.50																			24.00				
NO. DRILLING ASSEMBLY (AT END OF TOUR)		BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL												
1	BIT/ MILLS	O.D.mm	0.25	m	BIT NO.	2	WATER BASED x		OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE											
1	BIT SUB		0.48	m	SIZE (mm)	222.0	TIME	1800	2100	2400	1661.00	1661.00		0	0	1600	1830	2.50	5	COND MUD & CIRC										
1	D.C.		8.68	m	IADC CODE	0 0 0	DENSITY kg/m3	1130	1130	1120						1830	2400	5.50	6	TRIPS P.O.O.H. TO LOG Chain out, strap out, test crown saver.										
1	SHOCK SUB		2.13	m	MFG.	VAREL	FUNNEL VIS s/l	75	75	75						2400				Test stabbing valve @ wrench TEST AIR HORN , M.S.O.'s										
11	D.C.		103.07	m	Type	ETD-28	W.L. cm/ FILCK	9.0	9.0	9.0	Circ. Press (kPa)	PUMP NO. 1	SPM	LINER(mm)	SPM					FLOW CHECKS @ 1652M , 1552, M, 1459M , 1315M, 1204M										
1	JAR		6.23	m	SERIAL NO.	13997	PH	10.0	10.0	10.0	7900	152.0	60	0.0	0					925M, 739m, 740m, 588m, 437m, 170m,0m, test blind rams										
4	D.C.		37.48	m	JETS (mm)	14,14,14,10	MUD MATERIALS USED				2500	@	35	@	1661					TRIP RECORD #1002 cal: 7.23m3 measued:7.40m3 diff: .17m3										
				m	DEPTH IN (m)	1575.00	TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT																				
				m	DEPTH OUT (m)		SAWDUST	3	SX	DESILTER																				
				m	TOTAL METER	86.00	HOURS	INTAKE	OVERFLOW	UNDERFLOW	CENTRIFUGE																			
				m	TOTAL HOURS	26.25	8.00																							
78	DRILLPIPE STANDS	1480.85m	DEVIATION SURVEY				cent #2																							
1	DRILLPIPE SINGLES	9.76 m	DEPTH (m)	DEVIATION	DIRECTION	8.00																								
KELLY DOWN	10.63	m	BOILER PH STACK deg																											
TOTAL	1661.00	m	HRS. RUN																											
WT. OF D.C.	16	1000 dan	TORQUE																											
WT. OF STRING	46	1000 dan	MACP																											
DRILLERS SIGNATURE		MARTY WEBER		MAX HOOKLOAD		48																								

LICENCE NO. : **1940**

WELL NAME AND NO. :

Para et al Cameron H- 03

OPERATOR. : **PARAMOUNT RESOURCES LTD.**

CONTRACTOR: **PRECISION DRILLING, div OF PLP**

SURFACE LOCATION. :

UNIQUE I.D. : 300h036010117300

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE
& CORRECT TO THE BEST OF MY ABILITY)

BRIAN NEIGUM

BRIAN JONES

SAFETY TOPIC

TONGS

[illegible]

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED					TIME LOG				TIME DETAIL				
NO.	BIT/ MILLS	O.D.mm		BIT NO.	2			WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE					
1	BIT SUB	0.48	m	SIZE (mm)	222.0			TIME	800	1100	1400	1652.00	1661.00	D	80	12	800	815	0.25	7	RIG SERVICE CHECK PIPE RAMS				
1	D.C.	8.68	m	IADC CODE	0	0	0	DENSITY kg/m3	1130	1130	1130						815	915	1.00	2	DRILL 1652 TO 1655				
1	STAB	1.44	m	FUNNEL VIS s/l				50	52	65							915	945	0.50	5	CIRC. UP SAMPLE				
11	SHOCK SUB	2.13	m	W.L. cm/ FILCK				9.0	9.0	9.0							945	1200	2.25	2	DRILL 1655 TO 1661				
1	JAR	6.23	m	PH	9.5	9.5	10.0					Circ. Press (kPa)	PUMP NO. 1 LINER(mm)	SPM	PUMP NO. 2 LINER(mm)	SPM	1200	1230	0.50	5	CIRC. SAMPLE,PUMP PILL,AND BLOW KELLY				
4	D.C.	37.48	m	Type	ETD-28							7900	152.0	60	0.0		1230	1445	2.25	6	TRIP POOH FLOW CHECK 1661,1554,1286,AND 1080				
				SERIAL NO.	13997			MUD MATERIALS USED				2300	@ 34		@	1660	1445	1600	1.25	6	TRIP RIH				
				JETS (mm)	14,14,14,10			TYPE		QTY	UNITS	SOLIDS CONTROL EQUIPMENT													
				DEPTH IN (m)	1575.00			ENVIROFLOC		3	SX	DESILTER													
				DEPTH OUT (m)				GEL		50	SX	HOURS										INTAKE	OVERFLOW	UNDERFLOW	
				TOTAL METER	86.00			SODA ASH		18	SX	0.00													
				TOTAL HOURS	26.25			BARITE		33	SX	CENTRIFUGE													
78	DRILLPIPE STANDS	1480.85m										HOURS										INTAKE	OVERFLOW	UNDERFLOW	
1	DRILLPIPE SINGLES	9.76	m									8.00										1130	1120	1760	
	KELLY DOWN	10.63	m									CENTRIFUGE													
	TOTAL	1661.00	m									HOURS										INTAKE	OVERFLOW	UNDERFLOW	
	WT. OF D.C.	16	1000 dant	DRAG dan	2000DAN			DEPTH (m)		DEVIATION	DIRECTION	8.00										1130	1120	1830	
	WT. OF STRING	44	1000 dant	TORQUE	0							HRS. RUN										BOILER PH	STACK deg	Notes:	
	DRILLERS SIGNATURE	RICK KNUPP										48										MACP	2927		
				FILL m	2.00							MAX HOOKLOAD										48			

Dave Bb

LICENCE NO. : 1940	WELL NAME AND NO. : Para et al Cameron H- 03	(2) Detailed Inspection-Weekly (Using Check List) (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		BN BJ BN BJ BN BJ BN BJ BN BJ	117 FUEL @ 08:00 HRS. RIG 3400 BOILER 5600
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : PRECISION DRILLING, div OF PLP				
SURFACE LOCATION :	UNIQUE I.D. : 300h036010117300	(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		BJ BJ BJ BJ BJ	WEATHER TEMPERATURE -16 CONDITIONS cloudy WIND DIRECTION NORTH ROAD CONDITION ICE
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)			

Dave Blair

YEAR 2002	MONTH 3	DAY 4
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Dave Bloof

LICENCE NO. : 1940	WELL NAME AND NO. : Para et al Cameron H- 03	(2) 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	BN BJ BN BJ BN BJ BN BJ BN BJ	117 FUEL @ 08:00 HRS. RIG 5700 BOILER 6750
OPERATOR. : PARAMOUNT RESOURCES LTD.	CONTRACTOR. : PRECISION DRILLING, div OF PLP	(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	BJ BJ BJ BJ BJ	WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION
SURFACE LOCATION. :	UNIQUE I.D. : 300h036010117300			
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		

BRIAN NEIGUM														BRIAN JONES														SAFETY TOPIC					DRIVING				
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve		
																			NO. 1		TYPE SWACO		TYPE														
																			CHANGE SCREENS																		
DC. DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP 110															
14		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406		MIDDLE		MIDDLE 0															
1		118.10		E		60		158		4.5 E		16								BOTTOM 110		BOTTOM 110															
14		174.80		E		72		204		6.5/8 R		4																									
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	TOTAL										
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	B.H.A.															
MORN						7.00	0.25															0.75				8.00											
DAY		7.50					0.25														0.25					8.00											
EVE		7.75					0.25																			8.00											
TOTAL		15.25				7.00	0.75														0.25	0.75				24.00											
DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL											
NO.	BIT/ MILLS	O.D.mmm	0.25	m	BIT NO.	2				WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE															
1	BIT SUB		0.48	m	SIZE (mm)	222.0				TIME	1815	2100	2400	1603.00	1633.00	D	80	12	1600	1615	0.25	7	RIG SERVICE TEST PIPE RAMS														
1	D.C.		8.68	m						DENSITY kg/m3	1090	1090	1090							1615	2400	7.75	2	DRILL 1603m to1633m													
1	STAB		1.44	m	IADC CODE	0	0	0		FUNNEL VIS s/l	46	45	46																								
1	SHOCK SUE		2.13	m						W.L. cm/ FILCK	10.0	10.0	10.0																								
11	D.C.		103.07	m	MFG.	VAREL				PH	10.5	10.5	10.5																								
1	JAR		6.23	m	Type	ETD-28				CAL	70.00	120.00	150.00																								
4	D.C.		37.48	m	SERIAL NO.	13997																															
				m	JETS (mm)	14,14,14,10																															
				m	DEPTH IN (m)	1575.00																															
				m	DEPTH OUT (m)																																
				m	TOTAL METER	58.00																															
				m	TOTAL HOURS	15.25																															
77	DRILLPIPE	STANDS	1462.19m		INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE/mm	OTHER	REASON	R.O.P.																								
	DRILLPIPE	SINGLES		m																																	
	KELLY DOWN	11.42		m																																	
	TOTAL	1633.37		m																																	
	WT. OF D.C.	16		1000 dan	DRAG dan	2000DAN																															
	WT. OF STRING	44		1000 dan	TORQUE	0																															
				dan	FILL m	0.00																															
DRILLERS SIGNATURE					MARTY WEBER																																

MORNING SHIFT

LICENCE NO. : 1940

WELL NAME AND NO. : Para et al Cameron H- 03

OPERATOR :
PARAMOUNT RESOURCES LTD.

CONTRACTOR :
PRECISION DRILLING, div OF PLP

SURFACE LOCATION :

UNIQUE I.D. :
300h036010117300

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (Using Check List)
(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

Opr. R.M.

BN BJ
BN BJ
BN BJ
BN BJ
BN BJ
BN BJ
BN BJ

YEAR 2002 MONTH 3 DAY 3

RIG NO.: 117

FUEL @ 08:00 HRS.

RIG 5700 BOILER 6750

WEATHER

TEMPERATURE
CONDITIONS
WIND DIRECTION
ROAD CONDITION

(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

BJ
BJ
BJ
BJ
BJ

BRIAN NEIGUM

BRIAN JONES

SAFETY TOPIC
dog collars

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve	
																			NO. 1	TYPE SWACO		TYPE																
																			CHANGE SCREENS		YES	NO																
																					TOP 110	TOP 110																
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE		MIDDLE 0																
114		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406																				
58		118.10		E		60		158		4.5 E.		16								BOTTOM 110		BOTTOM 110																
204		174.80		E		72		204		6 5/8 R		4																										
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	TOTAL										
OPER.		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	B.H.A.															
MORN							7.00	0.25															0.75					8.00										
DAY			7.50					0.25														0.25						8.00										
EVE			7.75					0.25																				8.00										
TOTAL			15.25				7.00	0.75														0.25	0.75					24.00										

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

1 BIT/MILLS O.D.mm 0.25 m BIT NO. 2

1 BIT SUB 0.48 m SIZE(mm) 222.0

1 D.C. 8.68 m IADC CODE 0 0 0

1 STAB 1.44 m MFG. VAREL

1 SHOCK SUB 2.13 m Type ETD-28

11 D.C. 103.07 m SERIAL NO. 13997

1 JAR 6.23 m JETS (mm) 14,14,14,10

4 D.C. 37.48 m DEPTH IN (m)

1 D.C. 37.48 m DEPTH OUT (m)

74 DRILLPIPE STANDS 1405.50m TOTAL METER

DRILLPIPE SINGLES 9.68m TOTAL HOURS

KELLY DOWN 9.68m

TOTAL 1575.00m

.. OF D.C. 16

WT. OF STRING 44

DRILLERS SIGNATURE MARTY WEBER

WATER BASED X OIL BASED

TIME 200 400 800

DENSITY kg/m3 1110 1110 1110

FUNNEL VIS s/l 50 50 50

W.L. cm/ FILCK 14.0 14.0 14.0

PH 10.5 10.5 10.5

CAL 150.00 150.00 150.00

MUD MATERIALS USED

TYPE QTY UNITS

DEVIATION SURVEY

DEPTH (m) DEVIATION DIRECTION

FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT

1575.00

PUMP NO. 1 PUMP NO. 2

152.0 0.0

REDUCED PUMP SPEED

@ @

SOLIDS CONTROL EQUIPMENT

DESILTER

HOURS INTAKE OVERFLOW UNDERFLOW

0.00 0 0

CENTRIFUGE

HOURS INTAKE OVERFLOW UNDERFLOW

8.00

cent #2

HOURS INTAKE OVERFLOW UNDERFLOW

8.00

BOILER

HRS. RUN PH STACK deg

8.00 11.0 230

MACP 3050

MAX HOOKLOAD 40

FROM TO ELAPSED TIME CODE

0 15 0.25 7

15 345 3.50 6

345

345 430 0.75 22

430 800 3.50 6

800

VISUALLY INSPECT FLARE AND DEGASSER LINES CHECK BOP'S8

CHECK BOWL VALVES, AND HANDLES,SPOOLS, KILL LINE VALVES

HCR AND HCR BACK UP VALVES SWEEP LINE, MANIFOLD VALVES

FLOW THROUGH BOTTOM CHOKE CHECK SIDPP GUAGE

CHECK ACCUMULATOR LINES AND PRESSURES 21000 KPA

CHECK STABBING VALVE AND INSIDE BOP VALVE @WRENCH

CHECK RIG BREAKS AND LINKAGE. INSPECT RIG TONGS,SLIPS AND

ELAVATORS TEST CROWN SAVERS AND M.S.0'S

Notes:

Dave Black

YEAR 2002	MONTH 3	DAY 3
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12 Dave Block

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061		(2) Detailed Inspection-Weekly (Using Check List) (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		BN BJ BN BJ BN BJ BN BJ BN BJ		RIG NO.: 117	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP						FUEL @ 08:00 HRS.	
SURFACE LOCATION : 60:02:23.74 N 11		UNIQUE I.D. :						RIG 7700 BOILER 7900	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		(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		BJ BJ BJ BJ BJ		WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION	

BRIAN NEIGUM										BRIAN JONES										SAFETY TOPIC					tripping														
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve				
																			NO. 1		TYPE		TYPE																
																			CHANGE SCREENS		X		Y		Z														
																					TOP		TOP																
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		110		110				MIDDLE		MIDDLE		0																
114	24.70	E CLAS	72	158	4.5 XH	165	ELCO		HP 500		406																												
118	118.10	E	60	158	4.5 E	16																																	
174	174.80	E	72	204	6 5/8 R	4																																	
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	TOTAL												
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	screens	pump lub																
MORN		7.25					0.25															0.25	0.25				8.00												
DAY		6.75					0.25			0.75											0.25						8.00												
EVE		5.50			0.50	1.75	0.25																				8.00												
TOTAL		19.50			0.50	1.75	0.75			0.75											0.25	0.25	0.25				24.00												
DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD					MUD RECORD					METERS DRILLED					TIME LOG					TIME DETAIL									
NO.	BIT/ MILLS	O.D.mm	0.25	m	BIT NO.	1	2	WATER BASED			X	OIL BASED			FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																
1	TORQUE SU		2.00	m	SIZE (mm)	222.0	222.0	TIME			2000	2200	2400	1549.00	1575.00	D	80	8		1600	2130	5.50	2	DRILL 1549 1575m															
1	D.C.		8.68	m				DENSITY kg/m3			1110	1110	1110							2130	2145	0.25	7	RIG SERVICE test pipe rams 3/3 o/c															
1	STAB		1.44	m	IADC CODE	0														2145	2215	0.50	5	COND MUD & CIRC sample 1575m															
1	SHOCK SUB		2.13	m				FUNNEL VIS s/l			45	50	50							2215	2400	1.75	6	TRIPS p.o.o.h. flow checks @ 1575,1470,1312,1102,920,															
1	D.C.		103.07	m	MFG.	HUGHES	VAREL	W.L cm/ FILCK			13.0	14.0	14.0																										
1	JAR		6.23	m	Type	PDC-HC-4	ETD-28	PH			9.5	10.0	10.5																										
4	D.C.		37.48	m	SERIAL NO.	DP0421	13997	CAL;			300.00	240.00	150.00																										
				m	JETS (mm)	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5																			
				m	DEPTH IN (m)	423.00		MUD MATERIALS USED			TYPE			QTY	UNITS	REDUCED PUMP SPEED			2200	@	34	@	1575																
				m	DEPTH OUT (m)			BARITE			15	SX	SOLIDS CONTROL EQUIPMENT			DESILTER																							
				m	TOTAL METER	1152.00		CAUSTIC			2	SX	CENTRIFUGE			HOURS			INTAKE	OVERFLOW	UNDERFLOW																		
				m	TOTAL HOURS	65.75		DRISPAC			4	SX	HOURS			INTAKE	OVERFLOW	UNDERFLOW																					
				m				LIGNITE			6	SX	CENTRIFUGE			HOURS			INTAKE	OVERFLOW	UNDERFLOW																		
				m				SODA ASH			18	SX	CENTRIFUGE			HOURS			INTAKE	OVERFLOW	UNDERFLOW																		
				m				SAWDUST			3	SX	CENTRIFUGE			HOURS			INTAKE	OVERFLOW	UNDERFLOW																		
74	DRILLPIPE	STANDS	1405.50m		INNER	OUTER	PULL	LOCATION	BEARINGS	GAGE(mm)	OTHER	REASON	R.O.P.	DEVIATION SURVEY			HOURS			INTAKE	OVERFLOW	UNDERFLOW																	
	DRILLPIPE	SINGLES		m										DEVIATION SURVEY			HOURS			INTAKE	OVERFLOW	UNDERFLOW																	
	KELLY DOWN	8.16	m											DEVIATION SURVEY			HOURS			INTAKE	OVERFLOW	UNDERFLOW																	
	TOTAL	1575.00	m											DEVIATION SURVEY			HOURS			INTAKE	OVERFLOW	UNDERFLOW																	
	J.D.C.	16	1000	dan	DRAG dan	3000								DEVIATION SURVEY			HOURS			INTAKE	OVERFLOW	UNDERFLOW																	
					TORQUE	0								DEVIATION SURVEY			HOURS			INTAKE	OVERFLOW	UNDERFLOW																	
WT. OF STRING	44	1000	dan		FILL m	0.00								DEVIATION SURVEY			HOURS			INTAKE	OVERFLOW	UNDERFLOW																	
DRILLERS SIGNATURE MARTY WEBER																				BOILER					Notes:														
																				HRS. RUN					PH					STACK deg									
																				MACP					3050														
																				MAX HOOKLOAD					48														

LICENCE NO. : **1940**

WELL NAME AND NO. :

Para et al Cameron H-03 AFE#01N210061

OPERATOR.: **PARAMOUNT RESOURCES LTD.**

CONTRACTOR: **PRECISION DRILLING, div OF PLP**

SURFACE LOCATION. : 60:02:23.74 N 11

UNIQUE I.D. :

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE
& CORRECT TO THE BEST OF MY ABILITY)

BRIAN NEIGUM

BRIAN JONES

SAFETY TOPIC

Air Trailers Rig Rat

LAST CASING TUBING OR LINER	PUMP DATA										SHAPE TONS				All Hangers Rig Hat				
	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)			RENTALS / SERVICES			Morn	Day	Even	
										NO. 1	TYPE SWACO	TYPE							
										CHANGE SCREENS			X	YES	NO				
DC. DP SIZE	KG / M	GRADE	MIN.ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	TOP 110		TOP 110							
114	24.70	E CLAS	72	158	4.5 XH	165	ELCO	HP 500	406	MIDDLE		MIDDLE 0							
118	118.10	E	60	158	4.5 E	16				BOTTOM		BOTTOM 110							
114	174.80	E	72	204	6 5/8 R	4													

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	TOTAL
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPLLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	screens	pump lub				
MORN		7.25					0.25															0.25	0.25				
DAY		6.75					0.25			0.75											0.25						
EVE		5.50			0.50	1.75	0.25																				
TOTAL		19.50			0.50	1.75	0.75			0.75											0.25	0.25	0.25				
DRILLING ACCURACY																											

[illegible]

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061		(2) Detailed Inspection-Weekly (Using Check List) (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		BN BJ BN BJ BN BJ BN BJ BN BJ		RIG NO.: 117	
OPERATOR. : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP						FUEL @ 08:00 HRS.	
SURFACE LOCATION. : 60:02:23.74 N 11		UNIQUE I.D. :						RIG 7700 BOILER 7900	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		(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		BJ BJ BJ BJ BJ		WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION	

BRIAN NEIGUM										BRIAN JONES										SAFETY TOPIC										P.U. PIPE									
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve				
																			NO. 1		TYPE																		
																			CHANGE SCREENS		X		YES		NO														
DC . DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP 110																	
114		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406		MIDDLE		MIDDLE 0																	
58		118.10		E		60		158		4.5 E.		16								BOTTOM 110		BOTTOM 110																	
204		174.80		E		72		204		6 5/8 R		4																											
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	TOTAL												
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	screens	pump lub																
MORN		7.25					0.25															0.25	0.25			8.00													
DAY		6.75					0.25			0.75											0.25					8.00													
EVE		5.50			0.50	1.75	0.25																			8.00													
TOTAL		19.50			0.50	1.75	0.75			0.75											0.25	0.25	0.25			24.00													
DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL													
NO.	BIT/ MILLS	O.D.mm	0.25	m	BIT NO.	1	WATER BASED			X	OIL BASED			FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																	
1	TORQUE SU		2.00	m	SIZE (mm)	222.0	TIME			200	400	600	1407.00	1490.00	D	80	8	0	15	0.25	7	RIG SERVICE TEST HYDRILL C/O/ 11/ 11 SEC test cair horn																	
1	D.C.		8.68	m			DENSITY kg/m3			1080	1080	1085						15	100	0.75	2	DRILL1407 TO 1426M																	
1	STAB		1.44	m	IADC CODE	0	FUNNEL VIS s/l			44	46	49						100	115	0.25	22	CHANGE SHAKER SCREENS																	
1	SHOCK SUB		2.13	m	MFG.	HUGHES	W.L cm/ FILCK			11.0	11.0	11.0						115	315	2.00	2	DRILL 1426 M TO 1445																	
1	JAR		6.23	m	Type	PDC-HC-4	PH			10.0	10.0	10.0						315	330	0.25	23	W.O. pump lubcators																	
4	D.C.		37.48	m	SERIAL NO.	DP0421												330	800	4.50	2	DRILL 1445m to 1490																	
				m	JETS (mm)	11.511.511.511.5																																	
				m	DEPTHIN (m)	423.00	MUD MATERIALS USED						REDUCED PUMP SPEED																										
				m	DEPTH OUT (m)		TYPE			QTY	UNITS	SOLIDS CONTROL EQUIPMENT																											
				m	TOTAL METER	1067.00	SAWDUST			3	SX	DESILTER																											
				m	TOTAL HOURS	53.50	CAUSTIC			3	SX	HOURS			INTAKE	OVERFLOW	UNDERFLOW																						
				m	INNER		DRISPAC			3	SX	0.00			0	0	0																						
				m	OUTER		LIGNITE			3	SX																												
				m	DULL		GEL			30	SX																												
				m	LOCATION		SODA ASH			34	SX																												
				m	BEARINGS																																		
				m	GADE(mm)																																		
				m	OTHER																																		
				m	REASON																																		
				m	R.O.P.																																		
69	DRILLPIPE	STANDS	1311.22m		INNER																																		
1	DRILLPIPE	SINGLES	9.37	m	OUTER																																		
KELLY DOWN		8.13		m	DULL																																		
TOTAL		1490.00		m	LOCATION																																		
.. OF D.C.		16		1000	DRAG dan	2000dan																																	
WT. OF STRING		40		1000	TORQUE	0																																	
				dan	FILL m	0.00																																	
DRILLERS SIGNATURE										MARTY WEBER																													
																				MACP																			
																				MAX HOOKLOAD										45									

YEAR 2002	MONTH 3	DAY 2
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Dave Blood

EVENING SHIFT

LICENCE NO. : 1940

WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : PRECISION DRILLING, div OF PLP

SURFACE LOCATION : 60:02:23.74 N 11

UNIQUE I.D. :

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (Using Check List)
(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

Opr. R.M.

BN BJ
BN BJ
BN BJ
BN BJ
BN BJ
BN BJ
BN BJ

RIG NO.: 117

FUEL @ 08:00 HRS.

RIG 2750

BOILER 3000

(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

WEATHER

BJ
BJ
BJ
BJ

TEMPERATURE -23

CONDITIONS CLEAR

WIND DIRECTION CALM

ROAD CONDITION ICE

BRIAN NEIGUM

BRIAN JONES

SAFETY TOPIC H2S

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)		RENTALS / SERVICES										Morn	Day	Eve
	NO.	1	TYPE	SWACO	TYPE	CHANGE SCREENS		YES	NO	TOP		TOP		MIDDLE		MIDDLE		BOTTOM		BOTTOM													
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																						
114	24.70	E CLAS	72	158	4.5 XH	165	ELCO		HP 500		406																						
9	118.10	E	60	158	4.5 E	16																											
4	174.80	E	72	204	6 5/8 R	4																											
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	TOTAL						
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	WIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING												
MORN		6.50					0.25			1.00					0.25												8.00						
DAY		7.25					0.25			0.50																	8.00						
EVE		7.00					0.25			0.50											0.25						8.00						
TOTAL		20.75					0.75			2.00					0.25						0.25						24.00						

NO. DRILLING ASSEMBLY (AT END OF TOUR)

BIT RECORD

MUD RECORD

METERS DRILLED

TIME LOG

TIME DETAIL

NO.	BIT / MILLS	O.D. mm	0.25	m	BIT NO.	1	WATER BASED X			OIL BASED			FROM	TO	DRILL / REAM / CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE			
							TIME	1800	2100	2300														
1	TORQUE SL		2.00	m	SIZE (mm)	222.0	DENSITY kg/m3	1070	1080	1090			1311.00	1407.00	D	80	8	1600	1630	0.50	2	DRILL 1311 TO 1321M		
1	D.C.		8.68	m	IADC CODE	0	FUNNEL VIS s/l	40	40	40								1630	1645	0.25	7	RIG SERVICE TEST PIPE RAMS		
1	STAB		1.44	m	MFG.	HUGHES	W.L. cm/ FILCK	12.0	10.0	9.0								1645	1945	3.00	2	DRILL 1321M TO 1359m		
1	SHOCK SUB		2.13	m	Type	PDC-HC-4	PH	10.0	10.5	9.5								1945	2000	0.25	21	SAFETY MTG. on H2 s		
11	D.C.		103.07	m	SERIAL NO.	DP0421	MUD MATERIALS USED			REDUCED PUMP SPEED								2000	2230	2.50	2	DRILL 1359m to 1388m		
1	JAR		6.23	m	JETS (mm)	11.5 11.1 11.5 11.5	TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT								2230	2300	0.50	10	DEV. SURVEY @1378m .75 degrees		
4	D.C.		37.48	m	DEPTH IN (m)	423.00	DRIS PAC	2	SX	DESILTER								2300	2400	1.00	2	DRILL 1378m to 1407m		
				m	DEPTH OUT (m)		LIGNITE	2	SX	CENTRIFUGE														
				m	TOTAL METER	984.00	GEL	10	SX	HOURS			0.00	0	0	0								
				m	TOTAL HOURS	46.25	CAUSTIC	1	SX	HOURS			8.00	1080	1065	1770								
65	DRILLPIPE STANDS	1234.81m			REASON		DEVIATION SURVEY			HOURS			8.00	1080	1065	1720								
	DRILLPIPE SINGLES				R.O.P.		DEPTH (m)	DEVIATION	DIRECTION	BOILER			Notes:											
	KELLY DOWN	11.42					21.00	1378.00	0.75	HRS. RUN														
	TOTAL	1407.51								PH														
	OF D.C.	16			DRAG dan	2000DAN				STACK deg														
	WT. OF STRING	38			TORQUE	0				MACP														
					FILL m	0.00				3175														
	DRILLERS SIGNATURE	MARTY WEBER								MAX HOOKLOAD														
										42														

Dave Bloof

DAY SHIFT

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP	
SURFACE LOCATION : 60:02:23.74 N 11		UNIQUE I.D. :	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	
BRIAN NEIGUM		BRIAN JONES	
SAFETY TOPIC		RUNNING SURVEYS	
LAST CASING TUBING OR LINER		O.D. mm MIN. I.D. kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)	
SHALE SHAKER(S)		RENTALS / SERVICES	
NO. 1 TYPE SWACO TYPE		Morn Day Eve	
CHANGE SCREENS			
TOP 110 TOP 210			
MIDDLE 0			
BOTTOM 110 BOTTOM 175			
DC. DP SIZE KG / M GRADE MIN. ID TOOL JT. O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.			
118 24.70 E CLAS 72 158 4.5 XH 165 ELCO HP 500 406			
8 118.10 E 60 158 4.5 E 16			
4 174.80 E 72 204 6.5/8 R 4			
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 TOTAL			
OPER. RIGUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CIRC. TRIPS RIG SERVICE REPAIR RIG CUT OFF DRUG. LINE DEV. SURVEY WIRELINE LOGS RUN CSG. & CEMENT WAIT ON CEMENT NIPPLE UP B.O.P. TEST B.O.P. DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING			
MORN 6.50 0.25 1.00 0.25		8.00	
DAY 7.25 0.25 0.50		8.00	
EVE 7.00 0.25 0.50		8.00	
TOTAL 20.75 0.75 2.00 0.25		24.00	
NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG TIME DETAIL			
BIT/ MILLS O.D. mm 0.25 m BIT NO. 1		WATER BASED x OIL BASED	
1 TORQUE SL 2.00 m		TIME 1000 1300 400	
1 D.C. 8.68 m		DENSITY 1010 1050 1060	
1 STAB 1.44 m		FUNNEL 30 33 35	
1 SHOCK SUB 2.13 m		W.L. cm/ FILCK 0.0 0.0 18.0	
11 D.C. 103.07 m		PH 7.5 9.0 10.5	
1 JAR 6.23 m		CALCIUM 1600.00 0.00 0.00	
4 D.C. 37.48 m		MUD MATERIALS USED	
Type PDC-HC-4		TYPE QTY UNITS	
SERIAL NO. DP0421		GEL 40 SX	
JETS (mm) 11.5 11.5 11.5 11.5		SODA ASH 8 SX	
DEPTH IN (m) 423.00			
DEPTH OUT (m)			
TOTAL METER 888.00			
TOTAL HOURS 39.25			
60 DRILLPIPE STANDS 1139.01m			
DRILLPIPE SINGLES			
KELLY DOWN 11.42 m			
TOTAL 1311.71 m			
WT. OF D.C. 16 1000 dan		DEV. SURVEY	
WT. OF STRING 38 1000 dan		DEPTH (m) DEVIATION DIRECTION	
DRILLERS SIGNATURE RICK KNUPP		2225.00 0.50	
		BOILER HRS. RUN PH STACK deg	
		8.00 10.5 220	
		MACP 3341	
		MAX HOOKLOAD 45	
		Notes:	
		Dave Blood	

MORNING SHIFT

LICENCE NO. : 1940	WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061
OPERATOR. : PARAMOUNT RESOURCES LTD.	CONTRACTOR : PRECISION DRILLING, div OF PLP
SURFACE LOCATION. : 60:02:23.74 N 11	UNIQUE I.D. :
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (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	<table border="1"> <tr> <th>Opr.</th> <th>R.M.</th> </tr> <tr><td>BN</td><td>BJ</td></tr> <tr><td>BN</td><td>BJ</td></tr> <tr><td>BN</td><td>BJ</td></tr> <tr><td>BN</td><td>BJ</td></tr> <tr><td>BN</td><td>BJ</td></tr> <tr><td>BN</td><td>BJ</td></tr> <tr><td>BN</td><td>BJ</td></tr> <tr><td>BN</td><td>BJ</td></tr> </table>	Opr.	R.M.	BN	BJ	BN	BJ	BN	BJ	BN	BJ	BN	BJ	BN	BJ	BN	BJ	BN	BJ			
Opr.	R.M.																					
BN	BJ																					
BN	BJ																					
BN	BJ																					
BN	BJ																					
BN	BJ																					
BN	BJ																					
BN	BJ																					
BN	BJ																					
(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	<table border="1"> <tr> <th>WEATHER</th> <th>RIG</th> <th>BOILER</th> </tr> <tr><td>BJ</td><td>2750</td><td>3000</td></tr> <tr><td>BJ</td><td></td><td></td></tr> <tr><td>BJ</td><td></td><td></td></tr> <tr><td>BJ</td><td></td><td></td></tr> <tr><td>BJ</td><td></td><td></td></tr> </table>	WEATHER	RIG	BOILER	BJ	2750	3000	BJ			BJ			BJ			BJ					
WEATHER	RIG	BOILER																				
BJ	2750	3000																				
BJ																						
BJ																						
BJ																						
BJ																						
	<table border="1"> <tr> <td>YEAR 2002</td> <td>MONTH 3</td> <td>DAY 1</td> </tr> <tr> <td colspan="3">RIG NO.: 117</td> </tr> <tr> <td colspan="3">FUEL @ 08:00 HRS.</td> </tr> <tr> <td>TEMPERATURE</td> <td colspan="2">-23</td> </tr> <tr> <td>CONDITIONS</td> <td colspan="2">CLEAR</td> </tr> <tr> <td>WIND DIRECTION</td> <td colspan="2">CALM</td> </tr> <tr> <td>ROAD CONDITION</td> <td colspan="2">ICE</td> </tr> </table>	YEAR 2002	MONTH 3	DAY 1	RIG NO.: 117			FUEL @ 08:00 HRS.			TEMPERATURE	-23		CONDITIONS	CLEAR		WIND DIRECTION	CALM		ROAD CONDITION	ICE	
YEAR 2002	MONTH 3	DAY 1																				
RIG NO.: 117																						
FUEL @ 08:00 HRS.																						
TEMPERATURE	-23																					
CONDITIONS	CLEAR																					
WIND DIRECTION	CALM																					
ROAD CONDITION	ICE																					

BRIAN NEIGUM	BRIAN JONES	SAFETY TOPIC	eye wear
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LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve		
																			NO. 1		TYPE SWACO		TYPE														
																			CHANGE SCREENS		YES		NO														
DC . DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP 210															
114		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406		MIDDLE		MIDDLE 0															
58		118.10		E		60		158		4.5 E.		16								BOTTOM		BOTTOM 175															
204		174.80		E		72		204		6 5/8 R		4																									
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	TOTAL									
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																
MORN		6.50					0.25			1.00					0.25												8.00										
DAY		7.25					0.25			0.50																	8.00										
EVE		7.00					0.25			0.50												0.25					8.00										
TOTAL		20.75					0.75			2.00					0.25							0.25					24.00										

DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL			
NO.	BIT/ MILLS	O.D. mm	0.25	m	BIT NO.	1	WATER BASED	X	OIL BASED	FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE											
1	TORQUE SU	2.00	m	SIZE (mm)	222.0		TIME	200	400	921.00	1101.00	D	80	8	0	30	0.50	2	DRILL 921m to 930m										
1	D.C.	8.68	m				DENSITY	1010	1010						30	45	0.25	15	TEST B.O.P. crew bop drill test air horn										
1	STAB	1.44	m	IADC	0		FUNNEL	30	30						45				test hydrill 65 sec to secure well										
11	D.C.	103.07	m	CODE			W.L. cm/ FILCK								45	100	0.25	7	RIG SERVICE test m/s/o test crown saver										
1	JAR	6.23	m	MFG.	HUGHS		PH	8.0	8.0	6500	152.0	65	0.0	0	100	130	0.50	2	DRILL 930m to 940m										
4	D.C.	37.48	m	Type	PDC-HC-4										130	200	0.50	10	CIRC And DEV. SURVEY .25 degrees										
			m	SERIAL NO.	DP0421		MUD MATERIALS USED				2300	@	35	@	200	630	4.50	2	DRILL 940m to 1082m										
			m	JETS (mm)	11.11.11.11.11.11		TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT					630	700	0.50	10	DEV. SURVEY										
			m	DEPTH IN (m)	423.00		SAWDUST	2	SX	DESILTER					700	800	1.00	2	DRILL 10812m to 1101m										
			m	DEPTH OUT (m)			CALCIUM NITRATE	7	SX	HOURS	INTAKE	OVERFLOW	UNDERFLOW						Visually Inspect flare and degasser lines Check Bop,s										
			m	TOTAL METER	678.00		alkaoam 1103	3	SX	0.00	0	0	0						Check bowl ,bowl valves \$& handles,spools kill line valves										
			m	TOTAL HOURS	32.00					8.00	1010	1000	1610						H.C.R., back up HCR sweep line and manifold valves ,SIDPP gaugae										
49	DRILLPIPE STANDS	929.23	m				CENTRIFUGE												Check Accumulator pressures and lines 21000 kPa ACC .PRES										
	DRILLPIPE SINGLES		m				CENT 2												INSPECT RIG BRAKES AND LINKAGE Inspect rig tongs ,& slips										
	KELLY DOWN	11.42	m				DEVIATION SURVEY				8.00	1010	1000	1640															
	TOTAL	1101.93	m				DEPTH (m)	DEVIATION	DIRECTION										Notes:										
	WT. OF D.C.	16	1000 dan	DRAG dan	1000dan					HRS. RUN	PH	STACK deg																	
	WT. OF STRING	29	1000 dan	TORQUE	0					8.00	11.0	240																	
			1000 dan	FILL m	0.00					MACP																			
										MAX HOOKLOAD				3507															
										42																			

Dave B. Good

YEAR 2002	MONTH 3	DAY 1
	RIG SAFETY DAYS: 2	CAMP : YES ☒ NO ☐

Dave Blood

EVENING SHIFT

LICENCE NO. : 1940	WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (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	Op. BN R.M. BJ BN BJ BN BJ BN BJ BN BJ BN BJ BN BJ	YEAR 2002 MONTH 2 DAY 28 RIG NO.: 117 FUEL @ 08:00 HRS. RIG 5000 BOILER 4600 WEATHER TEMPERATURE -25 CONDITIONS CLEAR WIND DIRECTION CALM ROAD CONDITION ICE
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : PRECISION DRILLING, div OF PLP			
SURFACE LOCATION : 60:02:23.74 N 11	UNIQUE I.D. :			
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		

BRIAN NEIGUM	BRIAN JONES	SAFETY TOPIC	TUBULARS
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LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve																
																			NO. 1		TYPE SWACO		TYPE																												
																			CHANGE SCREENS		X		Y		Z																										
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP 210																													
114		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406		MIDDLE		MIDDLE 0																													
		118.10		E		60		158		4.5 E.		16								BOTTOM		BOTTOM 0																													
114		174.80		E		72		204		6 5/8 R		4								110		175																													
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	TOTAL																							
OPER.		RIGUP & TEARDOWN		DRILL ACTUAL		REAMING		CORING		COND. MUD & CIRC.		TRIPS		RIG SERVICE		REPAIR RIG		CUT OFF DRUG. LINE		DEV. SURVEY		WIRELINE LOGS		RUN CSG. & CEMENT		WAIT ON CEMENT		NIPPLE UP B.O.P		TEST B.O.P.		DRILL STEM		PLUG BACK		SQUEEZE CEMENT		FISHING		DIRECTIONAL WORK		SAFETY MEETING		B.H.A		DRILL OUT					
MORN												4.75		0.25														0.50																2.00		0.50				8.00	
DAY				3.75										0.25						0.50																								3.50						8.00	
EVE				7.50																0.50																												8.00			
TOTAL				11.25								4.75		0.50						1.00						0.50																		5.50		0.50				24.00	

NO. DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL			
BIT/ MILLS	O.D. mm	BIT NO.	1	WATER BASED	X	OIL BASED	FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE								
1 TORQUE SU	2.00 m	SIZE (mm)	222.0	TIME	1700	2000	751.24	921.00	D	80	8	1600	1800	2.00	2	DRILL 751 to 789							
1 D.C.	8.68 m	IADC CODE	0	DENSITY kg/m3	1010	1010						1800	1830	0.50	10	DEV. SURVEY 779 M .25 DEGREE							
1 STAB	1.44 m	MFG.	HUGHS	FUNNEL VIS s/l	30	30						1830	2400	5.50	2	DRILL 789 TO 921m							
11 SHOCK SUE	2.13 m	Type	PDC-HC-4	W.L. cm/ FILCK																			
11 D.C.	103.07 m	SERIAL NO.	DP0421	PH	8.0	8.0																	
1 JAR	6.23 m	JETS (mm)	11.5 11.5 11.5 11.5	MUD MATERIALS USED																			
4 D.C.	37.48 m	DEPTHIN (m)	423.00	TYPE	SAWDUST	QTY	2	UNITS	SX														
		DEPTH OUT (m)		SOLIDS CONTROL EQUIPMENT																			
		TOTAL METER	498.00	DESILTER				HOURS	INTAKE	OVERFLOW	UNDERFLOW												
		TOTAL HOURS	25.50	CENTRIFUGE				HOURS	INTAKE	OVERFLOW	UNDERFLOW												
39 DRILLPIPE STANDS	739.60 m			REDUCED PUMP SPEED				8.00	1010	1000	1560												
DRILLPIPE SINGLES	9.30 m			DEVIATION SURVEY																			
KELLY DOWN	11.42 m			DEPTH (m)	779.00	DEVIATION	0.25	DIRECTION															
TOTAL	921.60 m			BOILER				HOURS	INTAKE	OVERFLOW	UNDERFLOW												
WT. OF D.C.	16 1000 dan	DRAG dan	1000dan	HRS. RUN	8.00	PH	11.0	STACK deg	240														
WT. OF STRING	29 1000 dan	TORQUE	0	MACP	3507																		
		FILL m	0.00	MAX HOOKLOAD	36																		
DRILLERS SIGNATURE MARTY WEBER																Notes:							

Dave Bled

LICENCE NO. : **1940**

Para et al Cameron H-03 AFE#01N210061

OPERATOR. : **PARAMOUNT RESOURCES LTD.**

CONTRACTOR: **PRECISION DRILLING, div OF PLP**

SURFACE LOCATION.: 60:02:23.74 N 11

UNIQUE I.D. :

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

**E CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE
& CORRECT TO THE BEST OF MY ABILITY)**

BRIAN NEIGUM

BRIAN JONES

SAFETY TOPIC

HANDLING TUBULARS

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve				
																			NO. 1		TYPE SWACO		TYPE																
																			CHANGE SCREENS		x		YES		NO														
																			TOP		110		TOP		210														
																			MIDDLE				MIDDLE		0														
																			BOTTOM		110		BOTTOM		175														
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																					
14		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406																					
3		118.10		E		60		158		4.5 E.		16																											
204		174.80		E		72		204		6 5/8 R		4																											
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	TOTAL											
OPER.		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND.MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	B.H.A	DRILL OUT															
MORN							4.75	0.25						0.50										2.00	0.50						8.00								
DAY			3.75					0.25			0.50													3.50							8.00								
EVE			7.50								0.50																			8.00									
TOTAL			11.25				4.75	0.50			1.00			0.50										5.50	0.50						24.00								

NO.				DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG															
BIT/ MILLS		O.D.mm		BIT NO.		1		WATER BASED		X		OIL BASED		FROM		TO		DRILL/ REAM/CR.		ROTARY R.P.M.		WT. ON BIT		FROM		TO		ELAPSED TIME		CODE		TIME DETAIL			
1	TORQUE SU		0.25	m										685.00	751.24	D	75					6		800	1130	3.50	23	DRILL OUT CEMENT							
1	D.C.		8.68	m	SIZE (mm)	222.0																		1130	1200	0.50	10	DEV. SURVEY 675M .25 DEGREE							
1	STAB		1.44	m	IADC CODE	0																		1200	1215	0.25	7	RIG SERVICE CHECK HYDRIL							
1	SHOCK SUB		2.13	m	MFG.	HUGHS																		1215	1600	3.75	2	DRILL 685 TO 751							
11	D.C.		103.07	m	Type	PDC-HC-4								Circ. Press (kPa)	PUMP NO. 1 LINER(mm)	SPM	PUMP NO. 2 LINER(mm)	SPM					1600												
1	JAR		6.23	m	SERIAL NO.	DP0421								6300	152.0	65	0.0																		
4	D.C.		37.48	m	JETS (mm)	11.1, 11.1, 11.1, 11.1								REDUCED PUMP SPEED																					
				m	DEPTH IN (m)	423.00								2300	@	35	@	725	SOLIDS CONTROL EQUIPMENT																
				m	DEPTH OUT (m)									DESILTER																				CHECK CROWN SAVER AND BRAKE LINKAGE	
				m	TOTAL METER	316.54								CENTRIFUGE																					
				m	TOTAL HOURS	18.00								HOURS INTAKE OVERFLOW UNDERFLOW																					
30	DRILLPIPE STANDS	569.11	m	INNER										HOURS INTAKE OVERFLOW UNDERFLOW																					
1	DRILLPIPE SINGLES	9.43	m	OUTER										HOURS INTAKE OVERFLOW UNDERFLOW																					
	KELLY DOWN	11.42	m	DULL LOCATION										HOURS INTAKE OVERFLOW UNDERFLOW																					
	TOTAL	751.24	m	BEARINGS										HOURS INTAKE OVERFLOW UNDERFLOW																					
	WT. OF D.C.	16	1000 dan	DRAG dan										BOILER PH STACK deg																					
	WT. OF STRING	29	1000 dan	TORQUE										MACP 3507																					
	DRILLERS SIGNATURE	RICK KNUPP		FILL m										MAX HOOKLOAD 33																					

Notes: CHECK ALL FIRE EXTIGUSERS O.K. 2002-02-28

Dave Bloch

LICENCE NO. : 1940	WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	(2) Detailed Inspection-Weekly (Using Check List) (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	BN BJ BN BJ BN BJ BN BJ BN BJ	RIG NO.: 117 FUEL @ 08:00 HRS. RIG 5000 BOILER 4600
OPERATOR. : PARAMOUNT RESOURCES LTD.	CONTRACTOR: PRECISION DRILLING, div OF PLP	(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	BJ BJ BJ BJ BJ	WEATHER TEMPERATURE -25 CONDITIONS CLEAR WIND DIRECTION CALM ROAD CONDITION ICE
SURFACE LOCATION. : 60:02:23.74 N 11	UNIQUE I.D. :			
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		

BRIAN NEIGUM										BRIAN JONES										SAFETY TOPIC					FROST BIT										
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES								Morn	Day	Eve		
																			NO. 1		TYPE SWACO		TYPE												
																			CHANGE SCREENS		X	YES		NO											
																			TOP 110		TOP 210														
																					MIDDLE		MIDDLE 0												
																				BOTTOM 110		BOTTOM 175													
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																	
114		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406																	
58		118.10		E		60		158		4.5 E.		16																							
204		174.80		E		72		204		6 5/8 R		4																							
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	TOTAL								
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRKS	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	B.H.A	DRILL OUT												
MORN						4.75	0.25						0.50										2.00	0.50			8.00								
DAY		3.75					0.25			0.50													3.50				8.00								
EVE		7.50								0.50																	8.00								
TOTAL		11.25				4.75	0.50			1.00			0.50										5.50	0.50			24.00								

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL			
NO.	BIT/MILLS	O.D.mm		BIT NO.	1			WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE			
1	TORQUE SU	0.25	m	SIZE(mm)	222.0			TIME	200	400	600	541.00	600.00		60	2	0	15	0.25	7	RIG SERVICE TEST PIPE RAMS C/O 3/3 SEC		
1	D.C.	8.68	m	ADC CODE	0			DENSITY kg/m3	1010	1010							15	45	0.50	13	WAIT ON CEMENT		
1	STAB	1.44	m	MFG.	HUGHS			FUNNEL VIS s/l	28	28							45	115	0.50	6	FEEL PLUG #3 AT 541.21		
1	SHOCK SUE	2.13	m	Type	PDC-HC-4			W.L cm/ FILCK	0.0	0.0							115	145	0.50	24	FILL HOLE WITH WATER AND MONITOR		
11	D.C.	103.07	m	SERIAL NO.	DP0421			PH	8.0	8.0							145	300	1.25	6	LAY DOWN 19 SINGELS		
1	JAR	6.23	m	JETS (mm)	11.5, 11.5, 11.5			CAL									300	600	3.00	6	MAKE UP B.H.A. AND RUN IN		
4	D.C.	37.48	m	DEPTH IN (m)	423.00			MUD MATERIALS USED									600	800	2.00	23	DRILL OUT CEMENT 541M TO 600M		
			m	DEPTH OUT (m)				TYPE	QTY	UNITS		SOLIDS CONTROL EQUIPMENT								Inspect rig tongs slips and elevators			
			m	TOTAL METER	262.00			alkapam 1103	1	SX		DESILTER								INSPECT RIG BRAKES AND LINKAGE TEST CROWN SAVER			
			m	TOTAL HOURS	14.25			CALCIUM NITRATE	10	SX		HOURS	INTAKE	OVERFLOW	UNDERFLOW					VISSUALY Inspect flare and degasser lines,			
			m					SAWDUST	2	SX		CENTRIFUGE								CHECK BOP,S , check bowl ,bowl valves & handles, spools			
19	DRILLPIPE STANDS	360.28	m	INNER								HOURS	INTAKE	OVERFLOW	UNDERFLOW					inside & out side kill line valves HCR valve back up HCR valve			
	DRILLPIPE SINGLES		m	OUTER																sweep line manifold valves and direction of flow through			
	KELLY DOWN	11.42	m	LOCATION				DEVIATION SURVEY				HOURS	INTAKE	OVERFLOW	UNDERFLOW					bottom choke check S.I.D.P.P. gauge Check accumulator			
	TOTAL	532.98	m	BEARINGS				DEPTH (m)	DEVIATION	DIRECTION		BOILER PH STACK deg								lines & pressures test air horn test m/s/offes			
	WT. OF D.C.	16	1000 dan	FILL m								HRS. RUN								Notes:			
	WT. OF STRING	29	1000 dan	TORQUE								MACP	3507										
	DRILLERS SIGNATURE MARTY WEBER											MAX HOOKLOAD	30										

YEAR 2002	MONTH 2	DAY 28
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Dave Blood

EVENING SHIFT

LICENCE NO. : 1940	WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (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	OPR. BN BJ R.M. BN BJ YEAR 2002 MONTH 2 DAY 27 RIG NO.: 117 FUEL @ 08:00 HRS. RIG 6200 BOILER 6400 TEMPERATURE -27 CONDITIONS CLEAR WIND DIRECTION NORTH ROAD CONDITION SLIPPERY
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : PRECISION DRILLING, div OF PLP		
SURFACE LOCATION : 60:02:23.74 N 11	UNIQUE I.D. :		
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	

BRIAN NEIGUM	BRIAN JONES	SAFETY TOPIC	BOP DRILL
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LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)	RENTALS / SERVICES	Morn	Day	Eve
										NO. 1 TYPE SWACO TYPE				
										CHANGE SCREENS YES NO				
										TOP 110 TOP				
										MIDDLE MIDDLE				
										BOTTOM 110 BOTTOM				

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	TOTAL
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING						
MORN		2.50				3.25																2.25					8.00
DAY						4.50							1.75				1.25				0.25						7.75
EVE						1.25							6.00				0.50				0.25						8.00
TOTAL		2.50				9.00							7.75				1.75				0.50	2.25					23.75

DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD										MUD RECORD										METERS DRILLED										TIME LOG										TIME DETAIL									
NO.	BIT/ MILLS	O.D. mm	0.25	m	BIT NO.	1				WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																																					
1	TORQUE SU		2.00	m	SIZE (mm)	222.0				TIME				685.00					1600	1630	0.50	6	TAG PLUG #2 AT 575.20																																				
1	D.C.		8.68	m						DENSITY kg/m3									1630	2200	5.50	13	WAIT ON CEMENT																																				
1	STAB		1.44	m	IADC CODE	0				FUNNEL VIS s/l									2200	2215	0.25	21	SAFETY MEETING																																				
1	SHOCK SUB		2.13	m						W.L. cm/ FILCK									2215	2245	0.50	17	PUMP PLUG #3 AT 571-504																																				
11	D.C.		103.07	m	MFG.	HUGHES				PH				Circ. Press (kPa)		PUMP NO. 1 LINER(mm) SPM	PUMP NO. 2 LINER(mm) SPM		2245	2330	0.75	6	PULL OUT OF PLUG #3																																				
1	JAR		6.23	m	Type	PDC-HC-4								152.0		0.0			2330	2400	0.50	13	WAIT ON CEMENT																																				
4	D.C.		37.48	m	SERIAL NO.	DP0421													2400																																								
				m	JETS (mm)	11.111.111.111																																																					
				m	DEPTH IN (m)	423.00				MUD MATERIALS USED																																																	
				m	DEPTH OUT (m)					TYPE	QTY	UNITS																																															
				m	TOTAL METER	262.00				SAWDUST	3	SX																																															
				m	TOTAL HOURS	14.25																																																					
27	DRILLPIPE	STANDS	512.71	m																																																							
1	DRILLPIPE	SINGLES		m	INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE/mm	OTHER	REASON	R.O.P.																																														
	KELLY DOWN	11.42		m																																																							
	TOTAL	685.41		m																																																							
	WT. OF D.C.	16		1000 dan	DRAG dan																																																						
	WT. OF STRING	29		1000 dan	TORQUE																																																						
					FILL m																																																						
DRILLERS SIGNATURE RICK KNUPP																				HRS. RUN PH STACK deg										Notes: HELD BOP DRILL WITH CREW																													
																				MACP 3507																																							
																				MAX HOOKLOAD 12																																							

Dave Bloch

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061		(2) Detailed Inspection-Weekly (Using Check List) (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		BN BJ BN BJ BN BJ BN BJ BN BJ BN BJ		117 FUEL @ 08:00 HRS. RIG 6200 BOILER 6400	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP							
SURFACE LOCATION : 60:02:23.74 N 11		UNIQUE I.D. :						BJ BJ BJ BJ BJ	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		(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		WEATHER TEMPERATURE -27 CONDITIONS CLEAR WIND DIRECTION NORTH ROAD CONDITION SLIPPERY			

BRIAN NEIGUM										BRIAN JONES										SAFETY TOPIC										cement jobs									
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve				
																			NO. 1		TYPE SWACO		TYPE																
																			CHANGE SCREENS		YES		NO																
DC . DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP																	
14		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406		MIDDLE		MIDDLE																	
8		118.10		E		60		158		4.5 E.		16								BOTTOM		BOTTOM																	
204		174.80		E		72		204		6 5/8 R		4								110		110																	
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	TOTAL												
OPER.	RGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																		
MORN		2.50				3.25																2.25				8.00													
DAY						4.50							1.75				1.25				0.25					7.75													
EVE						1.25							6.00				0.50				0.25					8.00													
TOTAL		2.50				9.00							7.75				1.75				0.50	2.25				23.75													
DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD					MUD RECORD					METERS DRILLED					TIME LOG					TIME DETAIL									
NO.	BIT/ MILLS	O.D.mm	0.25	m	BIT NO.	1				WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																	
1	TORQUE SU		2.00	m	SIZE (mm)	222.0				TIME				685.00						800	1015	2.25	6	RUN IN OPEN END															
1	D.C.		8.68	m						DENSITY kg/m3										1015	1030	0.25	21	SAFETY MTG.															
1	STAB		1.44	m	IADC CODE	0				FUNNEL VIS s/l										1030	1100	0.50	17	RUN PLUG #1 685-520 M.K.B.															
1	SHOCK SUB		2.13	m	MFG.	HUGHS				W.L. cm/ FILCK										1100	1200	1.00	6	PULL OUT OF PLUG															
1	JAR		6.23	m	Type	PDC-HC-4				PH										1200	1300	1.00	13	WAIT ON CEMENT															
4	D.C.		37.48	m	SERIAL NO.	DP0421														1300	1330	0.50	6	RUN IN AND TAG PLUG AT 612.88 METERS															
				m	JETS (mm)	11,111,11,11,11				MUD MATERIALS USED										1330	1415	0.75	17	RUN PLUG #2 608-442 M.K.B.															
				m	DEPTH IN (m)	423.00				TYPE		QTY	UNITS							1415	1500	0.75	6	PULL OUT OF PLUG #2															
				m	DEPTH OUT (m)															1500	1545	0.75	13	WAIT ON CEMENT															
				m	TOTAL METER	262.00														1545	1600	0.25		RUN IN FEEL PLUG #2															
				m	TOTAL HOURS	14.25														1600																			
27	DRILLPIPE	STANDS	512.71	m																				Visually inspect flare and degasserlines Check bops and															
1	DRILLPIPE	SINGLES		m	INNER	OUTER	DULL	BEARINGS	GAGE(mm)	OTHER	REASON	R.O.P.												bops and assoicated equipment test air horn & m/s/o,s															
KELLY DOWN		11.42		m																																			
TOTAL		685.41		m	DRAG dan																																		
Wt. OF D.C.		16		1000 dan	TORQUE																																		
WT. OF STRING		29		1000 dan	FILL m																																		
DRILLERS SIGNATURE										MARTY WEBER										HRS. RUN					BOILER PH					STACK deg					Notes:				
																				8.00					11.0					230									
																				MACP					3507														
																				MAX HOOKLOAD					18														

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061		(2) Detailed Inspection-Weekly (Using Check List) (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		BN BJ BN BJ BN BJ BN BJ BN BJ BN BJ		RIG NO. : 117	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP						FUEL @ 08:00 HRS.	
SURFACE LOCATION : 60:02:23.74 N 11		UNIQUE I.D. :						RIG 6200 BOILER 6400	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		(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		BJ BJ BJ BJ BJ		WEATHER TEMPERATURE -27 CONDITIONS CLEAR WIND DIRECTION NORTH ROAD CONDITION SLIPPERY	

[illegible]

DRILLING CREW PAYROLL DATA

YEAR 2002 MONTH 2 DAY 27

WELL NAME & NO. : Para et al Cameron H-03 AFE#01			OPERATOR : PARAMOUNT RESOURCES L			CONTRACTOR : PRECISION DRILLING, div OF			RIG NO. : 117			RIG MANAGER : BRIAN JONES			PROVINCE : N.W.T.			RIG SAFETY DAYS: YES ☐ NO ☐		CAMP : YES ☒ NO ☐	
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MORNING SHIFT	SOCIAL INSURANCE NUMBER	NAME	HRS.	EXTRA HRS	INJURIES YES NO	DAY SHIFT	SOCIAL INSURANCE NUMBER	NAME	HRS.	EXTRA HRS	INJURIES YES NO	EVENING SHIFT	SOCIAL INSURANCE NUMBER	NAME	HRS.	EXTRA HRS	INJURIES YES NO
DRILLER		JIM CARR	8.00		JC	DRILLER		MARTY WEBER	8.00		MW	DRILLER		RICK KNUPP	8.00		RK
DERRICK HAND		MIKE THOMSON	8.00		KT	DERRICK HAND		JAY PALM	8.00		JP	DERRICK HAND		PAUL BERRY	8.00		PB
MOTOR HAND		RICK SIEMENS	8.00		RS	MOTOR HAND		DARCY FOWLER	8.00		DF	MOTOR HAND		CLINT PUSHKA	8.00		CP
DOOR HAND		DAN DAY	8.00		DD	FLOOR HAND		T.R. JOHNSTON	8.00	DD	TJ	FLOOR HAND		LOREN BRODIE	8.00		LB
LEASE HAND		SHAMUS ROMERIL	8.00		SR	FLOOR HAND		STEFAN DAY-WIGGINS	8.00		SDW	LEASE HAND		DEREK MATCHATIS	8.00		DM
												LEASE HAND		CLIFFORD BONNETRO	8.00		CB
RIG MANAGER		COREY RAWLAKE			CR												
RIG MANAGER		BRIAN JONES			BJ												

RATE SCHEDULE	REGULAR	x	REPAIR		INVERT		RATE SCHEDULE	REGULAR	x	REPAIR		INVERT		RATE SCHEDULE	REGULAR	x	REPAIR		INVERT	
Crew Safety Days						Crew Safety Days						Crew Safety Days								
6						7						22								

Dave Bloch

[illegible]

LICENCE NO. : 1940	WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	(2) Detailed Inspection-Weekly (Using Check List) (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	BN CR BN CR BN CR BN CR BN CR BN CR	117 FUEL @ 08:00 HRS. RIG 7500 BOILER 7700
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : PRECISION DRILLING, div OF PLP			
SURFACE LOCATION : 60:02:23.74 N 11	UNIQUE I.D. :			(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
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CR CR	WEATHER TEMPERATURE -13 CONDITIONS CLOUDY WIND DIRECTION NORTH ROAD CONDITION SLIPPERY

BRIAN NEIGUM										COREY RAWLAKE										SAFETY TOPIC					BOP DRILL																								
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve														
																			NO. 1		TYPE		TYPE																										
																			CHANGE SCREENS		X		YES		NO																								
																					TOP		TOP																										
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE		MIDDLE																											
14		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406																															
8		118.10		E		60		158		4.5 E		16																																					
204		174.80		E		72		204		6 5/8 R		4								BOTTOM		BOTTOM																											
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	TOTAL																						
OPER.	RGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	flow nipple	leak off	drillout	loss circ																								
MORN		3.75					0.25															1.00	1.50	1.50			8.00																						
DAY		4.75								0.25											0.25				2.75		8.00																						
EVE		3.25			3.75		0.25															0.75					8.00																						
TOTAL		11.75			3.75		0.50			0.25											0.25	1.75	1.50	1.50	2.75		24.00																						
NO. DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD					MUD RECORD					METERS DRILLED					TIME LOG										TIME DETAIL														
BIT/ MILLS		O.D.mm		0.25		m		BIT NO.		1				WATER BASED		X		OIL BASED				FROM		TO		DRILL/ REAM/CR.		ROTARY R.P.M.		WT. ON BIT		FROM		TO		ELAPSED TIME		CODE											
1 TORQUE SU				2.00		m		SIZE (mm)		222.0				TIME		1000		1200		1400		514.00		609.00		D		80		10		800		845		0.75		2		DRILL514M 532M									
1 D.C.				8.68		m		IADC CODE		0				DENSITY kg/m3		1010		1010		1010												845		900		0.25		21		SAFETY MTG. CREW BOP DRILL									
1 STAB				1.44		m		MFG.		HUGHS				FUNNEL VIS s/l		29		29		29												900		915		0.25		10		DEV. SURVEY .25 DEGREES									
1 SHOCK SUB				2.13		m		Type		PDC-HC-4				W.L cm/ FILCK		0.0		0.0		0.0		Circ. Press (kPa)		PUMP NO. 1		PUMP NO. 2						915		1200		2.75		2		DRILL 532M TO587m									
11 D.C.				103.07		m		SERIAL NO.		DP0421				PH		8.5		8.5		8.5		5600		152.0		65		0.0		0		1200		1445		2.75		25		LOSS CIRC HOIST 3 STDS PUMP 20M3 RUN IN HOLE TO									
1 JAR				6.23		m		JETS (mm)		11,111,11,111,1												REDUCED PUMP SPEED																		BOTTOM pump ioms parcel circ									
4 D.C.				37.48		m		MUD MATERIALS USED														1500		@		35		@		609		1445		1600		1.25		2		DRILL 587 to 609m									
								TYPE		QTY		UNITS												SOLIDS CONTROL EQUIPMENT																Check rig brake linkage Inspect rig tongs ,slips , elevators									
								SAWDUST		2		SX												DESILTER																test crown saver test air horn test engine kills									
																						HOURS		INTAKE		OVERFLOW		UNDERFLOW												Check accumulator lines and pressure 21000kPa									
																								CENTRIFUGE																Vissually Inspect Flare line & degassert line and flare tank									
																						HOURS		INTAKE		OVERFLOW		UNDERFLOW												Check bop,s ,bowl, bowl valves and handles check spools									
																																								check Bop, bolts ,check kill line & inside & outside kill valves									
																						HOURS		INTAKE		OVERFLOW		UNDERFLOW												Check HCR & back up hcr valve ,sweep line , manifold valv3eas and									
																																								direction of flow through bottom choke ,che3ck S.I.D.P.P. gaugae									
23 DRILLPIPE STANDS		436.71		m				TOTAL HOURS		8.50																																Notes:							
DRILLPIPE SINGLES				m				INNER		OUTER		DULL		LOCATION		BEARINGS		GAGE(mm)		OTHER		REASON		R.O.P.																									
KELLY DOWN		11.42		m																																													
TOTAL		609.41		m																																													
WT. OF D.C.		16		1000 dan				DRAG dan		1000dan																																							
WT. OF STRING		28		1000 dan				TORQUE		0																																							
								FILL m		0.00																																							
DRILLERS SIGNATURE										MARTY WEBER										MACP										3424																			
																				MAX HOOKLOAD										32																			

EVENING SHIFT

LICENCE NO. : 1940	WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (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	OPR. BN CR R.M. BN CR YEAR 2002 MONTH 2 DAY 26 RIG NO.: 117 FUEL @ 08:00 HRS. RIG 7500 BOILER 7700 TEMPERATURE -13 CONDITIONS CLOUDY WIND DIRECTION NORTH ROAD CONDITION SLIPPERY
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : PRECISION DRILLING, div OF PLP		
SURFACE LOCATION : 60:02:23.74 N 11	UNIQUE I.D. :		
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	

BRIAN NEIGUM	COREY RAWLAKE	SAFETY TOPIC
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LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)	RENTALS / SERVICES	Morn	Day	Eve
										NO. 1 TYPE SWACO TYPE				
										CHANGE SCREENS X YES NO				
										TOP 110 TOP				
										MIDDLE MIDDLE				
										BOTTOM 110 BOTTOM				
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.					
14	24.70	E CLAS	72	158	4.5 XH	165	ELCO	HP 500	406					
3	118.10	E	60	158	4.5 E.	16								
04	174.80	E	72	204	6.5/8 R	4								

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	TOTAL	
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	flow nipple	leak off	drillout	loss circ			
MORN		3.75					0.25															1.00	1.50	1.50				8.00
DAY		4.75								0.25											0.25					2.75		8.00
EVE		3.25			3.75		0.25															0.75						8.00
TOTAL		11.75			3.75		0.50			0.25											0.25	1.75	1.50	1.50	2.75			24.00

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL			
NO.	BIT/ MILLS	O.D. mm		BIT NO.		WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE					
1	TORQUE SU	2.00	m	SIZE (mm)	222.0	TIME	1800			609.00	655.00	D	70	10	1600	1730	1.50	2	DRILL 609m to636m				
1	D.C.	8.68	m	IADC CODE	0	DENSITY kg/m3	1020								1730	1745	0.25	7	RIG SERVICE				
1	STAB	1.44	m	MFG.	HUGHES	FUNNEL VIS s/l	30								1745	2130	3.75	5	COND MUD & CIRC mix lcm				
11	D.C.	103.07	m	Type	PDC-HC-4	W.L cm/ FILCK	0.0								2130	2315	1.75	2	DRILL BLIND FR 637 TO 655 WAIT ON WATER				
1	JAR	6.23	m	SERIAL NO.	DP0421	PH				2500	152.0	42	0.0		2315	2400	0.75	22	WAIT ON WATER				
4	D.C.	37.48	m	JETS (mm)	11.5 11.5 11.5 11.5	MUD MATERIALS USED				1800	@	35	@		2400								
			m	DEPTH IN (m)	423.00	TYPE QTY UNITS				SOLIDS CONTROL EQUIPMENT													
			m	DEPTH OUT (m)		ENVIROFLOC 17 SX				DESILTER													
			m	TOTAL METER	232.00					CENTRIFUGE													
			m	TOTAL HOURS	11.75					HOURS INTAKE OVERFLOW UNDERFLOW													
23	DRILLPIPE STANDS	474.74	m									HOURS INTAKE OVERFLOW UNDERFLOW											
1	DRILLPIPE SINGLES	9.34	m																				
KELLY DOWN 10.24																							
TOTAL 655.60																							
Wt. OF D.C. 16				DRAG dan								HRS. RUN				BOILER PH				STACK deg			
WT. OF STRING 29				TORQUE								8.00				10.0				240			
				FILL m																			
DRILLERS SIGNATURE JIM CARR												MACP 0											
												MAX HOOKLOAD											

Dave B. Bost

YEAR 2002	MONTH 2	DAY 26
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Dave Bloor

LICENCE NO. : 1940	WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	(2) Detailed Inspection-Weekly (Using Check List) (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	BN CB BN CB BN CB BN CB BN CB BN CB	RIG NO.: 117 FUEL @ 08:00 HRS. RIG 1700 BOILER 1600
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : PRECISION DRILLING, div OF PLP	(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	BN CB BN CB BN CB BN CB BN CB BN CB	WEATHER TEMPERATURE -24 CONDITIONS CLOUDY WIND DIRECTION S.W. ROAD CONDITION SLIPPERY
SURFACE LOCATION. : 60:02:23.74 N 11	UNIQUE I.D. :			
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		

BRIAN NEIGUM										COREY RAWLAKE										SAFETY TOPIC																
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)			RENTALS / SERVICES										Morn	Day	Eve		
	244.5		222.6		53.57		ipsco		j-55		32		424.03		1.07		422.96		NO. 1	TYPE SWACO	TYPE															
																			CHANGE SCREENS		YES	X	NO													
	TOP		110		TOP																															
	MIDDLE				MIDDLE																															
BOTTOM		110		BOTTOM																																
DC . DP SIZE	KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.																			
114	24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406																			
	118.10		E		60		158		4.5 E.		16																									
	174.80		E		72		204		6 5/8 R		4																									
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	TOTAL									
OPER.	RISUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RK SERVICE	REPAIRRK	CUT OFF DRLLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	WELD BOW														
MORN												0.75	4.00									3.25				8.00										
DAY														2.50	4.50							1.00				8.00										
EVE					0.25	3.00			1.00						3.50						0.25					8.00										
TOTAL					0.25	3.00			1.00			0.75	4.00	2.50	8.00						0.25	4.25				24.00										
NO.	DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL															
	BIT/ MILLS	O.D.mm		m	BIT NO.	1			WATER BASED	X	OIL BASED			FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE														
				m	SIZE (mm)	222.0			TIME	100										1600	1800	2.00	15	TEST B.O.P.												
				m	IADC CODE	0			DENSITY kg/m3	1000										1800	1900	1.00	9	CUT OFF DRLL LINE 22m												
				m	FUNNEL VIS s/I	30			W.L cm/ FILCK	0.0										1900	2200	3.00	6	TRIPS make up bha rih												
				m	MFG.	HUGHES			PH	8.0										2200	2215	0.25	5	COND MUD & CIRC												
				m	Type	PDC-HC-4			CALCIUM	1400.00										2215	2230	0.25	21	SAFETY MTG. BOP DRILL WITH CREW												
				m	SERIAL NO.	DP0421														2230	2400	1.50	15	TEST B.O.P. PT HYDRIL PIPE STAB INSDE BOP 1400 7000												
				m	JETS (mm)	11.5 11.5 11.5 11.5			MUD MATERIALS USED				REDUCED PUMP SPEED																							
				m	DEPTH IN (m)	423.00			TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT																								
				m	DEPTH OUT (m)								DESILTER																							
				m	TOTAL METER	0.00							CENTRIFUGE																							
				m	TOTAL HOURS	0.00																														
	DRILLPIPE STANDS			m	INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE(mm)	OTHER	REASON	R.O.P.	DEVIATION SURVEY																						
	DRILLPIPE SINGLES			m					DEPTH (m)	DEVIATION	DIRECTION																									
	KELLY DOWN			m																																
	TOTAL			m																																
	WT. OF D.C.			m	1000 dan	DRAG dan							HRS. RUN				BOILER PH				STACK deg															
	WT. OF STRING			m	1000 dan	TORQUE							8.00				10.0				240															
				m	1000 dan	FILL m							MACP																							
				m									MAX HOOKLOAD																							
DRILLERS SIGNATURE JIM CARR																																				

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061		(2) Detailed Inspection-Weekly (Using Check List) (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		BN CR BN CR BN CR BN CR BN CR BN CR		RIG NO. : 117	
OPERATOR. : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP						FUEL @ 08:00 HRS.	
SURFACE LOCATION. : 60:02:23.74 N 11		UNIQUE I.D. :						RIG 1700 BOILER 1600	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		(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		CR CR CR CR CR		WEATHER TEMPERATURE -24 CONDITIONS CLOUDY WIND DIRECTION S.W. ROAD CONDITION SLIPPERY	

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES				Morn	Day	Eve	
	244.5		222.6		53.57		ipsco		j-55		32		424.03		1.07		422.96		NO. 1	TYPE SWACO		TYPE								
																			CHANGE SCREENS		YES	X	NO							
	DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP							
114		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406		MIDDLE		MIDDLE								
		118.10		E		60		158		4.5 E		16								BOTTOM 110		BOTTOM								
		174.80		E		72		204		6 5/8 R		4																		

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	TOTAL	
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR/RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING	WELD BOW						
MORN												0.75	4.00									3.25						8.00
DAY														2.50	4.50							1.00						8.00
EVE					0.25	3.00			1.00						3.50						0.25							8.00
TOTAL					0.25	3.00			1.00			0.75	4.00	2.50	8.00						0.25	4.25						24.00

NO. DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL													
BIT/ MILLS		O.D.mm		BIT NO.		1		WATER BASED		X		OIL BASED		FROM		TO		DRILL/ REAM/CR.		ROTARY R.P.M.		WT. ON BIT		FROM		TO		ELAPSED TIME		CODE			

LICENSE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP	
SURFACE LOCATION : 60:02:23.74 N 11		UNIQUE I.D. :	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	
BRIAN NEIGUM		COREY RAWLAKE	
SAFETY TOPIC		CEMENTING	
LAST CASING TUBING OR LINER		O.D. mm MIN. I.D kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)	
244.5 222.6 53.57 ipsco j-55 32 424.03 1.07 422.96			
DC . DP SIZE KG / M GRADE MIN.ID TOOL JT. O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.		SHALE SHAKER(S) RENTALS / SERVICES	
114 24.70 E CLAS 72 158 4.5 XH 165 ELCO HP 500 406		NO. 1 TYPE SWACO TYPE	
3 118.10 E 60 158 4.5 E 16		CHANGE SCREENS YES x NO	
4 174.80 E 72 204 6.5/8 R 4		TOP 110 TOP	
		MIDDLE MIDDLE	
		BOTTOM 110 BOTTOM	
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 TOTAL			
OPER. RIGUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CIRC. TRIPS RIG SERVICE REPAIR RIG CUT OFF DRLG. LINE DEV. SURVEY WIRELINE LOGS RUN CSG. & CEMENT WAIT ON CEMENT HIPPLE UP B.O.P. TEST B.O.P. DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING WELD BOW			
MORN		0.75 4.00	
DAY		2.50 4.50	
EVE		3.50	
TOTAL		0.75 4.00 2.50 8.00	
NO. DRILLING ASSEMBLY (AT END OF TOUR) BIT RECORD MUD RECORD METERS DRILLED TIME LOG TIME DETAIL			
BIT/ MILLS O.D.mm BIT NO. WATER BASED x OIL BASED FROM TO DRILL/ REAM/CR. ROTARY R.P.M. WT. ON BIT FROM TO ELAPSED TIME CODE			
SIZE (mm) TIME		0 45 0.75 12 CEMENT CSG	
IADC		45 445 4.00 13 WAIT ON CEMENT	
CODE		445 800 3.25 22 CUT CSG LD DIVERTER CUT CONDUCTOR WELD ON BOWL	
MFG.			
W.L cm/ FILCK			
Type			
SERIAL NO.			
JETS (mm)			
DEPTH IN (m)			
DEPTH OUT (m)			
TOTAL METER			
TOTAL HOURS			
DRILLPIPE STANDS			
DRILLPIPE SINGLES			
KELLY DOWN			
TOTAL			
WT. OF D.C.			
WT. OF STRING			
DRILLERS SIGNATURE JIM CARR			

Dave Blair

YEAR 2002	MONTH 2	DAY 25
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Dave Bell

MORNING SHIFT

LICENCE NO.: 1940

WELL NAME AND NO.:

Para et al Cameron H-03 AFE#01N210061

OPERATOR: PARAMOUNT RESOURCES LTD.

CONTRACTOR: PRECISION DRILLING, div OF PLP

SURFACE LOCATION: 60:02:23.74 N 11

UNIQUE I.D.:

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

CONTRACTORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

BRIAN NEIGUM

COREY RAWLAKE

- (1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (Using Check List)
(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

Opr.	R.M.	YEAR 2002	MONTH 2	DAY 24
BN	CR	RIG NO.: 117		
BN	CR	FUEL @ 08:00 HRS.		
BN	CR	RIG 2800 BOILER 3000		
BN	CR	TEMPERATURE -26		
BN	CR	CONDITIONS CLEAR		
BN	CR	WIND DIRECTION NORTH		
BN	CR	ROAD CONDITION SLIPPERY		

SAFETY TOPIC

LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)				RENTALS / SERVICES												Morn	Day	Eve	
											NO. 1	TYPE SWACO	TYPE																	
											CHANGE SCREENS		YES	X	NO															
												TOP 110	TOP																	
DC . DP SIZE		KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER		PUMP TYPE	STROKE LTH.																			
14		24.70	E CLAS	72	158	4.5 XH	165	ELCO		HP 500	406																			
8		118.10	E	60	158	4.5 E.	16																							
04		174.80	E	72	204	6 5/8 R	4																							
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	TOTAL			
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING									
MORN		2.25			1.00	3.00	0.25	1.00		0.25												0.25						8.00		
DAY					2.00	2.00						2.75									0.25	1.00						8.00		
EVE					5.25							2.50									0.25							8.00		
TOTAL		2.25			8.25	5.00	0.25	1.00		0.25		5.25									0.50	1.25						24.00		

DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED					TIME LOG				TIME DETAIL			
NO.	BIT/ MILLS	O.D. mm		BIT NO.	3			WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE				
1	BIT SUB	200	0.90	m	SIZE (mm)	342.0		TIME	300			393.00	423.00	D	150	4	0	100	1.00	8	REPAIR RIG WORK ON AIR STARTER ON PUMP			
2	D.C.	197	17.60	m				DENSITY kg/m3	1210								100	215	1.25	2	DRILL FR 393 TO 408M			
1	X.O.	197	0.54	m	IADC CODE			FUNNEL VIS s/l	52								215	230	0.25	7	RIG SERVICE FT HYDRIL			
15	D.C.	160	139.78	m	MFG.	SMITH		W.L. cm/ FILCK	0.0								230	245	0.25	10	DEV. SURVEY AT 398M 1.0			
				m	Type	dsj		PH	8.0								245	345	1.00	2	DRILL TO 423			
				m	SERIAL NO.	PA 5430											345	430	0.75	5	COND MUD & CIRC			
				m	JETS (mm)	11, 11, 11		MUD MATERIALS USED				3000	@	36	@	389	430	730	3.00	6	TRIPS WIPER TRIP AT 423M			
				m	DEPTH IN (m)	389.00		TYPE	QTY	UNITS		SOLIDS CONTROL EQUIPMENT					730	745	0.25	22	CHANGE SHAKER SCREEN			
				m	DEPTH OUT (m)	423.00		GEL	18 0			DESILTER					745	800	0.25	5	COND MUD & CIRC			
				m	TOTAL METER	34.00						HOURS	INTAKE	OVERFLOW	UNDERFLOW		800							
				m	TOTAL HOURS	2.75						CENTRIFUGE												
13	DRILLPIPE STANDS	246.77	m									HOURS	INTAKE	OVERFLOW	UNDERFLOW									
1	DRILLPIPE SINGLES	9.64	m																					
	KELLY DOWN	7.42	m					DEVIATION SURVEY																
	TOTAL	423.00	m					DEPTH (m)	DEVIATION	DIRECTION														
	WT. OF D.C.	12	1000 dan		DRAG dan			398.00	1.00			BOILER PH STACK deg					8.00	10.0	240	Notes:				
	WT. OF STRING	24	1000 dan		TORQUE							MACP												
	DRILLERS SIGNATURE	JIM CARR			FILL m							MAX HOOKLOAD												
																						Dave R. List		

LICENCE NO. : **1940**

WELL NAME AND NO. :

Para et al Cameron H-03 AFE#01N210061

OPERATOR.: **PARAMOUNT RESOURCES LTD.**

CONTRACTOR: **PRECISION DRILLING, div OF PLP**

SURFACE LOCATION.: 60:02:23.74 N 11

UNIQUE I.D. :

OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)

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& CORRECT TO THE BEST OF MY ABILITY)

BRIAN NEIGUM

COREY RAWLAKE

SAFETY TOPIC

RUN CASING

LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHALE SHAKER(S)				RENTALS / SERVICES				Morn	Day	Eve
										NO. 1	TYPE SWACO	TYPE								
										CHANGE SCREENS			YES	X	NO					
										TOP 110	TOP									
DC. DP SIZE	KG / M	GRADE	MIN.ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	MIDDLE	MIDDLE									
14	24.70	E CLAS	72	158	4.5 XH	165	ELCO	HP 500	406											
14	118.10	E	60	158	4.5 E.	16														
14	174.80	F	72	204	6 5/8 R	4				BOTTOM 110	BOTTOM									

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	TOTAL
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING						
MORN		2.25			1.00	3.00	0.25	1.00		0.25												0.25					8.00
DAY					2.00	2.00						2.75									0.25	1.00					8.00
EVE					5.25							2.50									0.25						8.00
TOTAL		2.25			8.25	5.00	0.25	1.00		0.25		5.25									0.50	1.25					24.00

[illegible]

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061		(2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Preformed (7) Visually Inspect BOP's - Flarelines & Degasser Lines		BN CR BN CR BN CR BN CR BN CR BN CR		117 FUEL @ 08:00 HRS. RIG 2800 BOILER 3000	
OPERATOR. : PARAMOUNT RESOURCES LTD.		CONTRACTOR: PRECISION DRILLING, div OF PLP							
SURFACE LOCATION. : 60:02:23.74 N 11		UNIQUE I.D. :							
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		(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		CR CR		WEATHER TEMPERATURE -26 CONDITIONS CLEAR WIND DIRECTION NORTH ROAD CONDITION SLIPPERY	

BRIAN NEIGUM										COREY RAWLAKE										SAFETY TOPIC																				
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve					
																			NO. 1 TYPE SWACO TYPE																					
																			CHANGE SCREENS		YES		X		NO															
																			TOP 110		TOP																			
DC. DP SIZE		KG / M		GRADE		MIN. ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		MIDDLE		MIDDLE																		
14		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406																						
		118.10		E		60		158		4.5 E		16								BOTTOM		BOTTOM																		
4		174.80		E		72		204		6 5/8 R		4								110																				
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	TOTAL													
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																			
MORN		2.25			1.00	3.00	0.25	1.00		0.25												0.25				8.00														
DAY					2.00	2.00						2.75									0.25	1.00				8.00														
EVE					5.25							2.50									0.25					8.00														
TOTAL		2.25			8.25	5.00	0.25	1.00		0.25		5.25									0.50	1.25				24.00														
NO. DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD					MUD RECORD					METERS DRILLED					TIME LOG					TIME DETAIL										
BIT/ MILLS		O.D.mm		m		BIT NO.						WATER BASED X		OIL BASED				FROM		TO		DRILL/ REAM/CR.		ROTARY R.P.M.		WT. ON BIT		FROM		TO		ELAPSED TIME		CODE						
				m		SIZE (mm)						TIME		1800		2300		423.00										1600		1800		2.00		12		RUN CASE ING				
				m								DENSITY kg/m3		1180		1190												1800		2315		5.25		5		CIRC CSG WAIT ON PUMPER				
				m		IADC CODE						FUNNEL VIS s/l		65		44												2315		2330		0.25		21		SAFETY MTG.				
				m		MFG.						W.L. cm/ FILCK																2330		2400		0.50		12		CEMENT				
				m		Type						PH		8.5		8.0		Circ. Press (kPa)		PUMP NO. 1 LINER(mm) SPM		PUMP NO. 2 LINER(mm) SPM				2400														
				m		SERIAL NO.														REDUCED PUMP SPEED		@		@																
				m		JETS (mm)																																		
				m		DEPTH IN (m)						MUD MATERIALS USED		TYPE		QTY		UNITS																						
				m		DEPTH OUT (m)						LIGNITE				2		SX																						
				m		TOTAL METER																																		
				m		TOTAL HOURS																																		
DRILLPIPE		STANDS		m		INNER		OUTER		DULL		LOCATION		BEARINGS		GAGE/mm		OTHER		REASON		R.O.P.																		
DRILLPIPE		SINGLES		m																																				
KELLY DOWN				m																																				
TOTAL				m																																				
WT. OF D.C.				1000 dan		DRAG dan																																		
WT. OF STRING				1000 dan		TORQUE																																		
				dan		FILL m																																		
DRILLERS SIGNATURE										JIM CARR																														

YEAR 2002	MONTH 2	DAY 24
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Dave Blood

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061		(2) Detailed Inspection-Weekly (Using Check List) (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		RIG NO.: 117 FUEL @ 08:00 HRS. RIG 4800 BOILER 4700	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP		(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		WEATHER TEMPERATURE -22 CONDITIONS OVERCAST WIND DIRECTION N.W. ROAD CONDITION SIPPERY	
SURFACE LOCATION : 60:02:23.74 N 11		UNIQUE I.D. :					
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)					

COREY RAWLAKE

SAFETY TOPIC

[illegible]

NO.		DRILLING ASSEMBLY (AT END OF TOUR)				BIT RECORD				MUD RECORD				METERS DRILLED					TIME LOG				TIME DETAIL			
		BIT/ MILLS	O.D.mm	0.35	m	BIT NO.	2	3	WATER BASED		X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE				
1		BIT SUB	200	0.90	m	SIZE(mm)	342.0	342.0	TIME					389.00	393.00	D	150	4	1600	1615	0.25	2	RIG SERVICE			
2		D.C.	197	17.60	m	IADC CODE			DENSITY kg/m3										1615	1645	0.50	6	TRIPS			
1		X.O.	197	0.54	m	MFG.			FUNNEL VIS s/l										1645	1715	0.50	5	COND MUD & CIRC tight hole @ 281m			
15		D.C.	160	139.78	m	Type	DSJ	dsj	W.L cm/ FILCK					Circ. Press (kPa)	PUMP NO. 1		PUMP NO. 2		1715	1900	1.75	6	TRIPS p.o.o.h.			
					m	SERIAL NO.	LA2906	PA 5430	PH					8000	152.0	70	0.0	SPM	1900	2115	2.25	6	TRIPS CHANGE BIT RIH			
					m	JETS (mm)	15.15.15.15	11.11.11.11	REDUCED PUMP SPEED					2000	@	35	@		2115	2145	0.50	5	COND MUD & CIRC V WASH TO BOTTOM			
					m	DEPTH IN (m)	253.00	389.00	MUD MATERIALS USED					SOLIDS CONTROL EQUIPMENT		DESILTER			2145	2215	0.50	2	DRILL FR 389 TO393			
					m	DEPTH OUT (m)	389.00		TYPE		QTY	UNITS		HOURS		INTAKE	OVERFLOW	UNDERFLOW	2215	2400	1.75	8	REPAIR RIG WORK ON AIR STARTER ON PUMP			
					m	TOTAL METER	136.00	4.00						CENTRIFUGE					2400							
					m	TOTAL HOURS	9.50	0.50						HOURS		INTAKE	OVERFLOW	UNDERFLOW								
12		DRILLPIPE	STANDS	227.89	m	INNER	OUTER	DULL	LOCATION		BEARINGS	GAGE/mm	OTHER	REASON	R.O.P.	DEVIATION SURVEY										
		DRILLPIPE	SINGLES		m				DEPTH (m)		DEVIATION	DIRECTION			HOURS		INTAKE	OVERFLOW	UNDERFLOW							
		KELLY DOWN	5.94		m									HRS. RUN		PH	STACK deg	Notes:								
		TOTAL	393.00		m	DRAG dan								8.00	10.0	240										
		% D.C.	12	1000 dan		TORQUE								MACP		0										
		WT. OF STRING	24	1000 dan		FILL m								MAX HOOKLOAD		25										
DRILLERS SIGNATURE JIM CARR																										

Dave Blood

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061		(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (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		<table border="1"> <tr> <td>Opr</td> <td>R.M</td> </tr> <tr> <td>BN</td> <td>CR</td> </tr> <tr> <td>BN</td> <td>CR</td> </tr> <tr> <td>BN</td> <td>CR</td> </tr> <tr> <td>BN</td> <td>CR</td> </tr> <tr> <td>BN</td> <td>CR</td> </tr> <tr> <td>BN</td> <td>CR</td> </tr> </table>	Opr	R.M	BN	CR	BN	CR	BN	CR	BN	CR	BN	CR	BN	CR	<table border="1"> <tr> <td>YEAR</td> <td>2002</td> <td>MONTH</td> <td>2</td> <td>DAY</td> <td>23</td> </tr> </table>	YEAR	2002	MONTH	2	DAY	23
Opr	R.M																										
BN	CR																										
BN	CR																										
BN	CR																										
BN	CR																										
BN	CR																										
BN	CR																										
YEAR	2002	MONTH	2	DAY	23																						
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP		(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		<table border="1"> <tr> <td colspan="6">RIG NO. : 117</td> </tr> <tr> <td colspan="6">FUEL @ 08:00 HRS.</td> </tr> <tr> <td>RIG</td> <td>4800</td> <td>BOILER</td> <td>4700</td> <td colspan="2"></td> </tr> </table>	RIG NO. : 117						FUEL @ 08:00 HRS.						RIG	4800	BOILER	4700					
RIG NO. : 117																											
FUEL @ 08:00 HRS.																											
RIG	4800	BOILER	4700																								
SURFACE LOCATION : 60:02:23.74 N 11		UNIQUE I.D. :																									
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WEATHER	TEMPERATURE	-22																									
	CONDITIONS	OVERCAST																									
	WIND DIRECTION	N. W.																									
	ROAD CONDITION	SLIPPERY																									
BRIAN NEIGUM		COREY RAWLAK																									

[illegible]

Dave Bled

MORNING SHIFT

LICENCE NO. : 1940

WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061

OPERATOR : PARAMOUNT RESOURCES LTD.

CONTRACTOR : PRECISION DRILLING, div OF PLP

SURFACE LOCATION : 60:02:23.74 N 11

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(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

Opr. BN CR
R.M. BN CR
BN CR
BN CR
BN CR
BN CR
BN CR

YEAR 2002 MONTH 2 DAY 23
RIG NO.: 117
FUEL @ 08:00 HRS.
RIG 4800 BOILER 4700
WEATHER TEMPERATURE -22
CONDITIONS OVERCAST
WIND DIRECTION N.W.
ROAD CONDITION SLIPPERY

BRIAN NEIGUM										COREY RAWLAKE										SAFETY TOPIC																																			
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Eve																				
																			NO. 1		TYPE SWACO		TYPE																																
																			CHANGE SCREENS				YES X NO																																
DC. DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		TOP 110		TOP																																	
114		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406		MIDDLE		MIDDLE																																	
158		118.10		E		60		158		4.5 E.		16								BOTTOM		BOTTOM																																	
204		174.80		E		72		204		6 5/8 R		4								110																																			
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		TOTAL	
OPER.		RIGUP & TEARDOWN		DRILL ACTUAL		REAMING		CORING		COND. MUD & CIRC.		TRIPS		RIG SERVICE		REPAIRRIG		CUT OFF DRLG. LINE		DEV. SURVEY		WIRELINE LOGS		RUN CSG. & CEMENT		WAIT ON CEMENT		NIPPLE UP B.O.P		TEST B.O.P.		DRILL STEM		PLUG BACK		SQUEEZE CEMENT		FISHING		DIRECTIONAL WORK		SAFETY MEETING													
MORN				3.00						0.50		3.75		0.25						0.50																														8.00					
DAY				6.75						0.50										0.75																												8.00							
EVE				0.75						1.00		4.50				1.75																																8.00							
TOTAL				10.50						2.00		8.25		0.25		1.75				1.25																												24.00							

DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD										MUD RECORD										METERS DRILLED										TIME LOG										TIME DETAIL									
NO.	BIT/ MILLS	O.D. mm	0.35	m	BIT NO.	1	2	WATER BASED		X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																																						
1	BIT SUB	200	0.90	m	SIZE (mm)	342.9	342.0	TIME	600				253.00	303.00	D	150	6	0	30	0.50	2	DRILL TO 253																																					
2	D.C.	197	17.60	m	IADC CODE			DENSITY kg/m3	1000									30	100	0.50	5	COND MUD & CIRC																																					
1	X.O.	197	0.54	m	MFG.			FUNNEL VIS s/l	30									100	230	1.50	6	TRIPS POOH CHANGE BIT																																					
15	D.C.	160	139.78	m	Type	SMITH		W.L. cm/ FILCK	0.0									230	245	0.25	7	RIG SERVICE																																					
				m	SERIAL NO.	MSDSHC	DSJ	PH	8.5									245	500	2.25	6	TRIPS IN																																					
				m	JETS (mm)	KN 8349	LA2906	CALCIUM	1880.00									500	545	0.75	2	DRILL TO 265M																																					
				m	DEPTH IN (m)	MUD MATERIALS USED										REDUCED PUMP SPEED																																											
				m	DEPTH OUT (m)	12, 12, 12, 14, 115, 15, 115, 15		TYPE	QTY	UNITS	SOLIDS CONTROL EQUIPMENT																																																
				m	TOTAL METER	17.00	253.00	GEL ENVIROFLOC	32			DESILTER																																															
				m	TOTAL HOURS	253.00						CENTRIFUGE																																															
7	DRILLPIPE STANDS	132.83	m	INNER	OUTER	DULL	LOCATION	BEARINGS	GAGE (mm)	OTHER	REASON	R.O.P.	DEVIATION SURVEY																																														
	DRILLPIPE SINGLES		m										HOURS INTAKE OVERFLOW UNDERFLOW																																														
	KELLY DOWN	11.42	m										HOURS INTAKE OVERFLOW UNDERFLOW																																														
	TOTAL	303.42	m										HOURS INTAKE OVERFLOW UNDERFLOW																																														
	r. OF D.C.	12	1000	dan	DRAG dan			DEPTH (m)	255.00	0.25			BOILER																																														
	WT. OF STRING	21	1000	dan	TORQUE			284.00	1.00				HRS. RUN																																														
					FILL m								PH										STACK deg																																				
	DRILLERS SIGNATURE	JIM CARR											MACP																																														
													MAX HOOKLOAD										28																																				

Dave Bled

YEAR 2002	MONTH 2	DAY 23
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Dave Bled

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061		(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (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		OPR. : BN CR BN CR BN CR BN CR BN CR BN CR BN CR	YEAR 2002 MONTH 2 DAY 22
OPERATOR. : PARAMOUNT RESOURCES LTD.		CONTRACTOR. : PRECISION DRILLING, div OF PLP		(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		RIG NO. : 117 FUEL @ 08:00 HRS. RIG 3500 BOILER 3500	TEMPERATURE -17 CONDITIONS CLEAR WIND DIRECTION N.W. ROAD CONDITION OK
SURFACE LOCATION. : 60:02:23.74 N 11		UNIQUE I.D. :				CR	
OPERATORS REPRESENTATIVE: (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)				CR	
BRIAN NEUMANN						CR	

[illegible]

Dave Blod

DAY SHIFT

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP	
SURFACE LOCATION : 60:02:23.74 N 11		UNIQUE I.D. :	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	
BRIAN NEIGUM		COREY RAWLAKE	
SAFETY TOPIC		pre spud meeting	
LAST CASING TUBING OR LINER		O.D. mm MIN. I.D. kg/m MAKE GRADE # OF JOINTS TOTAL (m) KB TO CSG. SET AT (m)	
SHALE SHAKER(S)		RENTALS / SERVICES	
NO. 1 TYPE SWACO		Morn Day Eve	
CHANGE SCREENS		YES X NO	
TOP 110		TOP	
MIDDLE		MIDDLE	
BOTTOM 110		BOTTOM	
DC. DP SIZE KG / M GRADE MIN. ID TOOL JT. O.D. TYPE THREAD # OF JOINTS PUMP MANUFACTURER PUMP TYPE STROKE LTH.			
114 24.70 E CLAS 72 158 4.5 XH 165 ELCO HP 500 406			
158 118.10 E 60 158 4.5 E 16			
1 174.80 E 72 204 6.5/8 R 4			
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 TOTAL			
OPER. RIGUP & TEARDOWN DRILL ACTUAL REAMING CORING COND. MUD & CIRC. TRIPS RIG SERVICE REPAIR RIG CUT OFF DRILL. LINE DEV. SURVEY WIRELINE LOGS RUN CSG. & CEMENT WAIT ON CEMENT HIPLE UP B.O.P. TEST B.O.P. DRILL STEM PLUG BACK SQUEEZE CEMENT FISHING DIRECTIONAL WORK SAFETY MEETING			
MORN			
DAY 1.25 5.50		0.75 1.25	
EVE		0.25 1.25	
TOTAL 1.25 12.00		0.25 2.00	
DRILLING ASSEMBLY (AT END OF TOUR)		BIT RECORD	
NO. 1 BIT/ MILLS O.D. mm 0.35 m BIT NO. 1		WATER BASED X OIL BASED	
1 BIT SUB 200 0.90 m SIZE (mm) 342.9		TIME 1000 1300 1600	
2 D.C. 197 17.60 m IADC CODE		DENSITY 1030 1040 1050	
1 X.O. 197 0.54 m MFG. SMITH		FUNNEL VIS s/l 30 30 30	
9 D.C. 160 83.66 m Type MSDSHC		W.L. cm/ FILCK 0.0 0.0 0.0	
SERIAL NO. KN 8349		PH 8.0 10.0 10.0	
JETS (mm) 12.12.12.14.		TOT VOL 26.30 27.00 28.70	
DEPTH IN (m) 17.00		MUD MATERIALS USED	
DEPTH OUT (m)		TYPE QTY UNITS	
TOTAL METER 97.00		SAWDUST 4 SX	
TOTAL HOURS 5.50		DEVIATION SURVEY	
DRILLPIPE STANDS		DEPTH (m) DEVIATION DIRECTION	
DRILLPIPE SINGLES		30.00 0.50	
KELLY DOWN 11.42 m		57.00 0.25	
TOTAL 114.47 m		85.00 0.25	
D.C. 12 1000 dan DRAG dan 1000 dan		HRS. RUN PH STACK deg	
WT. OF STRING 16 1000 dan TORQUE 0		8.00 10.0 230	
DRILLERS SIGNATURE MARTY WEBER		MACP MAX HOOKLOAD 18	
		Notes: TEST AIR HORN & ENGINE KILLS	

(1) Daily Walk Around Inspection
(2) Detailed Inspection-Weekly (Using Check List)
(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

Opr.	R.M.
BN	CR
BN	CR
BN	CR
BN	CR
BN	CR
BN	CR
BN	CR
BN	CR
BN	CR
CR	
CR	
CR	

YEAR 2002	MONTH 2	DAY 22
RIG NO.: 117		
FUEL @ 08:00 HRS.		
RIG 3500	BOILER 3500	
WEATHER	TEMPERATURE -17	
	CONDITIONS CLEAR	
	WIND DIRECTION N.W.	
	ROAD CONDITION SLIPPERY	

Dave Black

MORNING SHIFT

LICENCE NO. : 1940	WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (3) H2S Signs Posted(If Required) (4) Well License & Stick Diagram Posted (5) Flare Lines Staked (6) BOP Drills Prefomed (7) Visually Inspect BOP's - Flarelines & Degasser Lines	<table border="1"> <tr> <th>Opr.</th> <th>R.M.</th> </tr> <tr><td>BN</td><td>CR</td></tr> <tr><td>BN</td><td>CR</td></tr> <tr><td>BN</td><td>CR</td></tr> <tr><td>BN</td><td>CR</td></tr> <tr><td>BN</td><td>CR</td></tr> <tr><td>BN</td><td>CR</td></tr> <tr><td>BN</td><td>CR</td></tr> </table>	Opr.	R.M.	BN	CR	BN	CR	BN	CR	BN	CR	BN	CR	BN	CR	BN	CR
Opr.	R.M.																		
BN	CR																		
BN	CR																		
BN	CR																		
BN	CR																		
BN	CR																		
BN	CR																		
BN	CR																		
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : PRECISION DRILLING, div OF PLP	<table border="1"> <tr> <td>YEAR 2002</td> <td>MONTH 2</td> <td>DAY 22</td> </tr> <tr> <td colspan="3">RIG NO.: 117</td> </tr> <tr> <td colspan="3">FUEL @ 08:00 HRS.</td> </tr> <tr> <td>RIG 3500</td> <td colspan="2">BOILER 3500</td> </tr> </table>	YEAR 2002	MONTH 2	DAY 22	RIG NO.: 117			FUEL @ 08:00 HRS.			RIG 3500	BOILER 3500						
YEAR 2002	MONTH 2	DAY 22																	
RIG NO.: 117																			
FUEL @ 08:00 HRS.																			
RIG 3500	BOILER 3500																		
SURFACE LOCATION : 60:02:23.74 N 11	UNIQUE I.D. :	<table border="1"> <tr> <td>CR</td> <td>TEMPERATURE -17</td> </tr> <tr> <td>CR</td> <td>CONDITIONS CLEAR</td> </tr> <tr> <td>CR</td> <td>WIND DIRECTION N.W.</td> </tr> <tr> <td>CR</td> <td>ROAD CONDITION SLIPPERY</td> </tr> </table>	CR	TEMPERATURE -17	CR	CONDITIONS CLEAR	CR	WIND DIRECTION N.W.	CR	ROAD CONDITION SLIPPERY									
CR	TEMPERATURE -17																		
CR	CONDITIONS CLEAR																		
CR	WIND DIRECTION N.W.																		
CR	ROAD CONDITION SLIPPERY																		
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)																	

BRIAN NEIGUM	COREY RAWLAKE	SAFETY TOPIC
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LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHAPE SHAKER(S)	RENTALS / SERVICES	Morn	Day	Eve
										NO. 1 TYPE SWACO TYPE				
										CHANGE SCREENS				
										TOP 110 TOP				
										MIDDLE MIDDLE				
										BOTTOM 110 BOTTOM				

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	TOTAL	
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIRRIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING							
MORN														4.00	2.50							1.50						8.00
DAY	1.25	5.50								0.75											0.50							8.00
EVE		6.50					0.25			1.25																		8.00
TOTAL	1.25	12.00					0.25			2.00				4.00	2.50						0.50	1.50						24.00

DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD										MUD RECORD										METERS DRILLED										TIME LOG										TIME DETAIL									
NO.	BIT/ MILLS	O.D.mm	m	BIT NO.	1					WATER BASED	X	OIL BASED		FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																																					
				SIZE (mm)	349.0					TIME									0	400	4.00	14	NIPPLE UP DIVERTER AND DEGASSER LINE																																				
				IADC CODE						DENSITY kg/m3									400	630	2.50	15	TEST B.O.P.																																				
				MFG.	SMITH					FUNNEL VIS s/l									630	800	1.50	22	MAKE UP BHA																																				
				Type	MSDSHC					W.L cm/ FILCK									800																																								
				SERIAL NO.	KN 8349					PH																																																	
				JETS (mm)	12.12.12.14.1																																																						
				DEPTH IN (m)																																																							
				DEPTH OUT (m)																																																							
				TOTAL METER																																																							
				TOTAL HOURS																																																							
	DRILLPIPE STANDS																																																										
	DRILLPIPE SINGLES																																																										
	KELLY DOWN																																																										
	TOTAL																																																										
	IF D.C.																																																										
	WT. OF STRING																																																										
DRILLERS SIGNATURE JIM CARR																				BOILER HRS. RUN PH STACK deg 8.00 10.0 240										Notes: VISUALLY INSPECTED DIVERTER & ALL RELIEF LINES PRIOR TO & AFTER MAKE-UP ACC CHECK PRECHARGE 7000 kPa, START 21000 kPa, DROP TO 12500 kPa AFTER 2 FUNCTIONS. RECHARGE TIME 1 min. 40 min.																													

Dave Blood

WELL NAME & NO. :

CONTRACTOR:

RIG NO. :

RIG MANAGER:

PROVINCE :

YEAR 2002	MONTH 2	DAY 22
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RIG SAFETY DAYS:	CAMP :
3	YES ☒
	NO ☐

Para et al Cameron H-03 AFE#01

PARAMOUNT RESOURCES L	PRECISION DRILLING, div OF	117
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COREY RAWLAKE

N.W.T.

[illegible]

EVENING SHIFT

LICENCE NO. : 1940	WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (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	Opr. BN CR R.M. BN CR YEAR 2002 MONTH 2 DAY 21 RIG NO.: 117 FUEL @ 08:00 HRS. RIG 800 BOILER 1000 WEATHER TEMPERATURE CONDITIONS WIND DIRECTION ROAD CONDITION
OPERATOR : PARAMOUNT RESOURCES LTD.	CONTRACTOR : PRECISION DRILLING, div OF PLP		
SURFACE LOCATION : 60:02:23.74 N 11	UNIQUE I.D. :		
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	

BRIAN NEIGUM										COREY RAWLAKE										SAFETY TOPIC																		
LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHAPE SHAKER(S)										RENTALS / SERVICES										Morn	Day	Eve						
										NO. 1	TYPE SWACO	TYPE																										
										CHANGE SCREENS			Y	X	ON																							
										TOP 110	TOP																											
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	MIDDLE	MIDDLE																											
114	24.70	E CLAS	72	158	4.5 XH	165	ELCO	HP 500	406																													
158	118.10	E	60	158	4.5 E	16																																
4	174.80	E	72	204	6.5/8 R	4				BOTTOM 110	BOTTOM																											
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	TOTAL											
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																	
MORN																											8.00											
DAY																											8.00											
EVE	7.00													1.00													8.00											
TOTAL	7.00													1.00													24.00											

DRILLING ASSEMBLY (AT END OF TOUR)										BIT RECORD										MUD RECORD										METERS DRILLED										TIME LOG										TIME DETAIL									
NO.	BIT/ MILLS	O.D. mm	m	BIT NO.						WATER BASED	OIL BASED	FROM	TO	DRILL/ REAM/CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE																																							
			m	SIZE (mm)						TIME							1600	1800	2.00	1	f/MOVE RIG w/CHINCHAGA CARRIERS																																						
			m	IADC CODE						DENSITY kg/m3							1800	2300	5.00	1	RIG UP																																						
			m	MFG.						FUNNEL VIS s/l							2300	2400	1.00	14	NIPPLE up diverter																																						
			m	Type						W.L. cm/ FILCK																																																	
			m	SERIAL NO.						PH																																																	
			m	JETS (mm)																																																							
			m	DEPTH IN (m)																																																							
			m	DEPTH OUT (m)																																																							
			m	TOTAL METER																																																							
			m	TOTAL HOURS																																																							
	DRILLPIPE STANDS		m																																																								
	DRILLPIPE SINGLES		m																																																								
	KELLY DOWN		m																																																								
	TOTAL		m																																																								
	D.C.		1000	DRAG dan																																																							
	WT. OF STRING		1000	TORQUE																																																							
			1000	FILL m																																																							
DRILLERS SIGNATURE JIM CARR																				HRS. RUN 5.00										BOILER PH 0										Notes: VISUALLY INSPECTED DERRICK, CROWN, MONKEY BOARD, BRIDLE LINES, ESCAPE LINE & BUGGY, & RAISING RAMS PRIOR TO STANDING.																			
																				MACP 0																																							
																				MAX HOOKLOAD																																							

Dave Blair

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061		(1) Daily Walk Around Inspection (2) Detailed Inspection-Weekly (Using Check List) (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		YEAR 2002 MONTH 2 DAY 21 BN CR BN CR BN CR BN CR	
OPERATOR. : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP				RIG NO.: 117	
SURFACE LOCATION : 60:02:23.74 N 11		UNIQUE I.D. :				FUEL @ 08:00 HRS.	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)				RIG 800 BOILER 1000	
						WEATHER	
						TEMPERATURE	
						CONDITIONS	
						WIND DIRECTION	
						ROAD CONDITION	

BRIAN NEIGUM										COREY RAWLAK										SAFETY TOPIC																			
LAST CASING TUBING OR LINER	O.D. mm		MIN. I.D		kg/m		MAKE		GRADE		# OF JOINTS		TOTAL (m)		KB TO CSG.		SET AT (m)		SHALE SHAKER(S)				RENTALS / SERVICES										Morn	Day	Even				
																			NO. 1		TYPE		TYPE																
																			CHANGE SCREENS		YES		X		NO														
																					TOP		TOP																
DC . DP SIZE		KG / M		GRADE		MIN.ID		TOOL JT. O.D.		TYPE THREAD		# OF JOINTS		PUMP MANUFACTURER		PUMP TYPE		STROKE LTH.		110		TOP																	
114		24.70		E CLAS		72		158		4.5 XH		165		ELCO		HP 500		406		MIDDLE		MIDDLE																	
158		118.10		E		60		158		4.5 E.		16								BOTTOM		BOTTOM																	
14		174.80		E		72		204		6 5/8 R		4								110		BOTTOM																	
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	TOTAL												
OPER.	RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRLG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING																		
MORN																																							
DAY																						8.00				8.00													
EVE	7.00													1.00							0.25	7.75				8.00													
TOTAL	7.00													1.00							0.25	15.75				8.00													
NO. DRILLING ASSEMBLY (AT END OF TOUR)																																							
BIT RECORD														MUD RECORD				METERS DRILLED				TIME LOG																	
BIT/ MILLS		O.D.mm		m		BIT NO.				WATER BASED		OIL BASED		FROM		TO		DRILL/ REAM/CR.		ROTARY R.P.M.		WT. ON BIT		FROM		TO		ELAPSED TIME		CODE		TIME DETAIL							
				m		SIZE (mm)				TIME														800		815		0.25		21		SAFETY MTG. WITH CREW AND TRUCKERS							
				m						DENSITY kg/m3														815		1600		7.75		22		MOVE							
				m		IADC CODE				FUNNEL VIS s/l														1600															
				m		MFG.				W.L. cm/ FILCK																													
				m		Type				PH																													
				m		SERIAL NO.																																	
				m		JETS (mm)																																	
				m		DEPTH IN (m)																																	
				m		DEPTH OUT (m)																																	
				m		TOTAL METER																																	
				m		TOTAL HOURS																																	
DRILLPIPE		STANDS		m																																			
DRILLPIPE		SINGLES		m		INNER		DULL		LOCATION		BEARINGS		GAGE/mm		OTHER		REASON		R																			

Dave B. Jell

MORNING SHIFT

LICENCE NO. : 1940		WELL NAME AND NO. : Para et al Cameron H-03 AFE#01N210061	
OPERATOR : PARAMOUNT RESOURCES LTD.		CONTRACTOR : PRECISION DRILLING, div OF PLP	
SURFACE LOCATION : 60:02:23.74 N 11		UNIQUE I.D. :	
OPERATORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)		CONTRACTORS REPRESENTATIVE : (I VERIFY AND ACCEPT INFORMATION ON TOUR SHEET TO BE TRUE & CORRECT TO THE BEST OF MY ABILITY)	
BRIAN NEIGUM		COREY RAWLAKE	

LAST CASING TUBING OR LINER	O.D. mm	MIN. I.D	kg/m	MAKE	GRADE	# OF JOINTS	TOTAL (m)	KB TO CSG.	SET AT (m)	SHAPE SHAKER(S)	RENTALS / SERVICES	Morn	Day	Eve	
										NO. 1	TYPE SWACO	TYPE			
										CHANGE SCREENS			YES	X	NO
										TOP 110	TOP				
DC. DP SIZE	KG / M	GRADE	MIN. ID	TOOL JT. O.D.	TYPE THREAD	# OF JOINTS	PUMP MANUFACTURER	PUMP TYPE	STROKE LTH.	MIDDLE	MIDDLE				
114	24.70	E CLAS	72	158	4.5 XH	165	ELCO	HP 500	406	BOTTOM 110	BOTTOM				
158	118.10	E	60	158	4.5 E	16									
	174.80	E	72	204	6.5/8 R	4									

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	TOTAL
OPER.	RIKUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND. MUD & CIRC.	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRUG. LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG. & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILL STEM	PLUG BACK	SQUEEZE CEMENT	FISHING	DIRECTIONAL WORK	SAFETY MEETING						
MORN																											
DAY																											
EVE	7.00													1.00								0.25	7.75				8.00
TOTAL	7.00													1.00								0.25	15.75				24.00

NO. DRILLING ASSEMBLY (AT END OF TOUR)		BIT RECORD				MUD RECORD				METERS DRILLED				TIME LOG				TIME DETAIL			
BIT / MILLS	O.D. mm	BIT NO.				WATER BASED		OIL BASED		FROM	TO	DRILL / REAM / CR.	ROTARY R.P.M.	WT. ON BIT	FROM	TO	ELAPSED TIME	CODE			
		SIZE (mm)				TIME									0	800	8.00	22	WAIT ON DAY LIGHT STRIP MUD		
		IADC CODE				DENSITY kg/m3															
		MFG.				FUNNEL VIS s/l															
		Type				W.L. cm / FILCK															
		SERIAL NO.				PH															
		JETS (mm)				MUD MATERIALS USED															
		DEPTH IN (m)				TYPE	QTY	UNITS													
		DEPTH OUT (m)				SOLIDS CONTROL EQUIPMENT															
		TOTAL METER				DESILTER															
		TOTAL HOURS				CENTRIFUGE															
DRILLPIPE STANDS						DEVIATION SURVEY															
DRILLPIPE SINGLES						DEPTH (m)	DEVIATION	DIRECTION													
KELLY DOWN						BOILER															
TOTAL						HRS. RUN	PH	STACK deg													
D.C.	1000	DRAG dan								8.00	10.0	240									
WT. OF STRING	1000	TORQUE								MACP											
	dan	FILL m								MAX HOOKLOAD											
DRILLERS SIGNATURE		JIM CARR																			

Dave Bley

[illegible]

Dave Bloss

[illegible][illegible]

Notes: