LICENCE NO	WELL NAME & NO
	Para et al Cameron J-04
OPERATOR	CONTRACTOR NAME: PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	UNIQUE ID
SIGNATURE OF OPERATOR'S REPRESENTATIVE: Neil Rundell	SIGNATURE OF CONTRACTOR'S RIG MANAGER: TYLER ELL

DAILY CHECKS

	SPR	P.M.
[1] Daily Walk Around Inspection	NR	TE
[2] Detailed Inspection - Weekly (Using Check List)		
[3] H2S Signs Posted if Required	NR	TE
[4] Well Licence & Stick Diagram Posted		
[5] Flare Lines Staked		
[6] BOP Drills Performed		
[7] Visually Inspect BOPs, Flare Lines & Diverter Lines		
[1] Rig Site Health & Safety Meeting (monthlyweekjob)	TE	
[2] CAODC Rig Safet Inspection Checklist (anuallyhonth)		
[3] Mast Inspection before Raising or Lowering	TE	
[4] Crown Saver Checked	TE	
[5] Motor Kills Checked		

YEAR	MONTH	DAY
2007	1	24

RIG NO: 129

FUEL @ 06:00 HRS

RIG	BOILER
4000	1400

TEMPERATURE	-17
CURRENT CONDITIONS	LIGHT SNOW
WIND DIRECTION	S/W
ROAD CONDITION	ICE

	O.D (mm)	WT (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
LAST CASING	219.1	205.9	35.72	IPSCO	J55	27	353.36	3.97	353
TUBING OR LINER	139.7	127.3	20.83	IPSCO	J55	110	1469.48	3.97	1469.30

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D	I.DIA. O.D	TYPE THREAD	NO. of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	89.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE: VERT	REENTRY: NO
OPERATOR'S AFE	
KELLY BUSHING: 33	DF FUEL
CONTRACTOR'S JOB NUM	
TOUR SHEET SERIAL NUM: PREC129_20070124_2B	
VENDOR SOFTWARE VERSION: EDR 3-2-4 ETS 2.2	

PASON DATAHUB

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	TOTALS
	RIG UP & 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	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING					
MORN																					0.25	7.75				8.00
DAY																					0.25	11.75				12.00
EVE																					0.25	3.75				4.00
TOTAL																					0.75	23.25				24.00

SHALE SHAKER(S)				RENTALS / SERVICES	MORN	DAY	EVE
NO. 1	TYPE BRANDT	TYPE	IT38 LOADER				
SCREENS CHANGED	YES	NEW USED	USED	CREW VEHICLE			
TOP 215		TOP 215					
MIDDLE 215		MIDDLE					
BOTTOM 215		BOTTOM					

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para et al Cameron J-04	2007	1	24

OPERATOR: CONTRACTOR NAME: PRECISION DRILLING, DIV OF PDC

RIG MANAGER: TYLER ELL — RIG NO: 129

PROVINCE: ALBERTA — CAMP: X YES ☐ NO — RIG SAFETY DAYS: 34

MORNING TOUR — FROM 0000 TO 0800

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	INJURIES NO
DRILLER		DEAN PODOLSKI	8.00			DP
DERRICKHAND		NEIL HALFE	8.00			NH
MOTOR HAND		KIRK LYLYK	8.00			KL
FLOORHAND		VOYTO DURECH	8.00			VD
FLOORHAND		DARRELL IZZARD	8.00			DI
RIG MANAGER		TYLER ELL	1.00	DAY		TE

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS — DRIVERS

DAY TOUR — FROM 0800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	INJURIES NO
DRILLER		MAGELLA MAINGUY	12.00			MM
DERRICKHAND		ADAM OAKE	12.00			AO
MOTORHAND		JASON BICKERT	12.00			JB
FLOORHAND		CHRIS LEONARD	12.00			CL
FLOORHAND		CAMERON MACKAY	12.00			CM
RIG MANAGER		TYLER ELL	1.00	DAY		TE

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS — DRIVERS

EVENING TOUR — FROM 2000 TO 2400

CREW	SOC INS. NO.	NAME	HRS		INJURIES YES	INJURIES NO
DRILLER		DEAN PODOLSKI	4.00			DP
DERRICKHAND		NEIL HALFE	4.00			NH
MOTOR HAND		KIRK LYLYK	4.00			KL
FLOORHAND		VOYTO DURECH	4.00			VD
FLOORHAND		DARRELL IZZARD	4.00			DI

RATE SCHEDULE: X REGULAR ☐ REPAIR ☐ INVERT

CREW SAFETY DAYS — DRIVERS

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
	BIT	O.D.
	DP	STANDS
	DP	SINGLES
	KELLY DOWN	
	TOTAL	
	WT. OF D.C.	
	WT. OF STRING	

BIT RECORD

BIT NO	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

OUTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN RUNR

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

MUD RECORD

MUD TYPE: ☐ WATER BASED [X] OIL BASED ☐

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNI

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 — HRS RUN 4; BOILER pH 12; STACK TEMP 375 — 2 — HRS RUN 0; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa — PUMP NO. 1 (UNER SIZE, SPM) — PUMP NO. 2 (UNER SIZE, SPM)

REDUCED PUMP SPEED: @ ☐ @ ☐

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0000	15	0.25	21	SAFETY MEETING
15	800	7.75	22	PREP RIG FOR THURSDAYS MORNING MOVE

NOTES: CHECK WELL HEAD

DRILLER SIGNATURE: DEAN PODOLSKI

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC: BOILER SAFETY — MEHL — MACP

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
	BIT	O.D.
	DP	STANDS
	DP	SINGLES
	KELLY DOWN	
	TOTAL	
	WT. OF D.C.	
	WT. OF STRING	

BIT RECORD

BIT NO	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

OUTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN RUNR

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

MUD RECORD

MUD TYPE: ☐ WATER BASED ☐ OIL BASED ☐

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNI

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 — HRS RUN 12; BOILER pH 12; STACK TEMP 375 — 2 — HRS RUN 0; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa — PUMP NO. 1 (UNER SIZE, SPM) — PUMP NO. 2 (UNER SIZE, SPM)

REDUCED PUMP SPEED: @ ☐ @ ☐

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0800	815	0.25	21	SAFETY MEETING
815	2000	11.75	22	MOVE CAMP AND SOME RIG LOADS
				MOVE RIG 268KM FROM ZAMA TO CAMERON HILLS

NOTES: CHECK ALL LOADS PRY OR TO LEAVING LOCATION

DRILLER SIGNATURE: MAGELLA MAINGUY

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC: RIG MOVE — MEHL — MACP

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
	BIT	O.D.
	DP	STANDS
	DP	SINGLES
	KELLY DOWN	
	TOTAL	
	WT. OF D.C.	
	WT. OF STRING	

BIT RECORD

BIT NO	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

OUTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN RUNR

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

MUD RECORD

MUD TYPE: ☐ WATER BASED ☐ OIL BASED ☐

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNI

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 — HRS RUN 4; BOILER pH 12; STACK TEMP 375 — 2 — HRS RUN 0; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa — PUMP NO. 1 (UNER SIZE, SPM) — PUMP NO. 2 (UNER SIZE, SPM)

REDUCED PUMP SPEED: @ ☐ @ ☐

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	SAFETY MEETING
2015	2400	3.75	22	SPOT RIG LOADS (WAIT ON DAYLIGHT TO MOVE MORE DRILLING COMPONENTS
				BOILER AND LIGHT PLANT WATCH AT RIG

NOTES: CHECK LOADS BLOW BOILER

DRILLER SIGNATURE: DEAN PODOLSKI

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC: BOILER SAFETY — MEHL — MACP

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION: 60:03:31.30 N 117:30:47.80 W	UNIQUE ID: 100/60 3 31.3 N–117 30 47.8 W
SIGNATURE OF OPERATORS REPRESENTATIVE: Neil Rundell	SIGNATURE OF CONTRACTORS RIG MANAGER: TYLER ELL

DAILY CHECKS

	SPR	TM
(1.) Daily Walk Around Inspection	NR	TE
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required	NR	TE
(4.) Well Licence & Stick Diagram Posted	NR	TE
(5.) Flare Lines Staked		
(6.) BOP Drills Performed		
(7.) Visually Inspect BOPs - Flare Lines & Degasser Lines		
(1.) Rig Site Health & Safety Meeting (weekly/newtours)		TE
(2.) CAODC Rig Safety Inspection Checklist (monthly/month)		
(3.) Mast Inspection before Raising or Lowering		TE
(4.) Crown Saver Checked		
(5.) Motor Kills Checked		

YEAR	MONTH	DAY
2007	1	25

RIG NO.	FUEL @ 00:00 HRS
129	
RIG	BOILER
4000	1400

WEATHER	
TEMPERATURE	
CURRENT CONDITIONS	
WIND CHILL	
WIND DIRECTION	
S/W	
ROAD CONDITION	
ICE	

LAST CASING TUBING OR LINER	OD (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
DC/DP	219.1	205.9	35.72	IPSCO	J55	27	353.36	3.97	353
DC/DP	139.7	127.3	20.83	IPSCO	J55	110	1469.48	3.97	1469.30

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	I.JNT O.D.	TYPE THREAD	NO of JOINTS
DC	152	122	STD	58	150	4"FH90	4
DC	121	69.5		57	123	3"-1/2 IF	16
DP	101	21.4	E	66	127	4"FH	154

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BRMMP	EMSCO	229
F-800		

SPUD DATE	TIME
RIG RELEASE	TIME
WELL TYPE: VERT	RE-ENTRY: NO
OPERATOR'S AFE: 07N710028	
REQUESTED: 33	DF FUEL
CONTRACTOR'S JOB NUM: 749	
TOUR SHEET SERIAL NUM: PREC129_20070125_1B	
VENDOR SOFTWARE VERSION: EDR 3-2-4 ETS 2.2	

PASON DATAHUB

CODE NO	1 RIG UP & TE ARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 SR. WORK	21 SAFETY MEETING	22	23	24	25	26
MORN																					0.25	7.75				
DAY																					0.5	11.5				
EVE	2.75																				1.25					
TOTAL	2.75																				2.00	19.25				

TOTALS	
8.00	
12.00	
4.00	
24.00	

SHALE SHAKER(S)		RENTALS / SERVICES	MORN	DAY	EVE
NO 1 TYPE BRANDT	TYPE IT38 LOADER				
SCREENS CHANGED	NEW USED	CREW VEHICLE			
TOP 215	TOP 215				
MIDDLE 215	MIDDLE				
BOTTOM 215	BOTTOM				

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	1	25

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	36

MORNING TOUR (FROM 0 TO 800)

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		DEAN PODOLSKI	8.00			DP
DERRICKHAND		NEIL HALFE	8.00			NH
MOTOR HAND		KIRK LYLYK	8.00			KL
FLOORHAND		CHRIS LEONARD	8.00			CL
FLOORHAND		CAMERON MACKAY	8.00			CM
RIG MANAGER		TYLER ELL	1.00	DAY		TE

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS | DRIVERS

DAY TOUR (FROM 800 TO 2000)

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MAGELLA MAINGUY	12.00			MM
DERRICKHAND		ADAM OAKE	12.00			AO
MOTORHAND		JASON BICKERT	12.00			JB
FLOORHAND		CHRIS LEONARD	12.00			CL
FLOORHAND		CAMERON MACKAY	12.00			CM

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 571 | DRIVERS: CAMERON MACKAY

EVENING TOUR (FROM 2000 TO 2400)

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		DEAN PODOLSKI	4.00			DP
DERRICKHAND		NEIL HALFE	4.00			NH
MOTOR HAND		KIRK LYLYK	4.00			KL
FLOORHAND		VOYTO DURECH	4.00			VD
FLOORHAND		DARRELL IZZARD	4.00			DI

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 602 | DRIVERS: DARRELL IZZARD

BIT RECORD

NO	DRILLING ASSEMBLY (AS BROUGHT FROM)	LENGTH
	BIT	O.D.

BIT NO / SIZE / IADC CODE / MANUFACTURER / TYPE / SERIAL NO / JETS / DEPTH OUT (m) / DEPTH IN (m) / TOTAL DRILLED (m) / TOTAL HRS RUN

CUTTING STRUCTURE: T1 | Tb | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN RUNR

DP STANDS / DP SINGLES / KELLY DOWN / TOTAL / WT. OF D.C. / WT. OF STRING

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

MORNING TOUR

MUD TYPE / WATER BASED / OIL BASED / TIME / DENSITY (kg/m3) / FUNNEL VISCOSITY / FLUID LOSS (cm3) / pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | BOILER pH 0 | STACK TEMP 0 — 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 UNER SIZE SPM | PUMP NO. 2 UNER SIZE SPM

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED: FROM | TO | DRC | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	SAFETY MEETING (BUDDY SYSTEM)
15	800	7.75	22	RIG MOVE AND WAIT ON DAYLIGHT TO MOVE REMAINING LOADS

NOTES: CHECK RIG LOADS AND BOILER LIGHTPLANT

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MAOP
BOILER SAFTY	6	0

DAY TOUR

MUD TYPE / WATER BASED / OIL BASED / TIME / DENSITY (kg/m3) / FUNNEL VISCOSITY / FLUID LOSS (cm3) / pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 0 | BOILER pH 0 | STACK TEMP 0 — 2 HRS RUN 0 | BOILER pH | STACK TEMP

CIRCULATION PRESSURE kPa | PUMP NO. 1 UNER SIZE SPM | PUMP NO. 2 UNER SIZE SPM

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED: FROM | TO | DRC | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	830	0.50	21	SAFETY MEETING (WITH ALL-NITE TRUCKING)
830	2000	11.50	22	MOVE RIG LOADS FROM ZAMA TO CAMERON HILLS
				260 KM RIG MOVE

NOTES: VISUALLY CHECK ALL TRUCKERS SLINGS, CHAINS AND EQUIPMENT

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MAOP
RIG MOVE	6	0

EVENING TOUR

MUD TYPE / WATER BASED / OIL BASED / TIME / DENSITY (kg/m3) / FUNNEL VISCOSITY / FLUID LOSS (cm3) / pH

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN 0 | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 4 | SUGGESTED pH 12 | STACK TEMP 550 — 2 HRS RUN 0 | SUGGESTED pH | STACK TEMP

CIRCULATION PRESSURE kPa 152 | PUMP NO. 1 UNER SIZE SPM | PUMP NO. 2 UNER SIZE SPM

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED: FROM | TO | DRC | RPM | WOB

TIME LOG: FROM | TO | ELAPSED TIME | CODE | DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2115	1.25	21	SAFETY MEETING WITH CREW AND WELDER
2115	2400	2.75	1	RIG UP DRILLING EQUIPMENT

NOTES: CHECKED BRAKE LINKAGES AND PINS ALL SAFTEY EQUIPTMENT
CHECKED ALL OVER HEAD HOISTING EQUIPTMENT PRIOR TO LIFTING AND RAISING TOP

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MAOP
RIGGING UP	0	0

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N–117 30 47.8 W
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
Neil Rundell	TYLER ELL

DAILY CHECKS

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

(1) Rig Site Health & Safety Meeting (one/every month)
(2) CAODC Rig Safet Inspection Checklist (one/fortnightly)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	DOPE	TUM.
	NR	TE
	NR	TE
	NR	TE
	NR	TE
	NR	TE
		TE
		TE
		TE

YEAR	MONTH	DAY
2007	1	26

RIG NO: 129
FUEL @ 07:00 HRS
RIG: 2500 BOILER: 1400

WEATHER
TEMPERATURE: -30
COMFORT CONDITIONS: LIGHT WIND CHILL
WIND DIRECTION: SW
ROAD CONDITION: ICE

LAST CASING TUBING OR LINER	O.D (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KBTO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	27	353.36	3.97	353
	139.7	127.3	20.83	IPSCO	J55	110	1469.48	3.97	1469.30

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	I.D./NC O.D.	TYPE THREAD	NO. of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

SPUD DATE	2007/01/25	TIME	16:15
RIG RELEASE		TIME	
WELL TYPE	VERT	RE-ENTRY	NO
OPERATOR'S AFE	07N710028		
KELLY BSHG	33	3rd FUEL	
CONTRACTOR'S JOB NUM	749		
TOUR SHEET SERIAL NUM	PREC129_20070126_1B		
VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2		

CAODC

PASON DATAHUB

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
	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.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DR WORK	SAFETY MEETING					
MORN	1.5													5.25							0.25					
DAY	5.5	2.75								0.5				2.25	0.25						0.75					
EVE		2.25					0.25			1.25											0.25					
TOTAL	7.00	5.00					0.25			1.75				8.50	0.25						1.25					

TOTALS	NO.	TYPE	TYPE	
8.00	1	BRANDT		IT38 LOADER
12.00	SCREENS CHANGED	NO	NEW USED	USED CREW VEHICLE
4.00	TOP 215	MIDDLE 215	TOP MIDDLE	
24.00	215	BOTTOM	BOTTOM	

SHALE SHAKER(S)	RENTALS / SERVICES	MORN	DAY	EVE

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	1	26

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	36

MORNING TOUR

NO.	DRILLING ASSEMBLY (AI END TO PI END)		LENGTH
	BIT	O.D.	

BIT RECORD

BIT NO	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

OUTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/hr

DP	STANDS	
DP	SINGLES	
KELLY DOWN		
TOTAL		
WT. OF D.C.		
WT. OF STRING		

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

MUD RECORD

MUD TYPE: | WATER BASED [ ] OIL BASED [ ]

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 8, BOILER pH 11, STACK TEMP 550 | 2 HRS RUN 0, BOILER pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
	152			

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	DR/C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	130	1.50	1	RIG UP DRILLING EQUIPTMENT
130	145	0.25	21	SAFETY MEETING NIPPLE UP
145	800	6.25	14	NIPPLE UP DIVERTER
800				

NOTES: CHECKED BRAKE LINKAGES AND PINS,BOP SLINGS,TUGGER LINES AND HOOKS
HYD. LEVEL IN RESERVOIR,AIR HORN

SPECIAL EVENT / TIME / DEPTH	SAFETY TOPIC	MEN.	MAN-HR
	NIPPLE UP	0	0

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS | DRIVERS: DARRELL IZZARD

MORNING TOUR	FROM	0	TO	800	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		DEAN PODOLSKI	8.00			DP
DERRICKHAND		NEIL HALFE	8.00			NH
MOTOR HAND		KIRK LYLYK	8.00			KL
FLOORHAND		VOYTO DURECH	8.00			VD
FLOORHAND		DARRELL IZZARD	8.00			DI
RIG MANAGER		TYLER ELL	1.00	DAY		TE

DAY TOUR

NO.	DRILLING ASSEMBLY (AI END TO PI END)		LENGTH
1	BIT	O.D.	32
1	BELL JAR	1½/	65
2	6" DC	1½/	18.24

BIT RECORD

BIT NO	1	
SIZE	311	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	CH04JMRSV	
SERIAL NO	228982	
JETS	3X	14.3
DEPTH OUT (m)		
DEPTH IN (m)	0	
TOTAL DRILLED (m)	31	
TOTAL HRS RUN	2.75	

OUTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/hr: 11

DP	STANDS	
DP	SINGLES	
KELLY DOWN		12.76
TOTAL		31.97
WT. OF D.C.	10	
WT. OF STRING	10	

HOLE CONDITION: *HOLE DRAG 0 | TORQUE AT BOTTOM 0 | *FILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE: GEL CHEM | WATER BASED [X] OIL BASED [ ]

TIME	1000	1400	1800
DENSITY (kg/m3)	1010	1010	1010
FUNNEL VISCOSITY	29	29	29
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT
SAWDUST | 5 | SX
DETERGENT | 1 | PAILS

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 12, BOILER pH 11, STACK TEMP 520 | 2 HRS RUN 0, BOILER pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
500	152	100		

REDUCED PUMP SPEED: 80 @ 68 @ 31

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION
31 | 50

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	DR/C	RPM	WOB
0	31	D	200	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	21	SAFETY MEETING NIPPLE UP DIVERTER
815	1030	2.25	14	FINISH NIPPLE UP DIVERTER
1030	1600	5.50	1	FINISH RIG UP DRILLING EQUIPMENT
1600	1615	0.25	15	TEST DIVERTER HYDRILL TO 2200 KPA 15 MINS
1615	1645	0.50	21	SAFETY MEETING DIVERTER DRILL
1645	1930	2.75	2	SPUD RIG WITH 311mm BIT , DRILL ACTUAL FROM 0m TO 31m
1930	2000	0.50	10	DEVIATION SURVEY
2000				
				SAFETY MEETING WITH CREW AND CAMP STAFF (FIRE , H2S AND EVACUATION DRILL)

NOTES: CHECKED CROWN SAVER BRAKE LINKAGE PINS,TONGS AND TONGS LINES
DIVERTER SET UP, DIVERTER LINES AND FLARE TANK

SPECIAL EVENT / TIME / DEPTH	SAFETY TOPIC	MEN.	MAN-HR
	DIVERTER DRILL	10	0

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS | DRIVERS: CAMERON MACKAY

DAY TOUR	FROM	800	TO	2000	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MAGELLA MAINGUY	12.00			MM
DERRICKHAND		ADAM OAKE	12.00			AO
MOTORHAND		JASON BICKERT	12.00			JB
FLOORHAND		CHRIS LEONARD	12.00			CL
FLOORHAND		CAMERON MACKAY	12.00			CM

EVENING TOUR

NO.	DRILLING ASSEMBLY (AI END TO PI END)		LENGTH
1	BIT	O.D.	32
1	BELL JAR	1½/	65
4	6" DC	1½/	36.09
1	X.O	1½1	64
4	4 3/4 COLLAR	1½1	37.35
1	JAR	1½/	4.92

BIT RECORD

BIT NO	1	
SIZE	311	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	CH04JMRSV	
SERIAL NO	228982	
JETS	3X	14.3
DEPTH OUT (m)		
DEPTH IN (m)	0	
TOTAL DRILLED (m)	92	
TOTAL HRS RUN	5	

OUTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/hr: 18.4

DP	STANDS	
DP	SINGLES	
KELLY DOWN		12.12
TOTAL		92.09
WT. OF D.C.	14	
WT. OF STRING	14	

HOLE CONDITION: *HOLE DRAG 1 UP 2 DOWN | TORQUE AT BOTTOM 0 | *FILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE: GEL CHEM | WATER BASED [X] OIL BASED [ ]

TIME	2130	2300	2330
DENSITY (kg/m3)	1060	1100	1100
FUNNEL VISCOSITY	35	36	38
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT
DETERGENT | 2 | PAILS
GEL | 33 | SX

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 4, BLOWDOWN pH 12, STACK TEMP 680 | 2 HRS RUN 0, BLOWDOWN pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
1720	152	120		

REDUCED PUMP SPEED: 310 @ 68 @ 92

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION
31.95 | 50
59.08 | 25
92.08 | 75

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	DR/C	RPM	WOB
31	92	D	220	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T ANNULAR CL 20 SEC OP 21 SEC)
2015	2030	0.25	21	SAFETY MEETING (BOP DRILL WORKING WITH DIVERTER)
2030	2245	2.25	2	DRILL ACTUAL FROM 31m TO 92m
2245	2400	1.25	10	DEVIATION SURVEY (ACCUM)
2400				
				BLEW DOWN BOILER 2 TIMES

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
ACCUM CONTROL AND HYD LEVEL,AIR HORN PVT FOR PROPER ACCURACY

SPECIAL EVENT / TIME / DEPTH	SAFETY TOPIC	MEN.	MAN-HR
	DIVERTER BOP DRILL	13	0

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS | DRIVERS: DARRELL IZZARD

EVENING TOUR	FROM	2000	TO	2400	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		DEAN PODOLSKI	4.00			DP
DERRICKHAND		NEIL HALFE	4.00			NH
MOTOR HAND		KIRK LYLYK	4.00			KL
FLOORHAND		VOYTO DURECH	4.00			VD
FLOORHAND		DARRELL IZZARD	4.00			DI

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION: 60:03:31.30 N 117:30:47.80 W	UNIQUE ID: 100/60 3 31.3 N--117 30 47.8 W
SIGNATURE OF OPERATOR'S REPRESENTATIVE: Neil Rundell	SIGNATURE OF CONTRACTOR'S RIG MANAGER: TYLER ELL

DAILY CHECKS

	SEFE	S.M.
(1) Daily Walk Around Inspection	NR	TE
(2) Detailed Inspection - Weekly (Using Check List)		
(3) H2S Signs Posted if Required	NR	TE
(4) Well License & Stick Diagram Posted	NR	TE
(5) Flare Lines Staked	NR	TE
(6) BOP Drills Performed	NR	TE
(7) Visually Inspect BOPs, Flare Lines & Degasser Lines	NR	TE
(1) Rig Site Health & Safety Meeting (check every crew)		TE
(2) CAODC Rig Safet Inspection Checklist (one/month/rig)		
(3) Mast Inspection before Raising or Lowering		TE
(4) Crew Saver Checked		TE
(5) Motor Kills Checked		TE

YEAR	MONTH	DAY
2007	1	27

RIG NO	
129	

FUEL (S) RECEIVED	
RIG	BOILER
17000	2400

WEATHER
- TEMPERATURE: 30
- CURRENT CONDITIONS: USUALLY WIND CHILL
- WIND DIRECTION: S/W
- ROAD CONDITION: ICE

LAST CASING TUBING OR LINER	O.D (mm)	MIN I.D (mm)	MASS (kg/m.)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	27	353.36	3.97	353
	139.7	127.3	20.83	IPSCO	J55	110	1469.48	3.97	1469.30

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	FLANGE O.D.	TYPE THREAD	NO. of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

	SPUD DATE	2007/01/26	TIME	16:15
	RIG RELEASE		TIME	
	WELL TYPE	VERT	RE-ENTRY	NO
	OPERATOR'S AFE	07N710028		
	KELLY BUSHING	33	DF FUEL	
	CONTRACTOR'S JOB NUM.	749		
	TOUR SHEET SERIAL NUM.	PREC129_20070127_1C		
	VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2		

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

CAODC PASON DATAHUB

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	27	TOTALS
	RIG UP & TEAR DOWN	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.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	SIR. WORK	SAFETY MEETING							
MORN		6.25					0.25			1.25											0.25							8.00
DAY		11.0					0.25			0.5											0.25							12.00
EVE		2.25					0.25			1.25											0.25							4.00
TOTAL		19.50					0.75			3.00											0.75							24.00

SHALE SHAKER(S)		RENTALS / SERVICES	MORN.	DAY	EVE.
NO.	TYPE / BRANDT	TYPE			
1		IT38 LOADER			
SCREENS CHANGED	NO / NEW USED	USED / CREW VEHICLE			
TOP	215 / 215	TOP			
MIDDLE	215	MIDDLE			
BOTTOM	215	BOTTOM			

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	1	27

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	37

MORNING TOUR — FROM 0 TO 800

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D. 32	
1	BELL JAR	152	65
4	6" DC	152	36.09
1	X.O	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
2	H.W.D.P	102	19.05
	DP	STANDS	
	DP	SINGLES	
	KELLY DOWN		12.12
	TOTAL		223.08
	WT. OF D.C.	19	
	WT. OF STRING	19	

BIT RECORD

BIT NO	1		
SIZE	311		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	CH04JMRSV		
SERIAL NO	228982		
JETS	3X	14.3	
DEPTH OUT (m)			
DEPTH IN (m)	0		
TOTAL DRILLED (m)	223		
TOTAL HRS RUN	11.25		

CUTTING STRUCTURE: T1 | To | WDC | LOC | 3RG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR | 19.8

HOLE CONDITION
- HOLE DRAG: 3 UP 2 DOWN
- TORQUE AT BOTTOM: 0
- FILL ON BOTTOM (m): 0

MUD RECORD

MUD TYPE: GEL/CHEM — WATER BASED: X — OIL BASED:

TIME	200	430	730
DENSITY (kg/m3)	1110	1110	1110
FUNNEL VISCOSITY	39	40	55
FLUID LOSS (cm3)			
pH	9.5	9.5	9.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	8	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1110	1100	2300
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1110	1100	2300

BOILERS

	1		2
HRS RUN	8	HRS RUN	0
BOILER pH	11	BOILER pH	
STACK TEMP	500	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
3400	152	120		

REDUCED PUMP SPEED: 980 @ 68 @ 223

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
119.80	75	
147.79	75	
175.57	75	

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	DIR-C	RPM	WOB
92	223	D	225	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	7	RIG SERVICE (F/T ANNULAR CL 18 SEC OP 17 SEC)
15	30	0.25	21	SAFETY MEETING (MOUSE HOLE CONNECTIONS)
30	645	6.25	2	DRILL ACTUAL FROM 92m TO 223m
645	800	1.25	10	DEVIATION SURVEY(ACCUM)
800				
				BLEWDOWN BOILER 3 TIMES

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
TUGGER LINE AND HOOK,PIPE AND COLLAR SLIPS,AIR HORN
VISUALLY CHECKED DIVERTER LINE AND FLARE TANK

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
CONNECTIONS	22	0

MORNING TOUR	FROM 0	TO 800		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		DEAN PODOLSKI	8.00	DP
DERRICKHAND		NEIL HALFE	8.00	NH
MOTOR HAND		KIRK LYLYK	8.00	KL
FLOORHAND		VOYTO DURECH	8.00	VD
FLOORHAND		DARRELL IZZARD	8.00	DI

RATE SCHEDULE: X REGULAR — REPAIR — INVERT

CREW SAFETY DAYS — DRIVERS: DARRELL IZZARD

DAY TOUR — FROM 800 TO 2000

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D. 32	
1	BELL JAR	152	65
4	6" DC	152	36.09
1	X.O	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	26
	DP	STANDS	
7	DP	SINGLES	67.94
	KELLY DOWN		12.30
	TOTAL		329.55
	WT. OF D.C.	19	
	WT. OF STRING	20	

BIT RECORD

BIT NO	1		
SIZE	311		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	CH04JMRSV		
SERIAL NO	228982		
JETS	3X	14.3	
DEPTH OUT (m)			
DEPTH IN (m)	0		
TOTAL DRILLED (m)	329		
TOTAL HRS RUN	22.25		

CUTTING STRUCTURE: T1 | To | WDC | LOC | 3RG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR | 14.78

HOLE CONDITION
- HOLE DRAG: 1 UP 1 DOWN
- TORQUE AT BOTTOM: 0
- FILL ON BOTTOM (m): 0

MUD RECORD

MUD TYPE: gel/chem — WATER BASED: X — OIL BASED:

TIME	800	1200	1600
DENSITY (kg/m3)	1130	1140	1150
FUNNEL VISCOSITY	50	48	45
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	10	SX
SAWDUST	15	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
12	1130	1120	1580
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
12	1130	1120	1520

BOILERS

	1		2
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	580	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
4550	152	120		

REDUCED PUMP SPEED: 1050 @ 68 @ 329

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
204.03	1.25	
232.62	75	
261.17	50	
290.73	25	

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	DIR-C	RPM	WOB
223	329	D	225	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE (F/T DIVRETER ANNULAR CL 18 SEC / OP 17 SEC)
815	830	0.25	21	SAFETY MEETING (JOB SITE OPERATION)
830	1930	11.00	2	DRILL ACTUAL FROM 223m TO 329m
1930	2000	0.50	10	DEVIATION SURVEY (ACCUM)
2000				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGE,PINS,TONGS AND TONGS LINES
AIR HORN DIVERTER LINE AND FLARE TANK
RIG AND ACCUMULATOR HYD LVL

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
	21	0

DAY TOUR	FROM 800	TO 2000		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		MAGELLA MAINGUY	12.00	MM
DERRICKHAND		ADAM OAKE	12.00	AO
MOTORHAND		JASON BICKERT	12.00	JB
FLOORHAND		CHRIS LEONARD	12.00	CL
FLOORHAND		CAMERON MACKAY	12.00	CM
RIG MANAGER		TYLER ELL	1.00	TE

RATE SCHEDULE: X REGULAR — REPAIR — INVERT

CREW SAFETY DAYS — DRIVERS: CAMERON MACKAY

EVENING TOUR — FROM 2000 TO 2400

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D. 32	
1	BELL JAR	152	65
4	6" DC	152	36.09
1	X.O	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	26
	DP	STANDS	
16	DP	SINGLES	97.18
	KELLY DOWN		12.30
	TOTAL		358.79
	WT. OF D.C.	19	
	WT. OF STRING	20	

BIT RECORD

BIT NO	1		
SIZE	311		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	CH04JMRSV		
SERIAL NO	228982		
JETS	3X	14.3	
DEPTH OUT (m)			
DEPTH IN (m)	0		
TOTAL DRILLED (m)	358		
TOTAL HRS RUN	24.5		

CUTTING STRUCTURE: T1 | To | WDC | LOC | 3RG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR | 14.6

HOLE CONDITION
- HOLE DRAG: 2 UP 1 DOWN
- TORQUE AT BOTTOM: 0
- FILL ON BOTTOM (m): 0

MUD RECORD

MUD TYPE: GEL/CHEM — WATER BASED: X — OIL BASED:

TIME	2000	2200	2400
DENSITY (kg/m3)	1170	1170	1180
FUNNEL VISCOSITY	47	47	48
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
HUMALITE	1	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1180	1160	1480
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1180	1160	1480

BOILERS

	1		2
HRS RUN	4	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	750	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
4850	152	120		

REDUCED PUMP SPEED: 1220 @ 68 @ 358

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
319.85	75	
349.04	75	

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	DIR-C	RPM	WOB
329	358	D	225	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T DIVERTER ANNULAR CL 20 SEC OP 21 SEC)
2015	2030	0.25	21	SAFETY MEETING (PICKING PIPE UP FROM V-DOOR)
2030	2245	2.25	2	DRILL ACTUAL FROM 329m TO 358m
2245	2400	1.25	10	DEVIATION SURVEY(ACCUM)
2400				
				BLEWDOWN BOILER 2 TIMES

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
ACCUM HYD. LEVEL AND CONTROLS,AIR HORN,PVT FOR PROPER ACCURACY

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
PICKING UP PIPE	32	0

EVENING TOUR	FROM 2000	TO 2400		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		DEAN PODOLSKI	4.00	DP
DERRICKHAND		NEIL HALFE	4.00	NH
MOTOR HAND		KIRK LYLYK	4.00	KL
FLOORHAND		VOYTO DURECH	4.00	VD
FLOORHAND		DARRELL IZZARD	4.00	DI

RATE SCHEDULE: X REGULAR — REPAIR — INVERT

CREW SAFETY DAYS — DRIVERS: DARRELL IZZARD

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	UNIQUE ID
60: 03:31.30 N 117:30:47.80 W	100/60 3 31.3 N–117 30 47.8 W
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
Neil Rundell	TYLER ELL

DAILY CHECKS

	DRILLER	TE
(1) Daily Walk Around Inspection	NR	TE
(2) Detailed Inspection - Weekly (Using Check List)	NR	TE
(3) H2S Signs Posted if Required	NR	TE
(4) Well Licence & Block Diagram Posted	NR	TE
(5) Flare Lines Staked	NR	TE
(6) BOP Drills Performed	NR	TE
(7) Visually Inspect BOPs, Flare Lines & Diverter Lines	NR	TE
(1) Rig Site Health & Safety Meeting (once/month)		TE
(2) CAODC Rig Safet Inspection Checklist (once/quarter)		TE
(3) Mast Inspection before Raising or Lowering		TE
(4) Crown Saver Checked		TE
(5) Motor Kills Checked		TE

YEAR	MONTH	DAY
2007	1	28

RIG NO: 129

FUEL @ 09:00 HRS

KIO	BOILER
17000	2400

WEATHER
TEMPERATURE: -30
CURRENT CONDITIONS: USUALLY WINDY, CHILL
WIND DIRECTION: S/W
ROAD CONDITION: ICE

LAST CASING TUBING OR LINER	OD (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	27	353.36	3.97	353
	139.7	127.3	20.83	IPSCO	J55	110	1469.48	3.97	1469.30

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	L.UNI O.D.	LYNE THREAD	NO of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

SPUD DATE	2007/01/26	TIME	16:15
RIG RELEASE		TIME	
WELL TYPE	VERT	RE-ENTRY	NO
OPERATOR'S AFE	07N710028		
KELLY BUSHING	33	DF FUEL	
CONTRACTOR'S JOB NUM	749		
TOUR SHEET SERIAL NUM	PREC129_20070128_1B		
VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2		

PASON DATAHUB

CODE NO	1 RESCUE & TIE DWN DOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 SIDE WORK	21 SAFETY MEETING	22	23	24	25	26	27	28	TOTALS
MORN		4.0				2.0	0.25			1.5											0.25								8.00
DAY		6.25	1.25			1.25	2.25	0.25		0.5											0.25								12.00
EVE						0.75	2.5	0.25				0.25									0.25								4.00
TOTAL		10.25	1.25			2.00	6.75	0.75		2.00		0.25									0.75								24.00

SHALE SHAKER(S)		RENTALS/SERVICES		MORN	DAY	EVE
NO. 1	TYPE BRANDT	TYPE IT38 LOADER				
SCREENS CHANGED	NEW? USED?	CREW VEHICLE				
TOP 180	TOP 89					
MIDDLE 180	MIDDLE					
BOTTOM 89	BOTTOM					

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	1	28

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	38

MORNING TOUR

NO.	DRILLING ASSEMBLY (AS ENTER HOLE)		LENGTH
1	BIT	O.D.	32
1	BELL JAR	152	65
4	6" DC	152	36.09
1	X.O	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.82
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O	102	26
	DP	STANDS	
13	DP	SINGLES	129.28
KELLY DOWN			12.30
TOTAL			387.89
WT. OF D.C.		18	
WT. OF STRING		22	

BIT RECORD

BIT NO	1
SIZE	311
IADC CODE	
MANUFACTURER	VAREL
TYPE	CH04JMRSV
SERIAL NO	228982
JETS	3X 14.3
DEPTH OUT (m)	
DEPTH IN (m)	0
TOTAL DRILLED (m)	387
TOTAL HRS RUN	28.5

CUTTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HRS: 13.5

HOLE CONDITION
HOLE DRAG: 3 UP 2 DOWN
TORQUE AT BOTTOM: 0
FILL ON BOTTOM (m): 0

MUD RECORD

MUD TYPE: GEL/CHEM | WATER BASED: X | OIL BASED:

TIME	200	400	600
DENSITY (kg/m3)	1170	1170	1170
FUNNEL VISCOSITY	47	50	50
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
HUMALITE	1	SX
GEL	7	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1170	1150	1600
8	1170	1150	1600

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	650	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
4980	152	120		

REDUCED PUMP SPEED: 1220 @ 68 @ 387

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
378.17	1.25	

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	DIR-C	RPM	WOB
358	387	D	225	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	7	RIG SERVICE (F/T ANNULAR CL 19 SEC OP 20 SEC)
15	30	0.25	21	SAFETY MEETING WORKING WITH STEAM
30	430	4.00	2	DRILL ACTUAL FROM 358m TO 387m
430	600	1.50	10	DEVIATION SURVEY (ACCUM)
600	800	2.00	6	TRIP FOR MUD RING AT 387m
800				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES AND PINS,TONGS AND LINES
VISUALLY CHECKED DIRVERTER LINES AND FLARE TANK
CHECKED GLYCOL LEVEL IN EATON TANK

SPECIAL EVENT		SAFETY TOPIC	MEN.	HRS.
TIME / DEPTH		WORKING WITH STEAM	32	0

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: DARRELL IZZARD

MORN FROM 0 TO 800				INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		DEAN PODOLSKI	8.00	DP
DERRICKHAND		NEIL HALFE	8.00	NH
MOTOR HAND		KIRK LYLYK	8.00	KL
FLOORHAND		VOYTO DURECH	8.00	VD
FLOORHAND		DARRELL IZZARD	8.00	DI

DAY TOUR

NO.	DRILLING ASSEMBLY (AS ENTER HOLE)		LENGTH
1	BIT	O.D.	32
1	BELL JAR	152	65
4	6" DC	152	36.09
1	X.O	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.82
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O	102	26
	DP	STANDS	
18	DP	SINGLES	174.94
KELLY DOWN			5.75
TOTAL			430.00
WT. OF D.C.		18	
WT. OF STRING		22	

BIT RECORD

BIT NO	1
SIZE	311
IADC CODE	
MANUFACTURER	VAREL
TYPE	CH04JMRSV
SERIAL NO	228982
JETS	3X 14.3
DEPTH OUT (m)	430
DEPTH IN (m)	0
TOTAL DRILLED (m)	430.00
TOTAL HRS RUN	34.75

CUTTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HRS: 12.37

HOLE CONDITION
HOLE DRAG: 2 UP 1 DOWN
TORQUE AT BOTTOM: 0
FILL ON BOTTOM (m): 0

MUD RECORD

MUD TYPE: GEL/CHEM | WATER BASED: X | OIL BASED:

TIME	1000	1400	2000
DENSITY (kg/m3)	1170	1170	1170
FUNNEL VISCOSITY	60	60	80
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
12	1170	1160	1680
12	1170	1160	1620

BOILERS

1		2	
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	580	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
6010	152	125		

REDUCED PUMP SPEED: 1290 @ 68 @ 387

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
407.07	1	
430	75	

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	DIR-C	RPM	WOB
302	387	R	100	2
387	430	D	2520	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE (F/T DIVERTER ANNULAR CL 19 SEC / OP 20 SEC)
815	830	0.25	21	SAFETY MEETING (TRIPPING)
830	1045	2.25	6	FINISH WIPER TRIPS
1045	1200	1.25	3	REAMING FROM 302m TO 387m
1200	1815	6.25	2	DRILL ACTUAL FROM 387m TO430m
1815	1930	1.25	5	CONDITION MUD & CIRCULATE
1930	2000	0.50	10	DEVIATION SURVEY (ACCUM)
2000				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGE PINS, TONGS AND TONGS LINES
DIVERTER LINES AND FLARE TANK, AIR HORN AND MOTOR KILL
RIG AND ACCUMULATOR HYD LVL

SPECIAL EVENT		SAFETY TOPIC	MEN.	HRS.
TIME / DEPTH		TRIPPINGS	25	0

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: CAMERON MACKAY

DAY TOUR FROM 800 TO 2000				INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		MAGELLA MAINGUY	12.00	MM
DERRICKHAND		ADAM OAKE	12.00	AO
MOTORHAND		JASON BICKERT	12.00	JB
FLOORHAND		CHRIS LEONARD	12.00	CL
FLOORHAND		CAMERON MACKAY	12.00	CM
RIG MANAGER		TYLER ELL	1.00 DAY	TE

EVENING TOUR

NO.	DRILLING ASSEMBLY (AS ENTER HOLE)		LENGTH
1	BIT	O.D.	32
1	BELL JAR	152	65
4	6" DC	152	36.09
1	X.O	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.82
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O	102	26
	DP	STANDS	
18	DP	SINGLES	174.94
KELLY DOWN			5.75
TOTAL			430.00
WT. OF D.C.		18	
WT. OF STRING		22	

BIT RECORD

BIT NO	1
SIZE	311
IADC CODE	
MANUFACTURER	VAREL
TYPE	CH04JMRSV
SERIAL NO	228982
JETS	3X 14.3
DEPTH OUT (m)	430
DEPTH IN (m)	0
TOTAL DRILLED (m)	430.00
TOTAL HRS RUN	34.75

CUTTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HRS:

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

MUD RECORD

MUD TYPE: GEL/CHEM | WATER BASED: X | OIL BASED:

TIME	2000	2200	2400
DENSITY (kg/m3)	1190	1190	1190
FUNNEL VISCOSITY	95	95	95
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GEL	6	SX
SAWDUST	20	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1190	1170	1680
4	1190	1170	1680

BOILERS

1		2	
HRS RUN	4	HRS RUN	0
BURN pH	11	BURN pH	
STACK TEMP	550	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
4630	152	100		

REDUCED PUMP SPEED: 1220 @ 68 @ 430

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	DIR-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T ANNULAR CL 20 SEC OP 18 SEC)
2015	2045	0.50	6	WIPER TRIP TO 280m
2045	2100	0.25	5	CIRC @ 280m WORK PIPE
2100	2130	0.50	6	RIH WITH DRILL PIPE TO 430m
2130	2200	0.50	5	CIRC AND WORK PIPE @ 430m
2200	2330	1.50	6	POOH TO RUN CASING
2330	2345	0.25	21	SAFETY MEETING WITH TONGHAND AND CREW
2345	2400	0.25	12	RIG UP TONG HAND
2400				
				BLEWDOWN BOILER 3 TIMES
				ELEVATOR INFO
				CERT # H-12908

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES AND PINS,TONGS AND LINES
ACCUM CONTROLS AND HYD LEVEL PIPE AND COLLAR SLIPS,AIR HORN

SPECIAL EVENT		SAFETY TOPIC	MEN.	HRS.
TIME / DEPTH		RUNNING CASING	32	0

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: DARRELL IZZARD

EVENING TOUR FROM 2000 TO 2400				INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		DEAN PODOLSKI	4.00	DP
DERRICKHAND		NEIL HALFE	4.00	NH
MOTOR HAND		KIRK LYLYK	4.00	KL
FLOORHAND		VOYTO DURECH	4.00	VD
FLOORHAND		DARRELL IZZARD	4.00	DI

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION	UNIQUE ID
60 : 03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
Neil Rundell	TYLER ELL

DAILY CHECKS

	OPER	K.W.
(1) Daily Walk Around Inspection	NR	TE
(2) Detailed Inspection - Weekly (Using Check List)	NR	TE
(3) H2S Signs Posted if Required	NR	TE
(4) Well License & Sour Diagram Posted		
(5) Flare Lines Staked	NR	TE
(6) BOP Drills Performed		
(7) Visually Inspect BOPs, Flare Lines & Degasser Lines	NR	TE
(1) Rig Site Health & Safety Meeting (once/week/month)		TE
(2) CAODC Rig Safet Inspection Checklist (once/quarter)		
(3) Mast Inspection before Raising or Lowering		TE
(4) Crown Saver Checked		
(5) Motor Kills Checked		

YEAR	MONTH	DAY
2007	1	29

RIG NO: 129

FUEL @ 05:00 HRS: RIG 13000; HOLE# 2000

WEATHER	
TEMPERATURE	-10
CURRENT CONDITIONS	LIGHT SNOWS
WIND DIRECTION	S W
ROAD CONDITION	ICE

LAST CASING TURNED OR LINER	O.D (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	27	353.36	3.97	

	O.D (mm)	MASS	GRADE	MINIMUM I.D	I.(N) O.D	TYPE THREAD	NO. of JOINTS
DC/DP SIZE							
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

MUD PUMPS	MAKE	MODEL	STROKE LENGTH
1	BPM/MP	EMSCO	229
2	F-800		

SPUD DATE	2007/01/26
TIME	16:15
RIG RELEASE	
TIME	
WELL TYPE	VERT
REENTRY	NO
OPERATOR'S AFE	07N710028
KELLY BUSHING	33
DP FUEL	
CONTRACTOR'S JOB NUM	749
TOUR SHEET SERIAL NUM	PREC129_20070129_1C
VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2

PASON DATAHUB

CODE NO	1 PRE-TOUR & TB JARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR HO	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P	15 TEST B.O.P	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN						1.0	0.25					6.5									0.25						8.00
DAY					2.75	8.0	0.25					0.5									0.5						12.00
EVE							0.25					3.5									0.25						4.00
TOTAL					2.75	9.00	0.75					10.50									1.00						24.00

SHALE SHAKER(S)	TYPE	TYPE	RENTALS/SERVICES	NO/RN	DAY	EVE
1	BRANDT	IT38 LOADER				
SCREENS CHANGED	YES	NEW USED	NEW CREW VEHICLE			
TOP	180	TOP	89			
MIDDLE	180	MIDDLE				
BOTTOM	89	BOTTOM				

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	1	29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NU	39

NO.	DRILLING ASSEMBLY (AS BELOW FOR TOUR)		LENGTH
1	BIT	O.D	32
1	BELL JAR	152	65
4	6" DC	152	36.09
1	X.O.	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	26
	DP	STANDS	
18	DP	SINGLES	174.94
KELLY DOWN			5.75
TOTAL			430.00
WT. OF D.C.	18		
WT. OF STRING	22		

BIT RECORD

BIT NO	1	
SIZE	311	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	CH04JMRSV	
SERIAL NO	228982	
JETS	3X	14 3
DEPTH OUT (m)	430	
DEPTH IN (m)	0	
TOTAL DRILLED (m)	430.00	
TOTAL HRS RUN	34.75	

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HOUR

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

MORNING TOUR — MUD RECORD

MUD TYPE: GEL/CHEM	WATER BASED X	OIL BASED	
TIME	200	400	600
DENSITY (kg/m3)	1190	1190	1190
FUNNEL VISCOSITY	95	120	120
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNI

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1190	1170	1600
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1190	1170	1600

BOILERS

	1		2
HRS RUN	8	HRS RUN	0
BOILER pH	11	BOILER pH	
STACK TEMP	600	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
890	152	110		

REDUCED PUMP SPEED: 120 @ 68 @ 65

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED: FROM | TO | D.R.C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	7	RIG SERVICE (F/T MANUAL HCR CL 20 SEC OP 15 SEC)
15	500	4.75	12	RUN CASING WITH TOTAL DEPTH POWER TONGS
500	515	0.25	21	SAFETY MEETING (LAYING OUT SURFACE CASING)
515	700	1.75	12	LAY OUT SURFACE CASING HIT BRIDGE @ 65m
700	800	1.00	6	RIH WITH BHA REAM OUT TIGHT SPOTS
800				
				HIT GRAVEL @ 65m WORK AND CIRC CASING DOWN
				UNSUCCESSFUL TO GET DOWN CASING
				LAY OUT 5 JOINTS OF SURFACE CASING

NOTES: CEACKED CROWN SAVER BRAKE TONGS AND LINES BRAKE LINKAGES AND PINS
THIRD PARTY ELEVATORS AIR HORN PVT FOR PROPER ACCURACY

SPECIAL EVENT			SAFETY TOPIC	MEN.	MAN/H
TIME / DEPTH			LAY OUT CASING	13	0

MORNING TOUR	FROM 0	TO 800		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		DEAN PODOLSKI	8.00	DP
DERRICKHAND		NEIL HALFE	8.00	NH
MOTOR HAND		KIRK LYLYK	8.00	KL
FLOORHAND		VOYTO DURECH	8.00	VD
FLOORHAND		DARRELL IZZARD	8.00	DI

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS | DRIVERS: DARRELL IZZARD

NO.	DRILLING ASSEMBLY (AS BELOW FOR TOUR)		LENGTH
1	BIT	O.D	32
1	BELL JAR	152	65
4	6" DC	152	36.09
1	X.O.	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	26
	DP	STANDS	
18	DP	SINGLES	174.94
KELLY DOWN			5.75
TOTAL			430.00
WT. OF D.C.	18		
WT. OF STRING	22		

BIT RECORD

BIT NO	1	
SIZE	311	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	CH04JMRSV	
SERIAL NO	228982	
JETS	3X	14 3
DEPTH OUT (m)	430	
DEPTH IN (m)	0	
TOTAL DRILLED (m)	430.00	
TOTAL HRS RUN	34.75	

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HOUR

HOLE CONDITION: HOLE DRAG 1 UP 1 DOWN; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

DAY TOUR — MUD RECORD

MUD TYPE: GEL/CHEM	WATER BASED X	OIL BASED	
TIME	1000	1400	1700
DENSITY (kg/m3)	1190	1190	1200
FUNNEL VISCOSITY	95	90	120
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNI
GEL | 8 | SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
12	1190	1180	1650
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
12	1190	1180	1680

BOILERS

	1		2
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	550	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
5120	152	115		

REDUCED PUMP SPEED: 1250 @ 68 @ 430

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED: FROM | TO | D.R.C | RPM | WOB
55 | 75 | R | 60 | 3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE (F/T DIVERTER ANNULAR CL 18 SEC / OP 19 SEC)
815	830	0.25	21	SAFETY MEETING (REAMING)
830	1130	3.00	6	RIH WITH BHA REAM TIGHT SPOTS
1130	1300	1.50	5	CONDITION MUD & CIRCULATE CLEAN HOLE
1300	1545	2.75	6	WIPPER TRIPS REAM TIGHT SPOT
1545	1700	1.25	5	CONDITION MUD & CIRCULATE AND WORK PIPE
1700	1715	0.25	21	SAFETY MEETING (TRIPPING)
1715	1930	2.25	6	POOH TO RUN CASING
1930	2000	0.50	12	RIG UP TONG HAND

NOTES: CHECKED CROWN SAVER BRAKE LINKAGE PINS TONGS AND TONGS LINES
DIVERTER LINES AND FLARE TANK ACCUMULATOR AND RIG HYD LVL

SPECIAL EVENT			SAFETY TOPIC	MEN.	MAN/H
TIME / DEPTH			TRIPPING	24	0

DAY TOUR	FROM 800	TO 2000		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		MAGELLA MAINGUY	8.00	MM
DERRICKHAND		ADAM OAKE	8.00	AO
MOTORHAND		JASON BICKERT	8.00	JB
FLOORHAND		CHRIS LEONARD	8.00	CL
FLOORHAND		CAMERON MACKAY	8.00	CM
RIG MANAGER		TYLER ELL	1.00	DAY / TE

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS | DRIVERS: CAMERON MACKAY

NO.	DRILLING ASSEMBLY (AS BELOW FOR TOUR)		LENGTH
1	BIT	O.D	32
1	BELL JAR	152	65
4	6" DC	152	36.09
1	X.O.	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	26
	DP	STANDS	
18	DP	SINGLES	174.94
KELLY DOWN			5.75
TOTAL			430.00
WT. OF D.C.	18		
WT. OF STRING	22		

BIT RECORD

BIT NO	1	
SIZE	311	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	CH04JMRSV	
SERIAL NO	228982	
JETS	3X	14 3
DEPTH OUT (m)	430	
DEPTH IN (m)	0	
TOTAL DRILLED (m)	430.00	
TOTAL HRS RUN	34.75	

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HOUR

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

EVENING TOUR — MUD RECORD

MUD TYPE: GEL/CHEM	WATER BASED X	OIL BASED	
TIME	2000	2200	2400
DENSITY (kg/m3)	1200	1200	1200
FUNNEL VISCOSITY	120	120	120
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNI

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1200	1190	1650
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1200	1190	1650

BOILERS

	1		2
HRS RUN	4	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	600	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
845	152	100		

REDUCED PUMP SPEED: 150 @ 68 @ 80

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED: FROM | TO | D.R.C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T MANUAL DIVERTER HCR CL 15 SEC OP 12 SEC)
2015	2230	2.25	12	RUN CASING WITH TOTAL DEPTH POWER TONGS
2230	2245	0.25	21	SAFETY MEETING LAYING OUT SURFACE CASING
2245	2400	1.25	12	LAY OUT CASING BOLDER @ 80m
2400				
				CASING BRIDGED OFF @ 80m BOLDERS
				BLEWDOWN BOILER 3 TIMES

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES AND PINS TONGS AND LINES
EATON BRAKE GUY COLLI LEVEL AIR HORN PVT FOR PROPER ACCURACY
TUGGER LINES AND HOOKS

SPECIAL EVENT			SAFETY TOPIC	MEN.	MAN/H
TIME / DEPTH			LAYING OUT CASING	10	0

EVENING TOUR	FROM 2000	TO 2400		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		DEAN PODOLSKI	8.00	DP
DERRICKHAND		NEIL HALFE	8.00	NH
MOTOR HAND		KIRK LYLYK	8.00	KL
FLOORHAND		VOYTO DURECH	8.00	VD
FLOORHAND		DARRELL IZZARD	8.00	DI

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS | DRIVERS: DARRELL IZZARD

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N–117 30 47.8 W

SIGNATURE OF OPERATORS REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
Neil Rundell	TYLER ELL

DAILY CHECKS

(1) Daily Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) H2S Signs Posted if Required
(4) Well Licence & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOPs, Flare Lines & Degasser Lines
(1) Rig Site Health & Safety Meeting (one/week/crew/crew)
(2) CAODC Rig Safet Inspection Checklist (one/month/crew)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	SGER	D.M.	TE
	NR		TE
	NR		TE
	NR		TE
	NR		TE
	NR		TE
			TE
			TE

YEAR	MONTH	DAY
2007	1	30

RIG NO: 129

FUEL @ 8:00 HRS

RIG	BOILER
18000	2300

WEATHER CHECKS	
TEMPERATURE	14
CURRENT CONDITIONS	WINDY
WIND DIRECTION	SW
ROAD CONDITION	ICE

LAST CASING TUBING OR LINER	O.D (mm)	WT (kg/m)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	NOMINAL I.D	I.D(N) O.D	TYPE THREAD	NO. of JOINTS
DC	152	122	STD	58	150	4"H90	4
DC	121	69.5		57	123	3"1/2 IF	16
DP	101	21.4	E	66	127	4"FH	154

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

	SPUD DATE	2007/01/26	TIME	16:15
	RIG RELEASE		TIME	
	WELL TYPE	VERT	RE-ENTRY	NO
	OPERATOR'S AFE	07N710028		
	KELLY BUSHING	33	DF FUEL	
	CONTRACTOR'S JOB NUM	749		
	TOUR SHEET SERIAL NUM	PREC129_20070130_1B		
	VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2		

PASON DATAHUB

CODE NO	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTALS
		RIG UP & 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.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	JIR WORK	SAFETY MEETING					
M	MORN			5.5			2.0	0.25														0.25					8.00
E	DAY					5.0	0.75	0.25					5.75									0.25					12.00
E	EVE												0.25	3.5								0.25					4.00
	TOTAL			5.50		5.00	2.75	0.50					6.00	3.50								0.75					24.00

SMALL SHALE(S)			RENTALS / SERVICES	MORN	DAY	EVE
NO.	TYPE BRANDT	TYPE	IT38 LOADER			
SCREENS CHANGED	NO	NEW USED	USED	CREW VEHICLE		
TOP	180	TOP	89			
MIDDLE	180	MIDDLE				
BOTTOM	89	BOTTOM				

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	1	30

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	40

MORNING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
BIT	O.D.	32
BELL JAR	165	65
6" DC	165	36.09
X.O	151	64
4 3/4 COLLAR	121	37.47
JAR	122	4.92
4 3/4 COLLAR	121	111.82
H.W.D.P	102	57.14
X.O	102	26
DP	STANDS	
18 DP	SINGLES	174.94
KELLY DOWN		5.75
TOTAL		430.00
WT. OF D.C.	18	
WT. OF STRING	22	

BIT RECORD

BIT NO	2A		
SIZE	311		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MX-1		
SERIAL NO	F81KT		
JETS	3X	12.7	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)			
TOTAL HRS RUN			

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HUR

HOLE CONDITION
HOLE DRAG: 1 UP 1 DOWN
TORQUE AT BOTTOM: 0
FILL ON BOTTOM (m): 0

MUD RECORD

MUD TYPE: GEL/CHEM — WATER BASED [X] OIL BASED [ ]

TIME	0200	0400	0600
DENSITY (kg/m3)	1200	1200	1200
FUNNEL VISCOSITY	140	145	145
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	6	SX
SAWDUST	5	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1200	1190	1640
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1200	1190	1650

BOILERS

	1		2
HRS RUN	8	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	580	STACK TEMP	

METRES DRILLED

FROM	TO	D.R.C	RPM	WOB
56	205	R	100	2

CIRCULATION PRESSURE kPa: PUMP NO. 1 UNER SIZE 152, SPM 120; PUMP NO. 2 UNER SIZE, SPM 3520

REDUCED PUMP SPEED: 1000 @ 68 @ 110

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	015	0.25	7	RIG SERVICE (F/T DIVERTER ANNULAR CL 18 SEC /OP 19 SEC)
015	030	0.25	21	SAFETY MEETING (OVER HEAD LOAD)
030	230	2.00	6	RIH REAM TIGHT SPOT
230	800	5.50	3	REAMING FROM 56m TO 143m 180m TO 205m
800				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES PINS TONGS AND TONGS LINES
AIR HORN DIVERTER LINE AND FLARE TANK

SPECIAL EVENT			SAFETY TOPIC	MEN.	MACP
TIME / DEPTH			OVER HEAD LOAD	22	0

MORNING TOUR	FROM	0	TO	800	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MAGELLA MAINGUY	8.00			MM
DERRICKHAND		ADAM OAKE	8.00			AO
MOTORHAND		JASON BICKERT	8.00			JB
FLOORHAND		CHRIS LEONARD	8.00			CL
FLOORHAND		CAMERON MACKAY	8.00			CM
RIG MANAGER		TYLER ELL	1.00	DAY		TE

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS — DRIVERS: CAMERON MACKAY

DAY TOUR

DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
BIT	O.D.	32
BELL JAR	165	65
6" DC	165	36.09
X.O	151	64
4 3/4 COLLAR	121	37.47
JAR	122	4.92
4 3/4 COLLAR	121	111.82
H.W.D.P	102	57.14
X.O	102	26
DP	STANDS	
18 DP	SINGLES	174.94
KELLY DOWN		5.75
TOTAL		430.00
WT. OF D.C.	18	
WT. OF STRING	22	

BIT RECORD

BIT NO	2A		
SIZE	311		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MX-1		
SERIAL NO	F81KT		
JETS	3X	12.7	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)			
TOTAL HRS RUN			

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HUR

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

MUD RECORD

MUD TYPE: GEL/CHEM — WATER BASED [X] OIL BASED [ ]

TIME	800	1100	1700
DENSITY (kg/m3)	1200	1200	1170
FUNNEL VISCOSITY	145	145	50
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
DESCO	1	SX
SAWDUST	8	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

	1		2
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	600	STACK TEMP	

METRES DRILLED

FROM	TO	D.R.C	RPM	WOB

CIRCULATION PRESSURE kPa: PUMP NO. 1 UNER SIZE, SPM 655; PUMP NO. 2 UNER SIZE 152, SPM 100

REDUCED PUMP SPEED: 100 @ 68 @ 430

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE (F/T DIVERTER ANNULAR CL 20 SEC OP 19 SEC)
815	900	0.75	6	POOH TO RUN CASING
900	915	0.25	21	SAFETY MEETING WITH TONG HAND AND CREW
915	1330	4.25	12	RUN CASING WITH TOTAL DEPTH POWER TONGS
1330	1830	5.00	5	CONDITION MUD & CIRCULATE
1830	2000	1.50	12	CEMENT WITH SANGEL
2000				RAN 32 JOINTS, 431.11 METERS, 219.1 MM 35.72 KG/M
				NEW IPSCO J55 SURFACE CASING, LANDED AT 430 MKB
				CEMENTED WITH 36.5 TONNES 0:1:0 CLASS G + 2% CALCIUM
				PLUG DOWN 20:14 JAN 30/07 WITH 8 M3 OF GOOD CEMENT RETURNS
				ANNULAS IS STATIC

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
ACCUM CONTROLE AND HYD LEVEL,AIR HORN

SPECIAL EVENT			SAFETY TOPIC	MEN.	MACP
TIME / DEPTH			RUNNING CASING	20	0

DAY TOUR	FROM	800	TO	2000	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		DEAN PODOLSKI	12.00			DP
DERRICKHAND		NEIL HALFE	12.00			NH
MOTOR HAND		KIRK LYLYK	12.00			KL
FLOORHAND		VOYTO DURECH	12.00			VD
FLOORHAND		DARRELL IZZARD	12.00			DI

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS — DRIVERS: DARRELL IZZARD

EVENING TOUR

DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
BIT	O.D.	32
BELL JAR	165	65
6" DC	165	36.09
X.O	151	64
4 3/4 COLLAR	121	37.47
JAR	122	4.92
4 3/4 COLLAR	121	111.82
H.W.D.P	102	57.14
X.O	102	26
DP	STANDS	
18 DP	SINGLES	174.94
KELLY DOWN		5.75
TOTAL		430.00
WT. OF D.C.	18	
WT. OF STRING	22	

BIT RECORD

BIT NO			
SIZE			
IADC CODE			
MANUFACTURER			
TYPE			
SERIAL NO			
JETS			
DEPTH OUT (m)			
DEPTH IN (m)			
TOTAL DRILLED (m)			
TOTAL HRS RUN			

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HUR

HOLE CONDITION
HOLE DRAG: 0
TORQUE AT BOTTOM: 0
FILL ON BOTTOM (m): 0

MUD RECORD

MUD TYPE: H20 — WATER BASED [X] OIL BASED [ ]

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4			

BOILERS

	1		2
HRS RUN	4	HRS RUN	0
BOILER pH	10.5	BOILER pH	
STACK TEMP	530	STACK TEMP	

METRES DRILLED

FROM	TO	D.R.C	RPM	WOB

CIRCULATION PRESSURE kPa: PUMP NO. 1 UNER SIZE, SPM 152; PUMP NO. 2 UNER SIZE, SPM

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	12	CEMENT WITH SANGEL (PLUG DOWN)
2015	2030	0.25	21	SAFETY MEETING (NIPPLE DOWN)
2030	2400	3.50	13	WAIT ON CEMENT (NIPPLE DOWN DIVERTER)
2400				

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, BOP SLINGS

SPECIAL EVENT			SAFETY TOPIC	MEN.	MACP
TIME / DEPTH			NIPPLE DOWN	19	0

EVENING TOUR	FROM	2000	TO	2400	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	4.00			RO
DERRICK HAND		PETER MATUSKA	4.00			PM
MOTORHAND		CHRIS HUNNEMAN	4.00			CH
FLOOR HAND		IVAN CINDRIC	4.00			IC
FLOORHAND		RANDAL ROCHAT	4.00			RR

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS — DRIVERS: RANDAL ROCHAT

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION	UNIQUE ID
60: 03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
Neil Rundell	TYLER ELL

DAILY CHECKS

	DR	S.M.
(1) Daily Walk Around Inspection	NR	TE
(2) Detailed Inspection - Weekly (Using Check List)	NR	TE
(3) H2S Signs Posted if Required	NR	TE
(4) Well Licence & 'Blue Diagram' Posted	NR	TE
(5) Flare Lines Staked	NR	TE
(6) BOP Drills Performed	NR	TE
(7) Visually Inspect BOPs, Flare Lines & Degasser Lines	NR	TE
(1) Rig Site Health & Safety Meeting (weekly/every tour)		TE
(2) CAODC Rig Safety Inspection Checklist (weekly/month)		TE
(3) Mast Inspection before Raising or Lowering		TE
(4) Crown Saver Checked		TE
(5) Motor Kills Checked		TE

YEAR	MONTH	DAY
2007	1	31

RIG NO: 129

FUEL @ 0:00 HRS	
RIG	BOILER
17100	1200

TEMPERATURE	
CURRENT CONDITIONS	WINDY
WIND DIRECTION	SW
ROAD CONDITION	ICE

LAST CASING TUBING OR LINER	O.D (mm)	WT (kg/m)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	I.D(N) O.D.	TYPE THREAD	NO of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

PUMP MAKE/TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPM/MP	EMSCO	229
F-800		

SPUD DATE	2007/01/28
TIME	16 15
RIG RELEASE	
TIME	
WELL TYPE	VERT
RE-ENTRY	NO
OPERATOR'S AFE	07N710028
KELLY BSHG	33
DP FUEL	
CONTRACTOR'S JOB NUM	749
TOUR SHEET SERIAL NUM	PREC129_20070131_1B
VENDOR SOFTWARE VERSION	EDR 3-24 ETS 2.2

PASON DATAHUB

CODE NO	1 RIGUP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B O P	15 TEST B O P	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 SR. WORK	21 SAFETY MEETING	22 KELLY	23	24	25	TOTALS
WORK													1.25	4.0							0.25	2.5				8.00
DAY							0.25		1.0					1.75	6.25						0.25	2.5				12.00
EVE		1.25			0.25	2.0															0.5					4.00
TOTAL		1.25			0.25	2.00	0.25		1.00				1.25	5.75	6.25						1.00	2.50	2.50			24.00

SHALE SHAKERS			RENTALS/SERVICES	MORN	DAY	EVE
NO	TYPE					
1	BRANDT	TYPE	IT38 LOADER			
SCREENS CHANGED		NEW/USED	CREW VEHICLE			
TOP 180		TOP 89				
MIDDLE 180		MIDDLE				
BOTTOM 89		BOTTOM				

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	1	31

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	41

NO.	DRILLING ASSEMBLY (AT ENTRY TIME)		LENGTH
1	BIT	O.D.	32
1	BRJ. JAR	152	65
4	6" DC	152	36.09
1	X.O	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O.	102	26
	DP	STANDS	
18	DP	SINGLES	174.94
KELLY DOWN			5.75
TOTAL			430.00
WT. OF D.C.	19		
WT. OF STRING	22		

BIT RECORD

BIT NO	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | TO | WEAR | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG	0
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MORNING TOUR

MUD TYPE: | WATER BASED ☐ | OIL BASED ☐

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CALCIUM NITRATE	18	SX
ALCAPAN 1130	4	SX
SODIUM BICARB	4	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	11	BOILER pH	
STACK TEMP	550	STACK TEMP	

CIRCULATION PRESSURE kPa: 152

PUMP NO. 1 UNDER SIZE	SPM	PUMP NO. 2 UNDER SIZE	SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	115	1.25	13	WAIT ON CEMENT PREP CELLAR FOR NIPPLE UP AND WELDER
115	130	0.25	21	SAFETY MEETING (NIPPLE UP)
130	400	2.50	22	CUT CASING AND WELD ON CASING BOWL
400	800	4.00	14	NIPPLE UP B O P
800				HAD TO DIG CELLAR DOWN 2 FEET

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, ACUM HYD LVL, BOP,S MANIFOLD CONFIG.

SPECIAL EVENT		SAFETY TOPIC	MEN.	MAOP
TIME / DEPTH		NIPPLE UP		0

MORNING TOUR	FROM 0	TO 800	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	8.00			RO
DERRICK HAND		PETER MATUSKA	8.00			PM
MOTORHAND		CHRIS HUNNEMAN	8.00			CH
FLOOR HAND		IVAN CINDRIC	8.00			IC
FLOORHAND		RANDAL ROCHAT	8.00			RR
RIG MANAGER		TYLER ELL	1.00	DAY		TE

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT
CREW SAFETY DAYS		DRIVERS: RANDAL ROCHAT				

NO.	DRILLING ASSEMBLY (AT ENTRY TIME)		LENGTH
1	BIT	O.D.	28
1	TORQUE SUB	156	2.80
4	6" DC	152	36.09
1	X.O	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	26
	DP	STANDS	
18	DP	SINGLES	
KELLY DOWN			
TOTAL			251.42
WT. OF D.C.	19		
WT. OF STRING	22		

BIT RECORD

BIT NO	3	
SIZE	200	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	MKS65	
SERIAL NO	2399B	
JETS	5X	11.1
	1X	10
DEPTH OUT (m)		
DEPTH IN (m)	430	
TOTAL DRILLED (m)		
TOTAL HRS RUN		

CUTTING STRUCTURE: TI | TO | WEAR | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

DAY TOUR

MUD TYPE: | WATER BASED ☐ | OIL BASED ☐

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	12	HRS RUN	0
BOILER pH	11	BOILER pH	
STACK TEMP	650	STACK TEMP	

CIRCULATION PRESSURE kPa: 152

PUMP NO. 1 UNDER SIZE	SPM	PUMP NO. 2 UNDER SIZE	SPM

REDUCED PUMP SPEED: @ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	945	1.75	14	NIPPLE UP B.O.P
945	1600	6.25	15	TEST B.O.P. WITH RAINBOW PRESSURE TESTERS
1600	1615	0.25	21	SAFETY MEETING SLIP AND CUT
1615	1715	1.00	9	CUT OFF DRILLING LINE 10 20m)
1715	1730	0.25	7	RIG SERVICE DRAWWORKS
1730	2000	2.50	23	CHANGE OUT KELLY BAR
				PRESSURE TESTED MANIFOLD VALVES 1-11,CHOKES,ALL FLANGES,CSG BOWL,AND VALVE
				HCR AND MANUAL VALVE,BLIND RAMS,KILL LINE AND CHECK VALVE,DRILLING SPOOLS
				STABBING VALVE AND INSIDE BOP,PIPE RAMS,ALL TO 1500 KPA LOW 14000 HIGH
				ANNULAR WAS TESTED 1500 KPA LOW 10500 KPA HIGH 15 MIN FOR EACH TEST
				ACCUM RATING 21000KPA,PRE CHARGE 7000KPA,3 FUNCTION TEST START PRESSURE
				20500KPA REAMING PRESSURE 13000KPA RECHARGE TO 20500KPA IN 1 MIN 20 SEC
				N2 BACK UP BOTTOL #1 14700KPA #2 13300KPA FUNCTION MOTOR KILLS ALL OK

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
BOP SLINGS PIPE AND COLLAR SLIPS,TUGGER LINES AND HOOKS,AIR HORN

SPECIAL EVENT		SAFETY TOPIC	MEN.	MAOP
TIME / DEPTH		NIPPLE UP	0	0

DAY TOUR	FROM 800	TO 2000	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		DEAN PODOLSKI	12.00			DP
DERRICKHAND		NEIL HALFE	12.00			NH
MOTOR HAND		KIRK LYLYK	12.00			KL
FLOORHAND		VOYTO DURECH	12.00			VD
FLOORHAND		DARRELL IZZARD	12.00			DI

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT
CREW SAFETY DAYS		DRIVERS: DARRELL IZZARD				

NO.	DRILLING ASSEMBLY (AT ENTRY TIME)		LENGTH
1	BIT	O.D.	28
1	TORQUE SUB	156	2.80
4	6" DC	152	36.09
1	X.O	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	26
	DP	STANDS	
18	DP	SINGLES	174.94
KELLY DOWN			11.30
TOTAL			437.68
WT. OF D.C.	19		
WT. OF STRING	24		

BIT RECORD

BIT NO	3	
SIZE	200	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	MKS65	
SERIAL NO	2399B	
JETS	5X	11.1
	1X	10
DEPTH OUT (m)		
DEPTH IN (m)	430	
TOTAL DRILLED (m)	7	
TOTAL HRS RUN	1	

CUTTING STRUCTURE: TI | TO | WEAR | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HRS

HOLE CONDITION

HOLE DRAG	0
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

EVENING TOUR

MUD TYPE: FLOC | WATER BASED ☒ | OIL BASED ☐

TIME	2400
DENSITY (kg/m3)	1000
FUNNEL VISCOSITY	29
FLUID LOSS (cm3)	
pH	10.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1020	1000	1340

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1020	1000	1320

BOILERS

1		2	
HRS RUN	4	HRS RUN	0
BOILER pH	11.5	BOILER pH	
STACK TEMP	520	STACK TEMP	

CIRCULATION PRESSURE kPa: 3069

PUMP NO. 1 UNDER SIZE	SPM	PUMP NO. 2 UNDER SIZE	SPM
140	120		

REDUCED PUMP SPEED: 805 @ 68 | @ 416

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
430	437	D	80	2.5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2200	2.00	6	RIH WITH BHA TO 416M NO F/C CASED & CEMENTED HOLE
2200	2230	0.50	21	SAFETY MEETING BOP DRILL OP HCR 2 SEC CL ANNULAR 12 SEC 120 SEC TO SECURE WELL
2230	2345	1.25	2	DRILL ACTUAL TAGED CEMENT @ 416M DRILL FROM 430M TO 437M
2345	2400	0.25	5	CIRCULATE TO PERFORM LEAK OFF TEST
2400				
				BOP DRILL, EVACUATION DRILL WITH MUSTER AREAS WAS CONDUCTED AND TALKED ABOUT
				KICK WARNING SIGNS, EMERGENCY MOTOR KILLS, ROTORY SHUT OFFS

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINES, MANIFOLD CONFIG., BOPS
REMOTE CHOKE, ACCUM HYD LVL

SPECIAL EVENT		SAFETY TOPIC	MEN.	MAOP
TIME / DEPTH		BOP DRILL	24	

EVENING TOUR	FROM 2000	TO 2400	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	4.00			RO
DERRICK HAND		PETER MATUSKA	4.00			PM
MOTORHAND		CHRIS HUNNEMAN	4.00			CH
FLOOR HAND		IVAN CINDRIC	4.00			IC
FLOORHAND		RANDAL ROCHAT	4.00			RR

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT
CREW SAFETY DAYS		DRIVERS: RANDAL ROCHAT				

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
Neil Rundell	TYLER ELL

DAILY CHECKS

	SPILL	
(1) Daily Walk Around Inspection	NR	TE
(2) Detailed Inspection - Weekly (Using Check List)	NR	TE
(3) H2S Signs Posted if Required	NR	TE
(4) Well Licence & Stick Diagram Posted	NR	TE
(5) Flare Lines Staked	NR	TE
(6) BOP Drills Performed	NR	TE
(7) Visually Inspect BOPs - Flare Lines & Dispersal Lines	NR	TE
(1) Rig Site Health & Safety Meeting (once/week/crew/mth)		TE
(2) CAODC Rig Safety Inspection Checklist (once/quarter/mth)		
(3) Mast Inspection before Raising or Lowering		TE
(4) Crown Saver Checked		TE
(5) Motor Kills Checked		TE

YEAR	MONTH	DAY
2007	2	1

RIG NO: 129

FUEL @ 07:00 HRS

RIG	BOILER
12000	2500

TEMPERATURE: 22

CURRENT CONDITIONS: WINDY

WIND DIRECTION: NUMTH

ROAD CONDITION: ICE

LAST CASING/TUBING OF LINER

OD (mm)	MIN ID (mm)	MASS (kg/m.)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KBTO CSG HEAD	SET AT (m)
219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	UNI. O.D.	TYPE THREAD	NU of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

HUMMER	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

SPUD DATE	2007/01/26	TIME	16 15
RIG RELEASE		TIME	
WELL TYPE	VERT	RE-ENTRY	NO
OPERATOR'S AFE	07N710028		
KELLY BUSHING	33	GR FUEL	
CONTRACTOR'S JOB NUM	749		
TOUR SHEET SERIAL NUM	PREC129_20070201_1C		
VENDOR SOFTWARE VERSION	EDR 3-24 ETS 2.2		

PASON DATAHUB

CODE: HC	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOTALS
	RIG-UP & TEAR DOWN	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.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	SR. WORK	SAFETY MEETING	L.C.M.			
MORN		6.5					0.25			0.25											0.25		0.75		8.00
DAY		7.5				1.0	0.25			0.25											0.25	2.75			12.00
EVE						3.5	0.25														0.25				4.00
TOTAL		14.00				4.50	0.75			0.50											0.75	2.75	0.75		24.00

RENTALS / SERVICES

NO	TYPE	TYPE	MORN	DAY	EVE
1	BERANDT	IT38 LOADER			
SCREENS CHANGED	NO	NEW USED	USED	CREW VEHICLE	

	TOP	MIDDLE	BOTTOM
	180	180	89

MORNING TOUR

NO.	DRILLING ASSEMBLY (AS BROKEN OUT)		LENGTH
1	BIT	O.D.	28
1	TORQUE SUB	165	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	.26
	DP STANDS		
38	DP SINGLES		368.35
	KELLY DOWN		11.30
	TOTAL		632.07
	WT. OF D.C.	19	
	WT. OF STRING	27	

BIT RECORD

BIT NO.	3
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS65
SERIAL NO.	2399B
JETS	5X 11.1
	1X 10
DEPTH OUT (m)	
DEPTH IN (m)	430
TOTAL DRILLED (m)	202
TOTAL HRS RUN	7.5

CUTTING STRUCTURE: TI | TO | WEAR | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR | 27

HOLE CONDITION

*HOLE DRAG	0
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MORNING TOUR — MUD RECORD

MUD TYPE: FLOC — WATER BASED [X] OIL BASED [ ]

TIME	200	400	600
DENSITY (kg/m3)	1000	1000	1000
FUNNEL VISCOSITY	29	29	29
FLUID LOSS (cm3)			
pH	9.5	9.5	9.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
ALCOMER 121	1	PAILS
SAWDUST	10	SX
CALCIUM NITRATE	6	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1020	1000	1340
8	1020	1000	1320

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	11.5	BOILER pH	
STACK TEMP	525	STACK TEMP	

CIRCULATION PRESSURE kPa: 3500

PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
140	120		

REDUCED PUMP SPEED: 1010 @ 68 @ 457

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
505	1	

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	DIR-C	RPM	WOB
437	632	D	110	6

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0045	0.75	23	LEAK OFF TEST (FORMATION FRAC @ 30 28 KPA)
0045	100	0.25	/	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
100	115	0.25	21	SAFETY MEETING (CONNECTIONS)
115	745	6.50	2	DRILL ACTUAL FROM 437M TO 632M
745	800	0.25	10	DEVIATION SURVEY (ACCUM)
800				

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, ACCUM HYD LVL
TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINES, MANIFOLD CONFIG, BOPS
AIR HORN.

SPECIAL EVENT			SAFETY TOPIC	MEN.	MAXP
TIME / DEPTH			MOUSEHOLE CONNECTION	28	8682

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	1

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NU	42

MORNING TOUR FROM 0 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	8.00			RO
DERRICK HAND		PETER MATUSKA	8.00			PM
MOTORHAND		CHRIS HUNNEMAN	8.00			CH
FLOOR HAND		IVAN CINDRIC	8.00			IC
FLOORHAND		RANDAL ROCHAT	8.00			RR
RIG MANAGER		TYLER ELL	1.00	DAY		TE

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: RANDAL ROCHAT

DAY TOUR

NO.	DRILLING ASSEMBLY (AS BROKEN OUT)		LENGTH
1	BIT	O.D.	28
1	TORQUE SUB	165	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	.26
	DP STANDS		
48	DP SINGLES		486.36
	KELLY DOWN		11.30
	TOTAL		729.08
	WT. OF D.C.	19	
	WT. OF STRING	30	

BIT RECORD

BIT NO.	3
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS65
SERIAL NO.	2399B
JETS	5X 11.1
	1X 10
DEPTH OUT (m)	
DEPTH IN (m)	430
TOTAL DRILLED (m)	299
TOTAL HRS RUN	15

CUTTING STRUCTURE: TI | TO | WEAR | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR | 19.9

HOLE CONDITION

*HOLE DRAG	2 UP 1 DOWN
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

DAY TOUR — MUD RECORD

MUD TYPE: H20 — WATER BASED [X] OIL BASED [ ]

TIME	900	1200
DENSITY (kg/m3)	1000	1000
FUNNEL VISCOSITY	29	28
FLUID LOSS (cm3)		
pH	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
SAWDUST	60	SX
POLY-SEAL	40	SX
KELZAN	3	SX
GEL	3	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
12			
12			

BOILERS

1		2	
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	680	STACK TEMP	

CIRCULATION PRESSURE kPa: 2800

PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
140	100		

REDUCED PUMP SPEED: 980 @ 68 @ 690

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
641.83	1.25	

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	DIR-C	RPM	WOB
632	729	D	100	6

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	/	RIG SERVICE (F/T ANNULAR CL 13 SEC OP 12 SEC)
815	830	0.25	21	SAFETY MEETING (BOP DRILL WITH CREW ON TOWER)
830	1415	5.75	2	DRILL ACTUAL (632m TO 690m)
1415	1630	2.25	22	MIX L C M PILL AND DRILL AHEAD WITH PARTIAL RETURNS
1630	1815	1.75	2	DRILL ACTUAL FROM 690M TO 729m)
1815	1830	0.25	10	DEVIATION SURVEY (ACCUM)
1830	1900	0.50	22	MIX L C M PILL AND DISPLACE IN HOLE
1900	2000	1.00	6	POOH TO CEMENT OFF LOSS CIRC. ZONE
2000				FLOW CHECK @ 729m,693m,430m,0m

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
ACCUM CONTROLS AND HYD LEVEL,AIR HORN,PVT FOR PROPER ACCURACY
PIPE SUPS,SIDPP GUAGE

SPECIAL EVENT			SAFETY TOPIC	MEN.	MAXP
TIME / DEPTH			BOP DRILL	35	8802

DRILLING CREW PAYROLL DATA

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: DARRELL IZZARD

EVENING TOUR

NO.	DRILLING ASSEMBLY (AS BROKEN OUT)		LENGTH
1	BIT	O.D.	28
1	TORQUE SUB	165	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	.26
	DP STANDS		
48	DP SINGLES		486.36
	KELLY DOWN		11.30
	TOTAL		729.08
	WT. OF D.C.	19	
	WT. OF STRING	30	

BIT RECORD

BIT NO.	3
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS65
SERIAL NO.	2399B
JETS	5X 11.1
	1X 10
DEPTH OUT (m)	
DEPTH IN (m)	430
TOTAL DRILLED (m)	299
TOTAL HRS RUN	15

CUTTING STRUCTURE: TI | TO | WEAR | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

*HOLE DRAG	0
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

EVENING TOUR — MUD RECORD

MUD TYPE: FLOC — WATER BASED [X] OIL BASED [ ]

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
POLY-SEAL	10	SX
SAWDUST	10	SX
GEL	13	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
0			

BOILERS

1		2	
HRS RUN	4	HRS RUN	0
BOILER pH	11.5	BOILER pH	
STACK TEMP	525	STACK TEMP	

CIRCULATION PRESSURE kPa: 2800

PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
140	100		

REDUCED PUMP SPEED: 980 @ 68 @ 680

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	DIR-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2130	1.50	6	POOH F/C @ 430M, OM
2130	2145	0.25	21	SAFETY MEETING (RIH OPEN ENDED)
2145	2200	0.25	7	RIG SERVICE (F/T BLIND RAM CL 2 SEC OP 2 SEC WHILE OUT OF HOLE)
2200	2400	2.00	6	RIH OPEN ENDED TO RUN CEMENT PLUG, F/C @ 430M, 729M.
2400				PICKED UP 27 JOINTS OF PIPE TO TAG BOTTOM

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, ACCUM HYD LVL, MANIFOLD CONFIG AND REMOTE CHOKE
FLARE AND DEGASSER LINES, DP AND COLLAR SLIPS, ELEVATORS.

SPECIAL EVENT			SAFETY TOPIC	MEN.	MAXP
TIME / DEPTH			RIH OPEN ENDED	29	8802

DRILLING CREW PAYROLL DATA

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: RANDAL ROCHAT

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
Neil Rundell	TYLER ELL

DAILY CHECKS

	DRILLER	T.M.
(1) Daily Walk Around Inspection	NR	TE
(2) Detailed Inspection - Weekly (Using Check List)		
(3) PCB Signs Posted If Required	NR	TE
(4) Weld Licence & Stick Diagram Posted	NR	TE
(5) Flare Lines Staked	NR	TE
(6) BOP Drills Performed		
(7) Visually Inspect BOPs, Flare Lines & Degasser Lines	NR	TE
(1) Rig Site Health & Safety Meeting (one/crew/month)		TE
(2) CAODC Rig Safet Inspection Checklist (one/rig/month)		TE
(3) Mast Inspection before Raising or Lowering		
(4) Crown Saver Checked		TE
(5) Motor Kills Checked		

YEAR	MONTH	DAY
2007	2	2

RIG NO: 129

FUEL (E-DIESEL)	
RIG	BOILER
9700	1800

WEATHER
TEMPERATURE: -22
CURRENT CONDITIONS: WINTY
WIND DIRECTION: NORTH
ROAD CONDITION: ICE

LAST CASING, TUBING OR LINER

	O.D. (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
DC/DP	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	UNI O.D.	TYPE THREAD	NO of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

	MUD PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
MUD PUMPS	BPM/MP	EMSCO	229
	F-800		

SPUD DATE	2007/01/26
TIME	18:15
RIG RELEASE	
TIME	
WELL TYPE	VERT
RE-ENTRY	NO
OPERATOR'S RIG	07N710028
KELLY BUSHING	33
DF FUEL	
CONTRACTOR'S JOB NUM	749
TOUR SHEET SERIAL NUM	PREC129_20070202_1B
VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2

PASON DATAHUB

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
	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.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR WORK	SAFETY MEETING		DRILL	MIX		
WORN					4.25	1.0						0.5									0.25	2.0				
DAY						4.5	0.25														0.25		6.0	1.0		
EVE						3.5	0.25														0.25					
TOTAL					4.25	9.00	0.50					0.50									0.75	2.00	6.00	1.00		

TOTALS
8.00
12.00
4.00
24.00

RENTALS / SERVICES

NO	TYPE / BRAND	TYPE	
1		IT38 LOADER	
SCREENS CHANGED	NO	NEW USED	USED
		CREW VEHICLE	
TOP	180	TOP	89
MIDDLE	180	MIDDLE	
BOTTOM	89	BOTTOM	

SHALE SHAKER(S)	MORN	DAY	EVE

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	2

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	43

NO	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH
1	BIT	O.D. 28
1	TORQUE SUB	155 2.80
4	6" DC	152 36.09
1	X.O.	151 .64
4	4 3/4 COLLAR	121 37.47
1	JAR	122 4.82
12	4 3/4 COLLAR	121 111.82
6	H.W.D.P.	102 57.14
1	X.O.	102 .26
	DP	STANDS
48	DP	SINGLES 466.36
	KELLY DOWN	11.30
	TOTAL	729.08
	WT. OF D.C.	19
	WT. OF STRING	30

MORNING TOUR

BIT RECORD

BIT NO	3
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS65
SERIAL NO	2399B
JETS	5X 11.1
	1X 10
DEPTH OUT (m)	
DEPTH IN (m)	430
TOTAL DRILLED (m)	299
TOTAL HRS RUN	15

CUTTING STRUCTURE: T1 | To | WEAR | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/hr

HOLE CONDITION

*HOLE DRAG	0
TORQUE AT BOTTOM	0
*FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: | WATER BASED ☐ | OIL BASED ☐

TIME	
DENSITY (kg/m3)	
FUNNEL VISCOSITY	
FLUID LOSS (cm3)	
pH	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1		2
HRS RUN	8	HRS RUN	0
BOILER pH	10	BOILER pH	
STACK TEMP	550	STACK TEMP	

CIRCULATION PRESSURE kPa: 378

PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
140	100		

REDUCED PUMP SPEED: 78 @ 68 @ 728

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	D.R.C.	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	200	2.00	22	WAIT ON CEMENTERS
200	315	1.25	5	CIRCULATE OUT LCM TILL LOSS CIRC, CEMENTED
315	330	0.25	21	SAFETY MEETING (WITH SANGEL)
330	400	0.50	12	CEMENT WITH SANGEL RUN PLUG # 1 FROM 729M TO 549M WITH NO RETURNS
400	430	0.50	6	POOH 10 STANDS THEN CIRC
430	730	3.00	5	CIRCULATE RECIEVED 100L OF CEMENT SLURRY BOTTOMS UP
730	800	0.50	6	TRIP (R)H TO TAG PLUG ,FC @ 538M AND ABOVE PLUG #1
800				

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, MANIFOLD CONFIG, BOPS FLARE AND DEGASSER LINES

SPECIAL EVENT		SAFETY TOPIC	MEN.	MACP
TIME / DEPTH		CEMENTING	22	8802

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
	RANDAL ROCHAT

MORNING TOUR FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	8.00			RO
DERRICK HAND		PETER MATUSKA	8.00			PM
MOTORHAND		CHRIS HUNNEMAN	8.00			CH
FLOOR HAND		IVAN CINDRIC	8.00			IC
FLOORHAND		RANDAL ROCHAT	8.00			RR
RIG MANAGER		TYLER ELL	1.00	DAY		TE

INJURIES

DAY TOUR

BIT RECORD

BIT NO	3
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS65
SERIAL NO	2399B
JETS	5X 11.1
	1X 10
DEPTH OUT (m)	
DEPTH IN (m)	430
TOTAL DRILLED (m)	299
TOTAL HRS RUN	15

CUTTING STRUCTURE: T1 | To | WEAR | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/hr

HOLE CONDITION

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

MUD RECORD

MUD TYPE: GEL-CHEM | WATER BASED X | OIL BASED ☐

TIME	1300	1500
DENSITY (kg/m3)	1000	1000
FUNNEL VISCOSITY	29	29
FLUID LOSS (cm3)		
pH	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
POLY-SEAL	14	SX
PRIMA SEAL M	14	SX
SAWDUST	14	SX
GEL	32	SX
SODA ASH	1	SX
CALCIUM NITRATE	4	SX
ALCAPAN 1130	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
12			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
12			

BOILERS

	1		2
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	650	STACK TEMP	

CIRCULATION PRESSURE kPa: 450

PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
140	100		

REDUCED PUMP SPEED: 82 @ 68 @ 534

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	D.R.C.	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
815	830	0.25	6	RIH WITH DRILL PIPE AND TOUCH TOP OP CEMENT PLUG @ 593M
830	1000	1.50	6	RACK BACK 11 STANDS LAY OUT SINGLES ON TO RACKS
1000	1015	0.25	21	SAFETY MEETING (TRIPPING PIPE AND BHA INTO HOLE)
1015	1300	2.75	6	RIH WITH BHA AND DRILL PIPE To 593m
1300	1430	1.50	23	DRILL OUT CEMENT PLUG @ 593m
1430	1530	1.00	24	MIX L C M PLUG AND DISPLACE INTO HOLE
1530	2000	4.50	23	DRILL AHEAD FROM 618m WITH (L C M)
2000				PLACE LOSS CIRC PLUG, 6 TONNES, 7 M3 OF RAS II + 1% QSR
				CEMENT SLURRY FROM 593 M TO 729 M

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
AIR HORN,PVT FOR PROPER ACCURACY,ACCUM CONTROLS AND HYD. LEVEL
VISUALLY CHECKED FLARE AND DEGASSER LINES AND MANIFOLD SET UP

SPECIAL EVENT		SAFETY TOPIC	MEN.	MACP
TIME / DEPTH		TRIPPING		

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
	DARRELL IZZARD

DAY TOUR FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		DEAN PODOLSKI	12.00			DP
DERRICKHAND		NEIL HALFE	12.00			NH
MOTOR HAND		KIRK LYLYK	12.00			KL
FLOORHAND		VOYTO DURECH	12.00			VD
FLOORHAND		DARRELL IZZARD	12.00			DI

INJURIES

EVENING TOUR

BIT RECORD

BIT NO	3
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS65
SERIAL NO	2399B
JETS	5X 11.1
	1X 10
DEPTH OUT (m)	
DEPTH IN (m)	430
TOTAL DRILLED (m)	299
TOTAL HRS RUN	15

CUTTING STRUCTURE: T1 | To | WEAR | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/hr

HOLE CONDITION

*HOLE DRAG	0
TORQUE AT BOTTOM	0
*FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: H20 | WATER BASED X | OIL BASED ☐

TIME	2000	2200	2400
DENSITY (kg/m3)	1000	1000	1000
FUNNEL VISCOSITY	29	29	29
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1		2
HRS RUN	4	HRS RUN	0
BOILER pH	11	BOILER pH	
STACK TEMP	525	STACK TEMP	

CIRCULATION PRESSURE kPa: 3302

PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
140	105		

REDUCED PUMP SPEED: 1290 @ 68 @ 719

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	D.R.C.	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	SAFETY MEETING (TRIPPING)
2015	2215	2.00	6	POOH TO RUN # 2 CEMENT PLUG F/C @ 729M, 693M, 430M, 0.
2215	2230	0.25	7	RIG SERVICE (F/T BLIND RAMS CL 2 SEC OP 2 SEC)
2230	2400	1.50	6	RIH OPEN ENDED, JUST PIPE F/C 430M, 729M.
2400				

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
FLARE AND DEGASSER LINES MANIFOLD CONFIG, BOPS COLLAR AND DP SLIPS, ELEVATORS

SPECIAL EVENT		SAFETY TOPIC	MEN.	MACP
TIME / DEPTH		TRIPPING	32	8802

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
	RANDAL ROCHAT

EVENING TOUR FROM 2000 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	4.00			RO
DERRICK HAND		PETER MATUSKA	4.00			PM
MOTORHAND		CHRIS HUNNEMAN	4.00			CH
FLOOR HAND		IVAN CINDRIC	4.00			IC
FLOORHAND		RANDAL ROCHAT	4.00			RR

INJURIES

LICENCE NO	WELL NAME & NO
11 59	Para Et Al Cameron J-04

OPERATOR: PARAMOUNT RESOURCES LTD.

CONTRACTOR NAME: PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION: 60 - 03:31.30 N 117:30:47.80 W

UNIQUE ID: 100/60 3 31.3 N–117 30 47.8 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Neil Rundell

SIGNATURE OF CONTRACTOR'S RIG MANAGER: TYLER ELL

DAILY CHECKS

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

(1) Rig Site Health & Safety Meeting (once/week/month)
(2) CAODC Rig Safet Inspection Checklist (once/month)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

DRILL/CM			
NR	TE		
NR	TE		
NR	TE		
NR	TE		
NR	TE		
	TE		
	TE		

YEAR	MONTH	DAY
2007	2	3

RIG NO	BOILER
129	

FUEL @ 12:00 HRS

RIG	BOILER
6000	2000

TEMPERATURE	-26
CURRENT CONDITIONS	WCALM
WIND DIRECTION	NOKTH
ROAD CONDITION	ICE

LAST CASING TUBING OR LINER	OD (mm)	MIN ID (mm)	MASS (kg/m.s)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KBTO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	OD DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	I.JNI. OD	UTHE THREAD	NO. of JOINTS
KELLY DRIVE	DC	152	122	STD	58	150	4" H90	4
	DC	121	69.5		57	123	3" 1/2 IF	16
	DP	101	21.4	E	66	127	4" FH	154

SPUD DATE	2007/01/26
TIME	16 15
RIG RELEASE	
TIME	
WELL TYPE	VERT
RE-ENTRY	NO
OPERATOR'S AFE	07N710028
KELLY BUSHING	33
GR FUEL	
CONTRACTOR'S JOB NUM	749
TOUR SHEET SERIAL NUM	PREC129_20070203_1C
VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2

PASON DATAHUB

CODE NO.	1 RIGUP & TE ARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILL STEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 JIR WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN					5.75	1.5	0.25					0.25									0.25	DRILL					8.00
DAY						3.5	0.25														0.25	7.0	1.0				12.00
EVE		0.75			0.25	2.0	0.25														0.25	0.5					4.00
TOTAL		0.75			6.00	7.00	0.75					0.25									0.75	7.50	1.00				24.00

SHALE SHAKER(S)			PHYSICALS / SERVICES			MORN	DAY	EVE
NO. 1	TYPE BRANDT	TYPE	IT38 LOADER					
SCREENS CHANGED	NO	NEW USED	USED	CREW VEHICLE				
TOP 180	TOP 89							
MIDDLE 180	MIDDLE							
BOTTOM 89	BOTTOM							

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	3

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	44

MORNING TOUR (FROM 0 TO 800)

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	8.00			RO
DERRICK HAND		PETER MATUSKA	8.00			PM
MOTORHAND		CHRIS HUNNEMAN	8.00			CH
FLOOR HAND		IVAN CINDRIC	8.00			IC
FLOORHAND		RANDAL ROCHAT	8.00			RR
RIG MANAGER		TYLER ELL	1.00	DAY		TE

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT
CREW SAFETY DAYS		DRIVERS: RANDAL ROCHAT				

DAY TOUR (FROM 800 TO 2000)

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		DEAN PODOLSKI	12.00			DP
DERRICKHAND		NEIL HALFE	12.00			NH
MOTOR HAND		KIRK LYLYK	12.00			KL
FLOORHAND		VOYTO DURECH	12.00			VD
FLOORHAND		DARRELL IZZARD	12.00			DI

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT
CREW SAFETY DAYS		DRIVERS				

EVENING TOUR (FROM 2000 TO 2400)

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	4.00			RO
DERRICK HAND		PETER MATUSKA	4.00			PM
MOTORHAND		CHRIS HUNNEMAN	4.00			CH
FLOOR HAND		IVAN CINDRIC	4.00			IC
FLOORHAND		RANDAL ROCHAT	4.00			RR

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT
CREW SAFETY DAYS		DRIVERS				

MORNING TOUR

DRILLING ASSEMBLY (AT ENTRY POINT)			LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	1bb	2.80
4	6" DC	1bx	36.09
1	X.O	1b1	.64
4	4 3/4 C.COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 C.COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	1bx	.26
	DP	STANDS	
48	D.P.	SINGLES	466.36
KELLY DOWN			11.30
TOTAL			729.08
WT. OF D.C.		19	
WT. OF STRING		30	

BIT RECORD

BIT NO.	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NU.	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	299		
TOTAL HRS RUN	15		

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HRS

HOLE CONDITION: HOLE DRAG 0; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE: H2O	WATER BASED: X	OIL BASED:	
TIME	200	400	600
DENSITY (kg/m3)	1010	1010	1010
FUNNEL VISCOSITY	30	30	30
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNI
SAWDUST | 10 | SX
SODIUM BICARB | 1 | SX

SOLIDS CONTROL: CENTRIFUGE — HOURS RUN 0; INTAKE DENSITY (kg/m3); OVER FLOW DENSITY; UNDER FLOW DENSITY

BOILERS: 1 — HRS RUN 8, BOILER pH 12, STACK TEMP 525; 2 — HRS RUN 0, BOILER pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
1800	140	110		

REDUCED PUMP SPEED: 268 @ 68 @ 728

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED: FROM | TO | DR-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0015	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
0015	315	3.00	5	CIRCULATE OUT LCM WITH WATER
315	330	0.25	21	SAFETY MEETING (WITH SANJEL HANDS)
330	345	0.25	12	CEMENT WITH SANJEL PLUG # 2
345	415	0.50	6	POOH 13 STANDS INTO STICK
415	700	2.75	5	CIRCULATE BOTTOMS UP HAD NO CEMENT RETURNS
700	730	0.50	6	RIH TO FEEL PLUG TAGGED @ 572 M
730	800	0.50	6	POOH LAY DOWN DP PICK UP BHA
800				

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
FLARE AND DEGASSER LINES, TUGGER LINES AND HOOKS, MANIFOLD CONFIG, BOPS
ACCUM HYD LVL, SUPS, ELEVATORS, SAFETY CABLES

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	HAUR
CEMENTING	24	8802

DAY TOUR

DRILLING ASSEMBLY (AT ENTRY POINT)			LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	1bb	2.80
4	6" DC	1bx	36.09
1	X.O	1b1	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	.26
	DP	STANDS	
48	DP	SINGLES	466.36
KELLY DOWN			11.30
TOTAL			729.08
WT. OF D.C.		19	
WT. OF STRING		30	

BIT RECORD

BIT NO.	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NU.	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	299		
TOTAL HRS RUN	15		

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HRS

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

MUD RECORD

MUD TYPE: GEL-CHEM	WATER BASED: X	OIL BASED:	
TIME	800	1100	1400
DENSITY (kg/m3)	1000	1000	1000
FUNNEL VISCOSITY	29	29	29
FLUID LOSS (cm3)			
pH	11	11	11

MUD MATERIALS ADDED: HAUUUCI | AMOUNI | UNI

SOLIDS CONTROL: CENTRIFUGE — HOURS RUN 12; INTAKE DENSITY (kg/m3); OVER FLOW DENSITY; UNDER FLOW DENSITY

BOILERS: 1 — HRS RUN 12, BOILER pH 11, STACK TEMP 575; 2 — HRS RUN 0, BOILER pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
2900	140	100		

REDUCED PUMP SPEED: 960 @ 68 @ 720

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED: FROM | TO | DR-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	930	1.50	6	RACK BACK 9 STANDS LAY OUT SINGLES (F/C @ 543m 430m,0m)
930	945	0.25	21	SAFETY MEETING (TRIPPING PIPE)
945	1145	2.00	6	RIH WITH BHA (F/C @ 0M,430M,572M) TAGGED CEMENT @ 572m
1145	1200	0.25	7	RIG SERVICE (F/T ANNULAR CL 13 SEC OP 12 SEC)
1200	1815	6.25	23	DRILL OUT CEMENT FROM 572m 720m
1815	1915	1.00	24	MIX L C M MATERIAL FOR PLUG AND DISPLACE INTO HOLE @ 720m
1915	2000	0.75	23	DRILL CEMENT FROM 720m to 722M
2000				

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
REMOTE CHOKE CONTROL,ACCUM CONTROLS,AIR HORN,PVT FOR PROPER ACCURACY
TUGGER LINES AND HOOKS,PIPE AND COLLAR SLIPS

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	HAUR
TRIPPING	32	8802

EVENING TOUR

DRILLING ASSEMBLY (AT ENTRY POINT)			LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	1bb	2.80
4	6" DC	1bx	36.09
1	X.O	1b1	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	.26
	DP	STANDS	
51	DP	SINGLES	485.71
KELLY DOWN			11.30
TOTAL			756.43
WT. OF D.C.		18	
WT. OF STRING		32	

BIT RECORD

BIT NO.	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NU.	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	328		
TOTAL HRS RUN	15.75		

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HRS

HOLE CONDITION: HOLE DRAG 0; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE: H2O	WATER BASED: X	OIL BASED:	
TIME	1800	2200	2400
DENSITY (kg/m3)	1010	1010	
FUNNEL VISCOSITY	30	30	
FLUID LOSS (cm3)			
pH	9.5	9.5	

MUD MATERIALS ADDED: HAUUUCI | AMOUNI | UNI
GEL | 35 | SX
SAWDUST | 16 | SX
POLY-SEAL | 7 | SX
PRIMA SEAL C | 10 | SX

SOLIDS CONTROL: CENTRIFUGE — HOURS RUN 0; INTAKE DENSITY (kg/m3); OVER FLOW DENSITY; UNDER FLOW DENSITY

BOILERS: 1 — HRS RUN 4, BOILER pH 12, STACK TEMP 525; 2 — HRS RUN 0, BOILER pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	SPM	PUMP NO. 2 LINER SIZE	SPM
4990	140	120		

REDUCED PUMP SPEED: 2100 @ 68 @ 737

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED: FROM | TO | DR-C | RPM | WOB
729 | 747 | D | 110 | 6

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T PIPE PRAMS CL 2 SEC OP 2 SEC)
2015	2045	0.50	23	DRILL CEMENT FROM 722M TO 729M
2045	2130	0.75	2	DRILL ACTUAL FROM 729M TO 758M
2130	2145	0.25	5	CONDITION MUD & CIRCULATE
2145	2200	0.25	21	SAFETY MEETING (TRIPPING)
2200	2400	2.00	6	POOH TO RUN PLUG # 3 F/C @ 758M, 712M, 430M, 0M
2400				

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, MANIFOLD CONFIG, BOPS, FLARE AND DEGASSER LINES

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	HAUR
TRIPPING	34	8760

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR: PARAMOUNT RESOURCES LTD.

CONTRACTOR NAME: PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION: 60 : 03:31.30 N 117:30:47.80 W

UNIQUE ID: 100/60 3 31.3 N--117 30 47.8 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE: Neil Rundell

SIGNATURE OF CONTRACTOR'S RIG MANAGER: TYLER ELL

DAILY CHECKS

	CREW	H.M.
(1) Daily Walk Around Inspection	NR	TE
(2) Detailed Inspection - Weekly (Using Check List)	NR	TE
(3) H2S Signs Posted if Required	NR	TE
(4) Well Licence & Slot Diagram Posted	NR	TE
(5) Flare Lines Staked	NR	TE
(6) BOP Drills Performed	NR	TE
(7) Visually Inspect BOPs, Flare Lines & Degasser Lines	NR	TE
(1) Rig Site Health & Safety Meeting (once/month)		TE
(2) CAODC Rig Safety Inspection Checklist (once/month)		TE
(3) Mast Inspection before Raising or Lowering		TE
(4) Crown Saver Checked		TE
(5) Motor Kills Checked		TE

YEAR 2007 MONTH 2 DAY 4

RIG NO 129

ENSLAPP 05 00 HRS

RIG	ROGER
17700	2300

TEMPERATURE	26
CURRENT CONDITIONS	WCALM
WIND DIRECTION	NUKTH
ROAD CONDITION	ICE

LAST CASING TUBING OR LINER	O.D (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D	I.D/N O.D	TYPE THREAD	NO. of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

	SKID DATE	2007/01/26	TIME	16:15
	RIG RELEASE		TIME	
	WELL TYPE	VERT	REENTRY	NO
	OPERATOR'S AFE	07N710028		
	KELLY BUSHING	33	DF FUEL	
	CONTRACTOR'S JOB NUM	749		
	TOUR SHEET SERIAL NUM	PREC129_20070204_1C		
	VENDOR SOFTWARE VERSION	EDR 3-24 ETS 2.2		

CAODC

PASON DATAHUB

SCOUE NO	1 PRE-SPUD & TEARDOWN	2 SPUD ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN					3.25	2.75	0.25					1.25									0.5						8.00
DAY						2.25	0.25					1.75	4.25					3.25			0.25						12.00
EVE						2.0	0.25														0.25	0.5	1.0				4.00
TOTAL					3.25	7.00	0.75					3.00	4.25					3.25			1.00	0.50	1.00				24.00

NO	TYPE BRAND	TYPE	RENTALS/SERVICES	MORN	DAY	EVE
1			IT38 LOADER			
SCREENS CHANGED	NO	NEW USED	USED	CREW VEHICLE		
TOP	180	TOP	89			
MIDDLE	180	MIDDLE				
BOTTOM	89	BOTTOM				

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	4

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	45

MORNING TOUR (FROM 0 TO 800)

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		RYAN OXNER	8.00		RO
DERRICK HAND		PETER MATUSKA	8.00		PM
MOTORHAND		CHRIS HUNNEMAN	8.00		CH
FLOOR HAND		IVAN CINDRIC	8.00		IC
FLOORHAND		RANDAL ROCHAT	8.00		RR
RIG MANAGER		TYLER ELL	1.00	DAY	TE

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS — DRIVERS: RANDAL ROCHAT

DAY TOUR (FROM 800 TO 2000)

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		DEAN PODOLSKI	12.00		DP
DERRICKHAND		NEIL HALFE	12.00		NH
MOTOR HAND		KIRK LYLYK	12.00		KL
FLOORHAND		VOYTO DURECH	12.00		VD
FLOORHAND		DARRELL IZZARD	12.00		DI

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS — DRIVERS: DARRELL IZZARD

EVENING TOUR (FROM 2000 TO 2400)

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		RYAN OXNER	4.00		RO
DERRICK HAND		PETER MATUSKA	4.00		PM
MOTORHAND		CHRIS HUNNEMAN	4.00		CH
FLOOR HAND		IVAN CINDRIC	4.00		IC
FLOORHAND		RANDAL ROCHAT	4.00		RR

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS — DRIVERS: RANDAL ROCHAT

MORNING TOUR

NO	DRILLING ASSEMBLY (AT END OF RUN)	LENGTH
1	BIT	O.D. 28
1	TORQUE SUB	156 2.80
4	6" DC	152 36.09
1	X.O	151 .64
4	4 3/4 COLLAR	121 37.47
1	JAR	122 4.92
12	4 3/4 COLLAR	121 111.82
6	H.W.D.P	102 57.14
1	X.O	NU 26
	DP	STANDS
51	DP	SINGLES 495.71
	KELLY DOWN	11.30
	TOTAL	758.43
	WT. OF D.C	19
	WT. OF STRING	32

BIT RECORD

BIT NO	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NO	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	328		
TOTAL HRS RUN	15.75		

CUTTING STRUCTURE: TI | TO | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	0
TORQUE AT BOTTOM	0
TILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: H2O	WATER BASED	OIL BASED	
TIME	200	400	530
DENSITY (kg/m3)			1000
FUNNEL VISCOSITY			29
FLUID LOSS (cm3)			
pH			10.5

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0

BOILERS: 1 — HRS RUN 8; BOILER pH 12; STACK TEMP 525. 2 — HRS RUN 0; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
1380	140	95		

REDUCED PUMP SPEED: 548 @ 68 @ 457

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0015	0.25	7	RIG SERVICE (F/T BLIND RAMS CL 2 SEC OP 2 SEC)
0015	0030	0.25	21	SAFETY MEETING PICKING UP DP
0030	215	1.75	6	RIH OPEN ENDED WITH DP ONLY F/C @430M, 758M
215	530	3.25	5	CIRC OUT LCM BEFORE CEMENTING
530	545	0.25	21	SAFETY MEETING (WITH CEMENTERS)
545	700	1.25	12	CEMENT WITH SANJEL PLUG # 3
700	800	1.00	6	POOH 12 STANDS INTO DERRICK

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, MANIFOLD CONFIG, BOPS, FLARE AND DEGASSER LINES
REMOTE CHOKE, ACCUM HYD LVL

SPECIAL EVENT / TIME/DEPTH

SAFETY TOPIC	MEN.	MACP
CEMENTING	24	8802

DAY TOUR

NO	DRILLING ASSEMBLY (AT END OF RUN)	LENGTH
1	BIT	O.D. 28
1	TORQUE SUB	156 2.80
4	6" DC	152 36.09
1	X.O	151 .64
4	4 3/4 COLLAR	121 37.47
1	JAR	122 4.92
12	4 3/4 COLLAR	121 111.82
6	H.W.D.P	102 57.14
1	X.O	102 .28
	DP	STANDS
51	DP	SINGLES 495.71
	KELLY DOWN	11.30
	TOTAL	758.43
	WT. OF D.C	19
	WT. OF STRING	32

BIT RECORD

BIT NO	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NO	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	328		
TOTAL HRS RUN	15.75		

CUTTING STRUCTURE: TI | TO | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
TILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE: H2o	WATER BASED X	OIL BASED	
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT
SODIUM BICARB | 2 | SX

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0

BOILERS: 1 — HRS RUN 12; BOILER pH 12; STACK TEMP 650. 2 — HRS RUN 0; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
1380	140	95		

REDUCED PUMP SPEED: 548 @ 68 @ 457

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	18	SQUEEZE CEMENT @ 524m
815	1230	4.25	13	WAIT ON CEMENT
1230	1245	0.25	7	RIG SERVICE (F/T ANNULAR CL 13 SEC OP 13 SEC)
1245	1315	0.50	6	RIH TO FEEL PLUG @ 618m
1315	1330	0.25	21	SAFETY MEETING WITH SANJEL AND CREW
1330	1430	1.00	12	CEMENT PLUG #4 @ 616m
1430	1515	0.75	6	POOH AND RACK BACK 6 STANDS IN DERRICK TO 487m
1515	1600	0.75	12	CIRC BOTTOMS UP
1600	1900	3.00	18	SQUEEZE CEMENT AND HOLD PRESSURE
1900	2000	1.00	6	POOH RACK BACK 13 STANDS IN DERRICK LAY OUT SINGLES
2000				
				FIRE DRILL WITH DAY CREW AND CAMP EPLOYEES @630 PM
				VISUALY INSPECT DERRICK FROM CROWN TO BASE PINNING POINTS

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES AND PINS, TONGS AND LINES
AIR HORN PVT FOR PROPER ACCURACY SET UP BRAKES TUGGER LINE AND HOOK
SIDPP GUAGE MANIFOLD SET UP

SPECIAL EVENT / TIME/DEPTH

SAFETY TOPIC	MEN.	MACP
CEMENTING	22	8802

EVENING TOUR

NO	DRILLING ASSEMBLY (AT END OF RUN)	LENGTH
1	BIT	O.D. 28
1	TORQUE SUB	156 2.80
4	6" DC	152 36.09
1	X.O	151 .64
4	4 3/4 COLLAR	121 37.47
1	JAR	122 4.92
12	4 3/4 COLLAR	121 111.82
6	H.W.D.P	102 57.14
1	X.O	102 .28
	DP	STANDS
51	DP	SINGLES 495.71
	KELLY DOWN	11.30
	TOTAL	758.43
	WT. OF D.C	19
	WT. OF STRING	32

BIT RECORD

BIT NO	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NO	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	328		
TOTAL HRS RUN	15.75		

CUTTING STRUCTURE: TI | TO | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	0
TORQUE AT BOTTOM	0
TILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE	WATER BASED	OIL BASED	
TIME	2400		
DENSITY (kg/m3)	1000		
FUNNEL VISCOSITY	29		
FLUID LOSS (cm3)			
pH	10.5		

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNIT

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0

BOILERS: 1 — HRS RUN 4; MUDCH pH 12; STACK TEMP 525. 2 — HRS RUN 0; MUDCH pH; STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
2850	140	100		

REDUCED PUMP SPEED: 1300 @ 68 @ 563

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED: FROM | TO | D-R-C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2030	0.50	6	POOH LAY DOWN DP
2030	2045	0.25	7	RIG SERVICE (F/T BLIND RAMS CL 2 SEC OP 2 SEC)
2045	2100	0.25	21	SAFETY MEETING (RIH WITH BHA)
2100	2230	1.50	6	RIH WITH BHA TAG CEMENT @ 566M F/C @ 430M, 566M
2230	2330	1.00	24	CLEAN PUMP, SUCTION LINES OF SAND AND LCM DO TO RUNNING UNDER SHAKER
2330	2400	0.50	23	DRILL OUT CEMENT FROM 566M TO 573M
2400				

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PIN, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, COLLAR AND DP SLIPS, FLARE AND DEASSER LINES, BOPS
MANIFOLD CONFIG AND REMOTE CHOKE

SPECIAL EVENT / TIME/DEPTH

SAFETY TOPIC	MEN.	MACP
RIH WITH BHA	30	8802

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
Neil Rundell	TYLER ELL

DAILY CHECKS

	SFR	L.M.	
(1) Daily Walk Around Inspection	NR	TE	
(2) Detailed Inspection - Weekly (Using Check List)	NR	TE	
(3) H2S Signs Posted if Required	NR	TE	
(4) Well Licence & Stick Diagram Posted	NR	TE	
(5) Flare Lines Staked	NR	TE	
(6) BOP Drills Performed	NR	TE	
(7) Visually Inspect BOPs - Flare Lines & Degasser Lines	NR	TE	
(1) Rig Site Health & Safety Meeting (one/crew/month)		TE	
(2) CAODC Rig Safet Inspection Checklist (one/month)		TE	
(3) Mast Inspection before Raising or Lowering		TE	
(4) Crown Saver Checked		TE	
(5) Motor Kills Checked		TE	

YEAR	MONTH	DAY
2007	2	5

RIG NO	FUEL @ 00:00 HRS
129	
RIG	BOILER
15800	1200

WEATHER	
TEMPERATURE	-20
CHINOOK CONDITIONS	WCALM
WIND DIRECTION	NUKTH
ROAD CONDITION	ICE

LAST CASING TUBING OR LINER	OD (mm)	WT/FT (mm)	MASS (kg/m.ft)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	I.JNL O.D.	TYPE THREAD	NO. of JOINTS
DC	152	122	STD	58	150	4" H(90)	4
DC	121	69.5		57	123	3"-1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

SPUD DATE	2007/01/26	TIME	16:15
RIG RELEASE		TIME	
WELL TYPE	VERT	RE-ENTRY	NO
OPERATOR'S AFE	07N710028		
KELLY BUSHING	33	DF FUEL	
CONTRACTOR'S JOB NUM.	749		
TOUR SHEET SERIAL NUM.	PREC129_20070205_1B		
VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2		

PASON DATAHUB

CODE NO

	1 PEROUP & TE ARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 JR. WORK	21 SAFETY MEETING	22	23	24	25	26	27	TOTALS
MORN		1.25					0.25														0.5			6.0				8.00
DAY		7.25					0.25			0.75											0.25				3.5			12.00
EVE		3.5					0.25														0.25							4.00
TOTAL		12.00					0.75			0.75											1.00			6.00	3.50			24.00

CHANGE SHIFTERS		RENTALS/SERVICES	MORN	DAY	EVE
NO	TYPE	TYPE			
1	BRANDT	IT38 LOADER			
SCREENS CHANGED		NEW USED			
TOP 180	TOP 89	CREW VEHICLE			
MIDDLE 180	MIDDLE				
BOTTOM 89	BOTTOM				

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	5

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	46

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	8.00			RO
DERRICK HAND		PETER MATUSKA	8.00			PM
MOTORHAND		CHRIS HUNNEMAN	8.00			CH
FLOOR HAND		IVAN CINDRIC	8.00			IC
FLOORHAND		RANDAL ROCHAT	8.00			RR
RIG MANAGER		TYLER ELL	1.00	DAY		TE

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS: 602

DRIVERS: RANDAL ROCHAT

DAY TOUR — FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		DEAN PODOLSKI	8.00			DP
DERRICKHAND		NEIL HALFE	8.00			NH
MOTOR HAND		KIRK LYLYK	8.00			KL
FLOORHAND		VOYTO DURECH	8.00			VD
FLOORHAND		DARRELL IZZARD	8.00			DI

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS

DRIVERS: DARRELL IZZARD

EVENING TOUR — FROM 2000 TO 2400

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	8.00			RO
DERRICK HAND		PETER MATUSKA	8.00			PM
MOTORHAND		CHRIS HUNNEMAN	8.00			CH
FLOOR HAND		IVAN CINDRIC	8.00			IC
FLOORHAND		RANDAL ROCHAT	8.00			RR

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS

DRIVERS: RANDAL ROCHAT

MORNING TOUR

DRILLING ASSEMBLY (AS RUN FROM TOP)

NO.	BIT	O.D.	LENGTH
1	BIT		28
1	TORQUE SUB	155	2.80
4	6" DC	152	36.09
1	X.O.	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	.26
	DP STANDS		
54	DP SINGLES		524.86
KELLY DOWN			11.30
TOTAL			787.58
WT. OF D.C.	19		
WT. OF STRING	33		

BIT RECORD

BIT NO	3						
SIZE	200						
IADC CODE							
MANUFACTURER	VAREL						
TYPE	MKS65						
SERIAL NO	2399B						
JETS	5X	11.1					
	1X	10					
DEPTH OUT (m)							
DEPTH IN (m)	430						
TOTAL DRILLED (m)	357						
TOTAL HRS RUN	17						

CUTTING STRUCTURE

TI	TO	WDC	LOC	SRG	GAGE	ODC	REASON PULLED	TOTAL RUN RUNR
								21

HOLE CONDITION

*OLE DRAG	0
TORQUE AT BOTTOM	0
*ILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: FLOC	WATER BASED X	OIL BASED	
TIME	200	400	600
DENSITY (kg/m3)	1000	1000	1000
FUNNEL VISCOSITY	29	29	29
FLUID LOSS (cm3)			
pH	10.5	10.5	10.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1010	1000	1380
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1010	1000	1340

BOILERS

	1	2
HRS RUN	8	0
BOILER pH	12	
STACK TEMP	525	

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
758	787	D	110	6

CIRCULATION PRESSURE KPa: 3726

PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
140	110		

REDUCED PUMP SPEED: 1300 @ 68 @ 573

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
15	30	0.25	21	SAFETY MEETING (CONNECTION)
30	630	6.00	23	DRILL CEMENT OUT FROM 573M TO 758M
630	745	1.25	2	DRILL ACTUAL FROM 758M TO 787M
745	800	0.25	21	SAFETY MEETING(FIRE DRILL WITH NIGHT CREW)
800				
				HOLD ON SITE FIRE DRILL WITH GRAVEYARD CREW ON TOWER
				DRILLED OUT CEMENT TO 758M DID FLOW CHECK FLUID SAT
				STATIC IN ANNULAR DRILLED AHEAD

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINES, MANIFOLD CONFIG, BOPS
REMOTE CHOKE, ACCUM HYD LVL, DP SLIPS,

SPECIAL EVENT			SAFETY TOPIC	MEIL	MADE
TIME / DEPTH			CONNECTIONS	33	8802

DAY TOUR

DRILLING ASSEMBLY (AS RUN FROM TOP)

NO.	BIT	O.D.	LENGTH
1	BIT		28
1	TORQUE SUB	155	2.80
4	6" DC	152	36.09
1	X.O.	151	.54
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	.26
	DP STANDS		
64	DP SINGLES		622.11
KELLY DOWN			11.30
TOTAL			884.83
WT. OF D.C.	19		
WT. OF STRING	34		

BIT RECORD

BIT NO	3						
SIZE	200						
IADC CODE							
MANUFACTURER	VAREL						
TYPE	MKS65						
SERIAL NO	2399B						
JETS	5X	11.1					
	1X	10					
DEPTH OUT (m)							
DEPTH IN (m)	430						
TOTAL DRILLED (m)	454						
TOTAL HRS RUN	24.25						

CUTTING STRUCTURE

TI	TO	WDC	LOC	SRG	GAGE	ODC	REASON PULLED	TOTAL RUN RUNR
								19

HOLE CONDITION

*OLE DRAG	0
TORQUE AT BOTTOM	0
*ILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE:	WATER BASED	OIL BASED X	
TIME	700	2000	
DENSITY (kg/m3)	1000	1030	
FUNNEL VISCOSITY	29	50	
FLUID LOSS (cm3)			
pH	10	10	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CALCIUM NITRATE	4	SX
CAUSTIC	1	SX
POLY-SEAL	20	SX
GEL	40	SX
SODA ASH	2	SX
PRIMA SEAL M	20	SX
SAWDUST	30	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
12	1030	1020	1580
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
12	1030	1020	1620

BOILERS

	1	2
HRS RUN	12	0
BOILER pH	12	
STACK TEMP	850	

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
787	884	D	100	4

CIRCULATION PRESSURE KPa: 3780

PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
140	100		

REDUCED PUMP SPEED: 1360 @ 68 @ 894

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
787.55	1	

DRILLER SIGNATURE: DEAN PODOLSKI

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE (F/T ANNULAR CL 13 SEC OP 12 SEC)
815	830	0.25	21	SAFETY MEETING (CONNECTIONS)
830	1130	3.00	2	DRILL ACTUAL FROM 787m TO 846m
1130	1215	0.75	10	DEVIATION SURVEY (AQCCUM)
1215	1445	2.50	25	MIX L C M PLUG AND DISPLACE DOWN HOLE
1445	1900	4.25	2	DRILL ACTUAL FROM 846m TO 884M
1900	2000	1.00	25	MIX LCM PLUG AND DISPLACE DOWN HOLE
2000				

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
SIDPP GUAGE AIR HORN PVT FOR PROPER ACCURACY MANIFOLD SET UP.

SPECIAL EVENT			SAFETY TOPIC	MEIL	MADE
TIME / DEPTH			CONNECTIONS	34	8676

EVENING TOUR

DRILLING ASSEMBLY (AS RUN FROM TOP)

NO.	BIT	O.D.	LENGTH
1	BIT		28
1	TORQUE SUB	155	2.80
4	6" DC	152	35.09
1	X.O.	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	.26
	DP STANDS		
66	DP SINGLES		641.58
KELLY DOWN			11.30
TOTAL			904.31
WT. OF D.C.	19		
WT. OF STRING	34		

BIT RECORD

BIT NO	3						
SIZE	200						
IADC CODE							
MANUFACTURER	VAREL						
TYPE	MKS65						
SERIAL NO	2399B						
JETS	5X	11.1					
	1X	10					
DEPTH OUT (m)							
DEPTH IN (m)	430						
TOTAL DRILLED (m)	474						
TOTAL HRS RUN	27.75						

CUTTING STRUCTURE

TI	TO	WDC	LOC	SRG	GAGE	ODC	REASON PULLED	TOTAL RUN RUNR
								15

HOLE CONDITION

*OLE DRAG	0
TORQUE AT BOTTOM	0
*ILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: GEL/CHEMU	WATER BASED X	OIL BASED	
TIME	2100	2200	2400
DENSITY (kg/m3)			1040
FUNNEL VISCOSITY			50
FLUID LOSS (cm3)			
pH			10.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX
HUMALITE	1	SX
GEL	162	SX
POLY-SEAL	20	SX
PRIMA SEAL C	23	SX
SAWDUST	25	SX
SODA ASH	7	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4			

BOILERS

	1	2
HRS RUN	4	0
BOILER pH	12	
STACK TEMP	525	

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
883	904	D	100	6

CIRCULATION PRESSURE KPa: 3818

PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
140	100		

REDUCED PUMP SPEED: 1410 @ 68 @ 884

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
2015	2030	0.25	21	SAFETY MEETING (HOUSE KEEPING)
2030	2400	3.50	2	DRILL ACTUAL FROM 883M TO 904M
2400				

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINES, MANIFOLD CONFIG, BOPS
REMOTE CHOKE, ACCUM HYD LVL, DP SLIPS

SPECIAL EVENT			SAFETY TOPIC	MEIL	MADE
TIME / DEPTH			HOUSE KEEPING	36	8633

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W

SIGNATURE OF OPERATORS REPRESENTATIVE	SIGNATURE OF CONTRACTORS RIG MANAGER
Neil Rundell	Neil Rundell

DAILY CHECKS

	SPARE	E.M.
(1) Daily Walk Around Inspection	NR	TE
(2) Detailed Inspection - Weekly (Using Check List)	NR	TE
(3) H2S Signs Posted if Required	NR	TE
(4) Well Licence & Stick Diagram Posted	NR	TE
(5) Flare Lines Staked		
(6) BOP Drills Performed	NR	TE
(7) Visually Inspect BOPs, Flare Lines & Degasser Lines		TE
(1) Rig Site Health & Safety Meeting (one/crew/month)		TE
(2) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3) Mast Inspection before Raising or Lowering		
(4) Crown Saver Checked		
(5) Motor Kills Checked		

YEAR	MONTH	DAY
2007	2	6

RIG NO 129

FUEL @ 6310 HRS

TIG	BOILER
15000	1700

WEATHER	
TEMPERATURE	20
CURRENT CONDITIONS	WCALM
WIND DIRECTION	NUKUH
ROAD CONDITION	ICE

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KBTO CSG HEAD	SET AT (m)
DC	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	I. JNT O.D.	TYPE THREAD	NO of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

	SPUD DATE	2007/01/26	TIME	16 15
	RIG RELEASE		TIME	
	WELL TYPE	VERT	RE-ENTRY	NO
	OPERATOR'S AFE	07N710028		
	KELLY BUSHING	33	DF FUEL	
	CONTRACTOR'S JOB NUM.	749		
	TOUR SHEET SERIAL NUM.	PREC129_20070206_1C		
	VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2		

PASON DATAHUB

CODE NO	1 RIG UP & TEARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 JR WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		2.75				4.25	0.25		0.5												0.25						8.00
DAY		8.5					0.25			0.75											0.25	2.25					12.00
EVE		3.0					0.25			0.5											0.25						4.00
TOTAL		14.25				4.25	0.75		0.50	1.25											0.75	2.25					24.00

SHALE SHAKER SIZES			RENTALS/SERVICES	MORN	DAY	EVE
NO	TYPE	TYPE	IT38 LOADER			
1	BRANDT		CREW VEHICLE			
SCREENS CHANGED		NEW USED				
TOP	180	TOP 89				
MIDDLE	180	MIDDLE				
BOTTOM	89	BOTTOM				

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	6

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	47

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		DEAN PODOLSKI	8.00		DP
DERRICKHAND		NEIL HALFE	8.00		NH
MOTOR HAND		KIRK LYLYK	8.00		KL
FLOORHAND		VOYTO DURECH	8.00		VD
FLOORHAND		DARRELL IZZARD	8.00		DI
RIG MANAGER		TYLER ELL	1.00	DAY	TE

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: DARRELL IZZARD

DAY TOUR — FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		RYAN OXNER	12.00		RO
DERRICK HAND		PETER MATUSKA	12.00		PM
MOTORHAND		CHRIS HUNNEMAN	12.00		CH
FLOOR HAND		IVAN CINDRIC	12.00		IC
FLOORHAND		RANDAL ROCHAT	12.00		RR

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: RANDAL ROCHAT

EVENING TOUR — FROM 2000 TO 2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		MAGELLA MAINGUY	4.00		MM
DERRICKHAND		ADAM OAKE	4.00		AO
MOTORHAND		JASON BICKERT	4.00		JB
FLOOR HAND		TYLER FINNEY	4.00		TF
FLOORHAND		CAMERON MACKAY	4.00		CM

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: CAMERON MACKAY

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	28
1	TORQUE SUB	165	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.82
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O	102	.26
	DP	STANDS	
76	DP	SINGLES	680.47
	KELLY DOWN		11.30
	TOTAL		943.19
	WT. OF D.C.	19	
	WT. OF STRING	34	

BIT RECORD

BIT NO	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NO	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	513		
TOTAL HRS RUN	30.5		

CUTTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN NUMBER 17

HOLE CONDITION: HOLE DRAG 1 UP 1 DOWN; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

MUD RECORD — MUD TYPE: GEL/CHEM; WATER BASED X; OIL BASED

TIME	400	600	700
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	40	45	45
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
POLY-SEAL	6	SX
PRIMA SEAL M	10	SX
SAWDUST	10	SX
GEL	20	SX
DRISPAC	1	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1		2
HRS RUN	8	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	675	STACK TEMP	

CIRCULATION PRESSURE kPa: 3860

PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
140	100		

REDUCED PUMP SPEED: 1280 @ 68 @ 952

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
914	943	D	100	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
15	30	0.25	21	SAFETY MEETING (TRIPPING)
30	245	2.25	6	POOH FOR PLUGED JETS F/C @910m,865m,430m,0
245	345	1.00	6	RIH WITH BHA AND 1 STAND OF PIPE (F/C 0m,430m)
345	415	0.50	9	CUT OFF DRILLING LINE (10.2m)
415	515	1.00	6	FINISH RUNNING IN F/C @430m,455m,910m
515	800	2.75	2	DRILL ACTUAL from 914m TO 943M
800				
				BLEW DOWN BOILER 2 TIMES

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONGS AND LINES
ACCUM CONTROLS AND HYD. LEVEL, AIR HORN, PVT FOR PROPER ACCURACY
PIPE AND COLLAR SLIPS.

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	HRS.
TRIPPING	35	8633

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	28
1	TORQUE SUB	165	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.82
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O	102	.26
	DP	STANDS	
77	DP	SINGLES	748.43
	KELLY DOWN		11.30
	TOTAL		1011.15
	WT. OF D.C.	19	
	WT. OF STRING	34	

BIT RECORD

BIT NO	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NO	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	581		
TOTAL HRS RUN	39		

CUTTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN NUMBER 15

HOLE CONDITION: HOLE DRAG 1 UP 2 DOWN; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

MUD RECORD — MUD TYPE: GEL/CHEM; WATER BASED X; OIL BASED

TIME	1000	1400	1800
DENSITY (kg/m3)	1060	1070	1080
FUNNEL VISCOSITY	61	65	65
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GEL	100	SX
PRIMA SEAL C	57	SX
SAWDUST	35	SX
POLY-SEAL	35	SX
SODA ASH	9	SX
HUMALITE	2	SX
DRISPAC	3	SX
DETERGENT	1	PAILS

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1080	1060	1590
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1080	1060	1560

BOILERS

	1		2
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	525	STACK TEMP	

CIRCULATION PRESSURE kPa: 4550

PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
140	100		

REDUCED PUMP SPEED: 2800 @ 68 @ 933

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
952	2	
991	1.5	

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
943	947	D	100	6
947	1011	D	110	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE (F/T ANNULAR CL 12 SEC OP 13 SEC)
815	830	0.25	21	SAFETY MEETING (WORKING WITH STEAM)
830	845	0.25	2	DRILL ACTUAL FROM 943M TO 947M
845	1100	2.25	22	CLEAN TANKS OF SOLIDS, MIX LCM PLUG AND DISPLACE HOLE
1100	1915	8.25	2	DRILL ACTUAL FROM 947M TO 1011M
1915	2000	0.75	10	DEVIATION SURVEY (ACCUM)
2000				

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINES, MANIFOLD CONFIG, BOPS
REMOTE CHOKE, ACCUM HYD LVL, DP SLIPS

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	HRS.
WORKING WITH STEAM	34	8465

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	28
1	TORQUE SUB	165	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.82
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O	102	.26
	DP	STANDS	
81	DP	SINGLES	787.64
	KELLY DOWN		11.30
	TOTAL		1050.36
	WT. OF D.C.	19	
	WT. OF STRING	34	

BIT RECORD

BIT NO	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NO	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	620		
TOTAL HRS RUN	42		

CUTTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN NUMBER 14.7

HOLE CONDITION: HOLE DRAG 1UP 1 DOWN; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

MUD RECORD — MUD TYPE: GEL/CHEM; WATER BASED X; OIL BASED

TIME	2000	2200	
DENSITY (kg/m3)	1080	1080	1080
FUNNEL VISCOSITY	61	60	55
FLUID LOSS (cm3)			
pH	9.5	9.5	9.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
SAWDUST	70	SX
GEL	25	SX
POLY-SEAL	10	SX
PRIMA SEAL C	10	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1080	1070	1590
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
4	1080	1070	1590

BOILERS

	1		2
HRS RUN	4	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	525	STACK TEMP	

CIRCULATION PRESSURE kPa: 4610

PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
140	100		

REDUCED PUMP SPEED: 2910 @ 68 @ 1050

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1040	2.75	

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
1011	1050	D	100	6

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
2015	2030	0.25	21	SAFETY MEETING (H2S DRILL WITH NEW CREW)
2030	2330	3.00	2	DRILL ACTUAL FROM 1011m
2330	2400	0.50	10	DEVIATION SURVEY (ACCUM)
2400				

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINES, MANIFOLD CONFIG, BOPS

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	HRS.
H2S DRILL	35	8507

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
Neil Rundell	TYLER ELL

DAILY CHECKS

	OPER	K.M.
(1) Daily Walk Around Inspection	NR	TE
(2) Detailed Inspection - Weekly (Using Check List)		
(3) H2S Signs Posted if Required	NR	TE
(4) Well License & Stick Diagram Posted	NR	TE
(5) Flare Lines Staked	NR	TE
(6) BOP Drills Performed	NR	TE
(7) Visually Inspect BOPs - Flare Lines & Degasser Lines	NR	TE
(1) Rig Site Health & Safety Meeting (once/week/crew)		TE
(2) CAODC Rig Safety Inspection Checklist (once/month)		
(3) Head Inspection before Raising or Lowering		
(4) Crown Saver Checked		TE
(5) Motor Kills Checked		

YEAR	MONTH	DAY
2007	2	7

RIG NO	
129	

FUEL (E 00.00 HRS)

RIG	BOILER
13000	1700

TEMPERATURE	20
CURRENT CONDITIONS	WARM
WIND DIRECTION	NORTH
ROAD CONDITION	ICE

LAST CASING TUBING OR LINER	O.D. (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	UNI O.D.	TYPE THREAD	NO. of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

HUMP / HWL	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

SPUD DATE	2007/01/25
TIME	16:15
RIG RELEASE	
TIME	
WELL TYPE	VERT
REENTRY	NO
OPERATOR'S AFE	07N710028
KELLY BUSHING	33
DF FUEL	
CONTRACTOR'S JOB NUM.	749
TOUR SHEET SERIAL NUM	PREC129_20070207_1B
VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2

PASON DATAHUB

CODES NO

	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.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	SIDE WORK	SAFETY MEETING																	
MORN		6.5					0.25														0.25	1.0																	
DAY		1.0					0.25														0.25	10.5																	
EVE		1.0					0.25			0.5											0.25	2.0																	
TOTAL		8.50					0.75			0.50											0.75	13.50																	

TOTALS	
8.00	
12.00	
4.00	
24.00	

SHALE SHAKERS

NO.	TYPE / BRAND	TYPE
1		IT38 LOADER
SCREENS CHANGED	NO	NEW USED / USED
TOP	180	89
MIDDLE	180	
BOTTOM	89	

RENTALS / SERVICES

	MORN	DAY	EVE
CREW VEHICLE			

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	7

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X Yes / NO	48

MORNING TOUR

NO.	DRILLING ASSEMBLY (ALL BELOW DRILL STRING)	O.D.	LENGTH
1	BIT	28	
1	TORQUE SUB	156	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	.26
	D.P. STANDS		
84	D.P. SINGLES		807.11
	KELLY DOWN		11.30
	TOTAL		1069.83
	WT. OF D.C.	19	
	WT. OF STRING	34	

BIT RECORD

BIT NO	3
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS65
SERIAL NO	2399B
JETS	5X 11.1
	1X 10
DEPTH OUT (m)	
DEPTH IN (m)	430
TOTAL DRILLED (m)	639
TOTAL HRS RUN	48.5

CUTTING STRUCTURE

TI	To	WEAR	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
								12.9

HOLE CONDITION

HOLE DRAG	1 UP 1 DOWN
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE	GEL/CHEM	WATER BASED X	OIL BASED
TIME	200	400	600
DENSITY (kg/m3)	1080	1100	1100
FUNNEL VISCOSITY	60	60	65
FLUID LOSS (cm3)			
pH	9.5	9.5	9.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GEL	85	SX
SAWDUST	55	SX
DRISPAC	1	SX
HUMALITE	1	SX
CAUSTIC	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1080	1070	1560
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1080	1070	1580

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	550	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
4100	140	100		

REDUCED PUMP SPEED

2850	@	68	@	1069

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	DR/C	RPM	WOB
1050	1069	D	100	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	015	0.25	7	RIG SERVICE (F/T ANNULAR CL 12 SEC / OP 12 SEC)
015	030	0.25	21	SAFETY MEETING (BOP DRILL WITH NEW CREW)
030	700	6.50	2	DRILL ACTUAL FROM 1050m TO 1069m
700	800	1.00	22	MIX LCM PLUG AND DISS PLACE DOWN HOLE
800				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES,PINS,TONGS AND TONGS LINES
AIR HORN,MOTOR KILL,BOP AND MANIFOLD SET UP ,FLARE AND DEGASSER LINES
RIG AND ACCUMULATOR HYD LVL

SPECIAL EVENT		SAFETY TOPIC	MEIL	MAGI
TIME / DEPTH		BOP DRILL	36	8465

MORNING TOUR	FROM	0	TO	800	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MAGELLA MAINGUY	8.00			MM
DERRICKHAND		ADAM OAKE	8.00			AO
MOTORHAND		JASON BICKERT	8.00			JB
FLOOR HAND		TYLER FINNEY	8.00			TF
FLOORHAND		CAMERON MACKAY	8.00			CM

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: CAMERON MACKAY

DAY TOUR

NO.	DRILLING ASSEMBLY (ALL BELOW DRILL STRING)	O.D.	LENGTH
1	BIT	28	
1	TORQUE SUB	156	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	.26
	D.P. STANDS		
85	D.P. SINGLES		826.49
	KELLY DOWN		7.09
	TOTAL		1085.00
	WT. OF D.C.	19	
	WT. OF STRING	36	

BIT RECORD

BIT NO	3
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS65
SERIAL NO	2399B
JETS	5X 11.1
	1X 10
DEPTH OUT (m)	
DEPTH IN (m)	430
TOTAL DRILLED (m)	655
TOTAL HRS RUN	49.5

CUTTING STRUCTURE

TI	To	WEAR	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
								13

HOLE CONDITION

HOLE DRAG	1 UP 1 DOWN
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE		WATER BASED	OIL BASED
TIME	1300		
DENSITY (kg/m3)	1030		
FUNNEL VISCOSITY	51		
FLUID LOSS (cm3)			
pH	9.5		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GEL	182	SX
SAWDUST	95	SX
POLY-SEAL	45	SX
PRIMA SEAL M	20	SX
CELLOPHANE	10	SX
CAUSTIC	2	SX
PRIMA SEAL C	20	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	525	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
4100	140	100		

REDUCED PUMP SPEED

2850	@	68	@	1069

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	DR/C	RPM	WOB
1069	1076	D	110	3.5
1076	1085	D	110	3.5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1300	5.00	22	CLEAN TANKS OF SOLIDS/ FILL AND MIX LCM PLUG
1300	1315	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
1315	1330	0.25	21	SAFETY MEETING (WORKING IN THE COLD)
1330	1400	0.50	2	DRILL ACTUAL FROM 1069M TO 1076M
1400	1930	5.50	22	MIX ANOTHER LCM SLUG AND DISPLACE DOWN HOLE (X)5
1930	2000	0.50	2	DRILL ACTUAL FROM 1076M TO 1085M
2000				

NOTES: CHECKED, CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINES, MANIFOLD CONFIG, BOPS
REMOTE CHOKE, ACCUM HYD LVL, DP SUPS, GLYCOL LVL

SPECIAL EVENT		SAFETY TOPIC	MEIL	MAGI
TIME / DEPTH		WORKING IN COLD	37	8676

DAY TOUR	FROM	800	TO	2000	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	12.00			RO
DERRICK HAND		PETER MATUSKA	12.00			PM
MOTORHAND		CHRIS HUNNEMAN	12.00			CH
FLOOR HAND		IVAN CINDRIC	12.00			IC
FLOORHAND		RANDAL ROCHAT	12.00			RR
RIG MANAGER		TYLER ELL	1.00	DAY		TE

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: RANDAL ROCHAT

EVENING TOUR

NO.	DRILLING ASSEMBLY (ALL BELOW DRILL STRING)	O.D.	LENGTH
1	BIT	28	
1	TORQUE SUB	156	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X.O	102	.26
	D.P. STANDS		
86	D.P. SINGLES		836.22
	KELLY DOWN		7.36
	TOTAL		1085.00
	WT. OF D.C.	18	
	WT. OF STRING	36	

BIT RECORD

BIT NO	3
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS65
SERIAL NO	2399B
JETS	5X 11.1
	1X 10
DEPTH OUT (m)	
DEPTH IN (m)	430
TOTAL DRILLED (m)	655
TOTAL HRS RUN	50.5

CUTTING STRUCTURE

TI	To	WEAR	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
								13

HOLE CONDITION

HOLE DRAG	1 UP 1 DOWN
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE	GEL/CHEM	WATER BASED X	OIL BASED
TIME	2000	2200	2400
DENSITY (kg/m3)	1030	1030	1030
FUNNEL VISCOSITY	80	80	80
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
SAWDUST	70	SX
POLY-SEAL	10	SX
PRIMA SEAL C	20	SX
GEL	50	SX
CELLOPHANE	10	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	4	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	580	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
4200	140	95		

REDUCED PUMP SPEED

2900	@	68	@	1085

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1085	2.50	

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	DR/C	RPM	WOB
1085	1095	D	100	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T HCR OP 2 SEC / CL 2 SEC)
2015	2030	0.25	21	SAFETY MEETING(MIXED CHEMICAL)
2030	2230	2.00	22	MIXED SLUG AND DISPLACE DOWN HOLE
2230	2330	1.00	2	DRILL ACTUAL FROM 1085m TO1095m
2330	2400	0.50	10	DEVIATION SURVEY
2400				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES PINS,TONGS AND TONGS LINES
AIR HORN,CHECK BOP AND MANIFOLD SET UP,FLARE AND DEGASSER LINES
RIG AND ACCUMULATOR HYD LVL

SPECIAL EVENT		SAFETY TOPIC	MEIL	MAGI
TIME / DEPTH		CHEMICAL	37	8676

EVENING TOUR	FROM	2000	TO	2400	INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MAGELLA MAINGUY	4.00			MM
DERRICKHAND		ADAM OAKE	4.00			AO
MOTORHAND		JASON BICKERT	4.00			JB
FLOOR HAND		TYLER FINNEY	4.00			TF
FLOORHAND		CAMERON MACKAY	4.00			CM

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS — DRIVERS: CAMERON MACKAY

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION: 60:03:31.30 N 117:30:47.80 W	UNIQUE ID: 100/60 3 31.3 N--117 30 47.8 W
SIGNATURE OF OPERATOR'S REPRESENTATIVE: Neil Rundell	SIGNATURE OF CONTRACTOR'S RIG MANAGER: TYLER ELL

DAILY CHECKS

	GRP	L.M.
(1) Daily Walk Around Inspection		
(2) Detailed Inspection - Weekly (Using Check List)		
(3) H2S Signs Posted if Required	NR	TE
(4) Well Licence & Stick Diagram Posted	NR	TE
(5) Flare Lines Staked	NR	TE
(6) BOP Drills Performed		
(7) Visually Inspect BOPs - Flare Lines & Degasser Lines	NR	TE
(1) Rig Site Health & Safety Meeting (one/crew/month)		TE
(2) CAODC Rig Safety Inspection Checklist (one/quarter/month)		
(3) Mast Inspection before Raising or Lowering		
(4) Crown Saver Checked		TE
(5) Motor Kills Checked		

YEAR	MONTH	DAY
2007	2	8

RIG NO	BOILER
129	
RIG @ 0700 HRS	
10000	1600

WEATHER	
TEMPERATURE	31
CURRENT CONDITIONS	CLEAR
WIND DIRECTION	CALM
ROAD CONDITION	ICE

LAST CASING/ TUBING OR LINER	O.D (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D	I.JNT. O.D	TYPE THREAD	NO. of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

SPUD DATE	2007/01/26	TIME	16:15
RIG RELEASE		TIME	
WELL TYPE	VERT	RE-ENTRY	NO
OPERATOR'S AFE	07N710028		
KELLY BUSHING	33	DF FUEL	
CONTRACTOR'S JOB NUM.	749		
TOUR SHEET SERIAL NUM.	PREC129_20070208_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

CAODC

PASON DATAHUB

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTALS
	RIG UP & 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.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING						
MORN		2.0					0.25														0.25	5.5					8.00
DAY						5.0	0.25														0.25	6.5					12.00
EVE					2.5		0.25														0.25	1.0					4.00
TOTAL		2.00			2.50	5.00	0.75														0.75	13.00					24.00

SHALE SHAKER(S)		RENTALS / SERVICES	MORN	DAY	EVE
NO 1	TYPE BRANDT	TYPE IT38 LOADER			
SCREENS CHANGED	NO	NEW USED USED CREW VEHICLE			
TOP 180	TOP 89	TOP			
MIDDLE 180	MIDDLE	MIDDLE			
BOTTOM 89	BOTTOM	BOTTOM			

HUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	8

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NO	49

NO.	DRILLING ASSEMBLY (ALL ENTRY HERE)	LENGTH
1	BIT	O.D. 28
1	TORQUE SUB	156 2.80
4	6" DC	152 36.09
1	X.O.	151 .64
4	4 3/4 COLLAR	121 37.47
1	JAR	122 4.92
12	4 3/4 COLLAR	121 111.82
6	H.W.D.P.	102 57.14
1	X.O.	102 .26
	DP	STANDS
88	DP	SINGLES 855.67
	KELLY DOWN	11.30
	TOTAL	1118.39
	WT. OF D.C.	19
	WT. OF STRING	36

MORNING TOUR — FROM 0 TO 800

BIT RECORD

BIT NO	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NO	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	688		
TOTAL HRS RUN	52.5		

CUTTING STRUCTURE: Ti | To | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG 1 UP 1 DOWN; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE GEL/CHEM	WATER BASED X	OIL BASED	
TIME	200	400	600
DENSITY (kg/m3)	1030	1030	1030
FUNNEL VISCOSITY	80	80	80
FLUID LOSS (cm3)			
pH	9.5	9.5	9.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	170	SX
SAWDUST	160	SX
CAUSTIC	2	SX
CELLOPHANE	20	SX
PRIMA SEAL C	40	SX
PRIMA SEAL M	30	SX
DRISPAC	1	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	580	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
4850	140	95		

REDUCED PUMP SPEED: 2310 @ 68 @ 1095

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	D.R.C	RPM	WOB
1095	1118	D	100	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	015	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC / OP 2 SEC)
015	030	0.25	21	SAFETY MEETING (COLD WEATHER CONDITION)
030	600	5.50	22	MIXED AND PUMPING SLUG DOWN THE HOLE
600	800	2.00	2	DRILL ACTUAL FROM 1095m TO1118
800				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES,PINS,TONGS AND TONGS LINES; CHECK BOP AND MANIFOLD SET UP,FLARE AND DEGASSER LINES; RIG HYD AND ACCUMULATOR,PIPE SLIP

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	MAOP
COLD WEATHER	37	8676

RATE SCHEDULE	X	REGULAR		REPAIR		OVERT

CREW SAFETY DAYS	DRIVERS
	CAMERON MACKAY

MORNING TOUR	FROM 0	TO 800		INJURIES	
CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		MAGELLA MAINGUY	8.00		MM
DERRICKHAND		ADAM OAKE	8.00		AO
MOTORHAND		JASON BICKERT	8.00		JB
FLOOR HAND		TYLER FINNEY	8.00		TF
FLOORHAND		CAMERON MACKAY	8.00		CM
RIG MANAGER		TYLER ELL	1.00	DAY	TE

DAY TOUR — FROM 800 TO 2000

BIT RECORD

BIT NO	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NO	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	688		
TOTAL HRS RUN	52.5		

CUTTING STRUCTURE: Ti | To | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG 1 UP 1 DOWN; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE	WATER BASED	OIL BASED	
TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	95	SX
POLY-SEAL	21	SX
SAWDUST	135	SX
CAUSTIC	4	SX
PRIMA SEAL C	78	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	525	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
4850	140	95		

REDUCED PUMP SPEED: 2310 @ 68 @ 1095

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	D.R.C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	830	0.50	22	MIX LCM SLUG TO DISPLACE DOWN HOLE
830	845	0.25	21	SAFETY MEETING (TRIPPING)
845	1015	1.50	6	POOH WIPER TO 558M F/C @ 1117M, 1061M, 558M
1015	1130	1.25	6	RIH TO 600M DISPLACE LCM SLUG
1130	1145	0.25	7	RIG SERVICE (F/T ANNULAR CL12 SEC OP 13 SEC)
1145	1300	1.25	6	RIH TO 700M MIX AND DISPLACE LCM SLUG
1300	1900	6.00	22	MIX LCM SLUG AND DISPLACE @ 700M
1900	2000	1.00	6	RIH TO 900M MIX AND DISPLACE LCM SLUG
2000				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES AND PINS ,TONG LINES AND DIES, AIR HORN; TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINES, MANIFOLD CONFIG, BOPS; REMOTE CHOKE , DP SLIPS, ELEVATORS, ACCUM HYD LVL

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	MAOP
TRIPPING	37	8507

RATE SCHEDULE	X	REGULAR		REPAIR		OVERT

CREW SAFETY DAYS	DRIVERS
	RANDAL ROCHAT

DAY TOUR	FROM 800	TO 2000		INJURIES	
CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		RYAN OXNER	12.00		RO
DERRICK HAND		PETER MATUSKA	12.00		PM
MOTORHAND		CHRIS HUNNEMAN	12.00		CH
FLOOR HAND		IVAN CINDRIC	12.00		IC
FLOORHAND		RANDAL ROCHAT	12.00		RR

EVENING TOUR — FROM 2000 TO 2400

BIT RECORD

BIT NO	3		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	MKS65		
SERIAL NO	2399B		
JETS	5X	11.1	
	1X	10	
DEPTH OUT (m)			
DEPTH IN (m)	430		
TOTAL DRILLED (m)	688		
TOTAL HRS RUN	52.5		

CUTTING STRUCTURE: Ti | To | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION: HOLE DRAG 1 UP 1 DOWN; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

MUD RECORD

MUD TYPE GEL/CHEM	WATER BASED X	OIL BASED	
TIME	2000	2200	2400
DENSITY (kg/m3)	1100	1100	1100
FUNNEL VISCOSITY	50	60	70
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	85	SX
CAUSTIC	1	SX
SAWDUST	50	SX
CELLOPHANE	5	SX
PRIMA SEAL C	20	SX
PRIMA SEAL M	10	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
00			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	4	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	580	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
3980	140	85		

REDUCED PUMP SPEED: 1580 @ 68 @ 921

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	D.R.C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T HCR OP 2 SEC /CL 2 SEC)
2015	2030	0.25	21	SAFETY MEETING (SLIPPERY CONDITION)
2030	2130	1.00	22	MIXED AND PUMP LCM DOWN HOLE
2130	2400	2.50	5	CONDITION MUD & CIRCULATE
2400				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES ,PINS,TONGS AND TONGS LINES; AIR HORN BOP AND MANIFOLD SET UP,FLARE AND DEGASSER LINES; HYDRAULIC LEVEL RIG AND ACCUMULATOR

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	MAOP
SLIPPERY CONDITION	35	8507

RATE SCHEDULE	X	REGULAR		REPAIR		OVERT

CREW SAFETY DAYS	DRIVERS
	CAMERON MACKAY

EVENING TOUR	FROM 2000	TO 2400		INJURIES	
CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		MAGELLA MAINGUY	4.00		MM
DERRICKHAND		ADAM OAKE	4.00		AO
MOTORHAND		JASON BICKERT	4.00		JB
FLOOR HAND		TYLER FINNEY	4.00		TF
FLOORHAND		CAMERON MACKAY	4.00		CM

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION	UNIQUE ID
60 : 03:31.30 N 117:30:47.80 W	100/60 3 31.3 N–117 30 47.8 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MARK SEYMOUR	TYLER ELL

DAILY CHECKS

(1) Daily Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) H2S Signs Posted if Required
(4) Well Licence & Sick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOPs, Flare Lines & Degasser Lines
(1) Rig Site Health & Safety Meeting (one/week/crew)
(2) CAODC Rig Safet Inspection Checklist (one/month)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	OPER	K.M.	
	MS	TE	
	MS	TE	
	MS	TE	
	MS	TE	
	MS	TE	
		TE	
		TE	

YEAR	MONTH	DAY
2007	2	9

RIG NO: 129
FUEL: 6 @ 09:00 HRS
RIG: 6000
BOILER: 1000

WEATHER	
TEMPERATURE	31
CURRENT CONDITIONS	CLOUD
WIND DIRECTION	CALM
ROAD CONDITION	ICE

LAST CASING TUBING OR LINER	O.D (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D	I.D/NI O.D	TYPE THREAD	NO. of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	59.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

HUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

| | | |

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MARK SEYMOUR	TYLER ELL

DAILY CHECKS

(1) Daily Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) H2S Signs Posted if Required
(4) Well Licence & Sour Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOPs, Flare Lines & Degasser Lines

(1) Rig Site Health & Safety Meeting (one/crew/month)
(2) CAODC Rig Safety Inspection Checklist (one/rig/month)
(3) Mud Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	GREEN	SUN	MON	TUE	WED	THU	FRI	SAT
	MS	TE						
	MS	TE						
	MS	TE						
	MS	TE						
	MS	TE						
	MS	TE						
		TE						
		TE						
		TE						

YEAR	MONTH	DAY
2007	2	10

RIG NO	FUEL @ 0:00 HRS	
129		
RIG	BOILER	
18000	2000	

TEMPERATURE	-31
CURRENT CONDITIONS	CLOUD
WIND DIRECTION	CALM
ROAD CONDITION	ICE

LAST CASING TUBING OR LINER	OD (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KBTC CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	OD (mm)	MASS	GRADE	MINIMUM I.D.	I.JNT O.D.	TYPE THREAD	NO. of JOINTS
DC/DP	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

SKID DATE	2007/01/26
TIME	16 15
RIG RELEASE	
TIME	
WELL TYPE	VERT
REENTRY	NO
OPERATOR'S AFE	07N710028
KELLY BSHG	33
SP FUEL	
CONTRACTOR'S JOB NUM	749
TOUR SHEET SERIAL NUM	PREC129_20070210_1B
VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2

PASON DATAHUB

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	TOTALS
	RIG UP & TEAR DOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR HO	CUT OFF DRILL LINE	DEV SURVEY	WIRE LINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	JIR WORK	SAFETY MEETING				
MORN		3.25			1.25	2.0	0.25			0.5											0.25			0.5	8.00
DAY		3.0					0.25			1.25											0.25	7.25			12.00
EVE		2.5					0.25														0.25	1.0			4.00
TOTAL		8.75			1.25	2.00	0.75			1.75											0.75	8.25			0.50	24.00

SHALE SHAKER(S)			RENTALS/SERVICES	MORN	DAY	EVE
NO	TYPE BRANDT	TYPE	IT38 LOADER			
1	SCREENS CHANGED NO	NEW USED USED	CREW VEHICLE			
	TOP 180	TOP 89				
	MIDDLE 180	MIDDLE				
	BOTTOM 89	BOTTOM				

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	10

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES NU	51

NO.	DRILLING ASSEMBLY (AS ENTER HOLE)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	159	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	.26
	DP	STANDS	
51	DP	SINGLES	884.88
	KELLY DOWN		11.30
	TOTAL		1147.60
	WT. OF D.C.	19	
	WT. OF STRING	36	

BIT RECORD

BIT NO	4	
SIZE	200	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	MKS55	
SERIAL NU	SIN2426	
JETS	7X	9.5
DEPTH OUT (m)		
DEPTH IN (m)	1122	
TOTAL DRILLED (m)	25	
TOTAL HRS RUN	3.25	

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN RUNR 7.85

HOLE CONDITION: HOLE DRAG 1 UP 1 DOWN; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

MORNING TOUR — MUD RECORD

MUD TYPE: GEL/CHEM; WATER BASED X; OIL BASED

TIME	200	400	600
DENSITY (kg/m3)	1050	1050	1050
FUNNEL VISCOSITY	100	100	100
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	100	SX
CAUSTIC	1	SX
SODA ASH	4	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1		2
HRS RUN	8	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	580	STACK TEMP	

METRES DRILLED

FROM	TO	D.R.C	RPM	WOB
1122	1147	D	100	3

CIRCULATION PRESSURE KPa: 4850; PUMP NO. 1 LINER SIZE 140, SPM 100; PUMP NO. 2 LINER SIZE, SPM

REDUCED PUMP SPEED: 1950 @ 68 @ 1122

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1137	2	

DRILLER SIGNATURE: MAGELLA MAINGUY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	015	0.25	7	RIG SERVICE (F/T ANNULAR CL 12 SEC / OP 12 SEC)
015	030	0.25	21	SAFETY MEETING TRIPPING
030	115	0.75	6	RIH F/C @ 0m 450m 561m
115	145	0.50	26	THAW FROZEN KELLY
145	300	1.25	5	BRAKE CIRCULATION (CHANGE POP VALVE)
300	415	1.25	6	FINISH RIH F/C @ 1122m
415	730	3.25	2	DRILL ACTUAL FROM 1122m TO 1147 M
730	800	0.50	10	DEVIATION SURVEY
800				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES, PINS, TONGS AND TONGS LINES; BOP AND MANIFOLD SET UP FLARE AND DEGASSER LINES; AIR HORN, MOTOR KILL, PIPE AND COLLER SLIPS

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEIL	MACP
TIPPING	37	8591

MORNING TOUR — CREW

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MAGELLA MAINGUY	8.00			MM
DERRICKHAND		ADAM OAKE	8.00			AO
MOTORHAND		JASON BICKERT	8.00			JB
FLOOR HAND		TYLER FINNEY	8.00			TF
FLOORHAND		CAMERON MACKAY	8.00			CM
RIG MANAGER		TYLER ELL	1.00	DAY		TE

RATE SCHEDULE: X REGULAR; REPAIR; INVERT

CREW SAFETY DAYS — DRIVERS: CAMERON MACKAY

NO.	DRILLING ASSEMBLY (AS ENTER HOLE)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	159	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O	102	.26
	DP	STANDS	
156	DP	SINGLES	972.46
	KELLY DOWN		11.30
	TOTAL		1235.20
	WT. OF D.C.	19	
	WT. OF STRING	37	

BIT RECORD

BIT NO.	4	
SIZE	200	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	MKS55	
SERIAL NU	SIN2426	
JETS	7X	9.5
DEPTH OUT (m)		
DEPTH IN (m)	1122	
TOTAL DRILLED (m)	113	
TOTAL HRS RUN	6.25	

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN RUNR 19

HOLE CONDITION: HOLE DRAG 1UP 1 DOWN; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

DAY TOUR — MUD RECORD

MUD TYPE: GEL/CHEM; WATER BASED X; OIL BASED

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	302	SX
CAUSTIC	5	SX
SAWDUST	67	SX
PRIMA SEAL M	16	SX
SODA ASH	2	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1		2
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	525	STACK TEMP	

METRES DRILLED

FROM	TO	D.R.C	RPM	WOB
1147	1171	D	110	3
1171	1235	D	110	3

CIRCULATION PRESSURE KPa: 7200; PUMP NO. 1 LINER SIZE 140, SPM 120; PUMP NO. 2 LINER SIZE, SPM

REDUCED PUMP SPEED: 3010 @ 68 @ 1147

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1235	2	

DRILLER SIGNATURE: RYAN OXNER

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	930	1.50	22	MIX AND MUD UP 40m3 IN PRE MIX TANK
930	945	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
945	1000	0.25	21	SAFETY MEETING (WORKING WITH STEAM)
1000	1045	0.75	2	DRILL ACTUAL FROM 1147M TO 1171M
1045	1500	4.25	22	FILL TANKS AND MUD UP 40m3 IN PREMIX TANK
1500	1715	2.25	2	DRILL ACTUAL FROM 1171M TO 1235M
1715	1830	1.25	10	DEVIATION SURVEY (ACCUM)
1830	2000	1.50	22	FILL TANKS AND MUD UP 40m3 IN PRE MIX TANK
				WEEKLY
				BOP DRILL (OP HCR 2 SEC CL ANNULAR 12 SEC 120 SEC TO SECURE WELL)
				CHECK DERRICK FROM CROWN TO BASE

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN; TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINRES, MANIFOLD CONFIG, BOPS; REMOTE CHOKE, OVERHEAD CLEVISES AND SAFETY PINS

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEIL	MACP
WORKING WITH STEAM	38	8507

DAY TOUR — CREW

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	12.00			RO
DERRICK HAND		PETER MATUSKA	12.00			PM
MOTORHAND		CHRIS HUNNEMAN	12.00			CH
FLOOR HAND		IVAN CINDRIC	12.00			IC
FLOORHAND		RANDAL ROCHAT	12.00			RR

RATE SCHEDULE: X REGULAR; REPAIR; INVERT

CREW SAFETY DAYS — DRIVERS: RANDAL ROCHAT

NO.	DRILLING ASSEMBLY (AS ENTER HOLE)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	159	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O	102	.26
	DP	STANDS	
105	DP	SINGLES	1020.94
	KELLY DOWN		11.30
	TOTAL		1293.66
	WT. OF D.C.	19	
	WT. OF STRING	36	

BIT RECORD

BIT NO.	4	
SIZE	200	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	MKS55	
SERIAL NU	SIN2426	
JETS	7X	9.5
DEPTH OUT (m)		
DEPTH IN (m)	1122	
TOTAL DRILLED (m)	161	
TOTAL HRS RUN	8.75	

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN RUNR 16.4

HOLE CONDITION: HOLE DRAG 1 UP 1 DOWN; TORQUE AT BOTTOM 0; TILL ON BOTTOM (m) 0

EVENING TOUR — MUD RECORD

MUD TYPE: GEL/CHEM; WATER BASED X; OIL BASED

TIME	2000	2200	2400
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	110	110	110
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	100	SX
CAUSTIC	1	SX
SODA ASH	3	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1		2
HRS RUN	4	HRS RUN	0
BURGH pH	12	BURGH pH	
STACK TEMP	580	STACK TEMP	

METRES DRILLED

FROM	TO	D.R.C	RPM	WOB
1235	1283	D	110	3

CIRCULATION PRESSURE KPa: 7250; PUMP NO. 1 LINER SIZE 140, SPM 120; PUMP NO. 2 LINER SIZE, SPM

REDUCED PUMP SPEED: 3020 @ 68 @ 1235

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T HCR OP 2 SEC / CL 2 SEC)
2015	2030	0.25	21	SAFETY MEETING(MIXING CHEMICAL)
2030	2100	0.50	22	FILL TANKS AND MUD UP 40m3 IN PRE-MIX TANKS
2100	2330	2.50	2	DRILL ACTUAL FROM 1235m TO 1283m
2330	2400	0.50	22	FILL TANKS AND MUD UP 40m3 IN PRE-MIX TANK
2400				
				WEEKLY
				BOP DRILL WITH NEW CREW (OP HCR 2 SEC/CL ANNULAR 12 SEC
				SECURE WELL IN 120 SEC

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES PINS TONGS AND TONGS LINES; BOP AND MANIFOLD SET UP FLARE AND DEGASSER LINES; RIG AND ACCUMULATOR HYD LVL

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEIL	MACP
MIXING	38	8507

EVENING TOUR — CREW

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MAGELLA MAINGUY	4.00			MM
DERRICKHAND		ADAM OAKE	4.00			AO
MOTORHAND		JASON BICKERT	4.00			JB
FLOOR HAND		TYLER FINNEY	4.00			TF
FLOORHAND		CAMERON MACKAY	4.00			CM

RATE SCHEDULE: X REGULAR; REPAIR; INVERT

CREW SAFETY DAYS — DRIVERS: CAMERON MACKAY

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MARK SEYMOUR	TYLER ELL

DAILY CHECKS

	OPR	PMR
(.1) Daily Walk Around Inspection	MS	TE
(.2) Detailed Inspection - Weekly (Using Check List)		
(.3) H2S Signs Posted if Required	MS	TE
(.4) Well Licence & Stick Diagram Posted	MS	TE
(.5) Flare Lines Staked	MS	TE
(.6) BOP Drills Performed	MS	TE
(.7) Visually Inspect BOPs- Flare Lines & Degasser Lines	MS	TE
(.1) Rig Site Health & Safety Meeting (unknown/month)		TE
(.2) CAODC Rig Safety Inspection Checklist (unknown/month)		
(.3) Manif Inspection before Rerunning or Lowering		TE
(.4) Crown Saver Checked		
(.5) Motor Kills Checked		

YEAR	MONTH	DAY
2007	2	11

RIG NO. 129

FUEL (S) (D) (G) (B) (H)	
RIG	BOILER
16000	2100

WEATHER	TEMPERATURE
	-35
	CURRENT CONDITIONS: COLD
	WIND DIRECTION: CALM
	ROAD CONDITION: ICE

LAST CASING TUBING OR LINER	O.D (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KB TO (SG) HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.B	I.DIA. O.D	TYPE THREAD	NO of JOINTS
DC	152	122	STD	58	150	4"H90	4
DC	121	69.5		57	123	3"1/2 IF	16
DP	101	21.4	E	66	127	4"FH	156

	SPUD DATE	2007/01/26	TIME	16:15
	RIG RELEASE		TIME	
	WELL TYPE	VERT	RE-ENTRY	NO
	OPERATOR'S AFE	07N710028		
	KELLY BUSHING	33	DF FUEL	
	CONTRACTOR'S JOB NUM.	749		
	TOUR SHEET SERIAL NUM.	PREC129_20070211_1C		
	VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2		

PASON DATAHUB

CODE NO	1 REQUIP & TE ARDOWN	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	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	SR. WORK	SAFETY MEETING							TOTALS
MORN		4.75					0.25														0.25	2.75						8.00
DAY		4.25					0.25														0.25	6.25	1.0					12.00
EVE		0.75					0.25														0.25	0.5				2.25		4.00
TOTAL		9.75					0.75														0.75	9.50	1.00			2.25		24.00

SPARE EQUIPMENT			RENTALS/SERVICES	MORN	DAY	EVE
NO.	TYPE	TYPE				
1	BRANDIT		IT38 LOADER			
SCREENS CHANGED	NO	NEW USED	USED	CREW VEHICLE		
TOP	180	TOP	89			
MIDDLE	180	MIDDLE				
BOTTOM	89	BOTTOM				

NO.	DRILLING ASSEMBLY (ALL ENTER TOP DOWN)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	158	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	.26
	DP	STANDS	
111	DP	SINGLES	1078.36
KELLY DOWN			11.30
TOTAL			1341.08
WT. OF D.C.		19	
WT. OF STRING		40	

BIT RECORD

BIT NO	4	
SIZE	200	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	MKS55	
SERIAL NO	SIN2426	
JETS	7X	9.5
DEPTH OUT (m)		
DEPTH IN (m)	1122	
TOTAL DRILLED (m)	219	
TOTAL HRS RUN	13.50	

CUTTING STRUCTURE: Ti | To | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN HUNR 18.22

HOLE CONDITION: HOLE DRAG 2 UP 1 DOWN; TORQUE AT BOTTOM 0; FILL ON BOTTOM (m) 0

MORNING TOUR — MUD RECORD

MUD TYPE GEL/CHEM; WATER BASED X; OIL BASED

TIME	200	400	600
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	110	110	110
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED		
PRODUCT	AMOUNT	UNI
GEL	260	SX
CAUSTIC	3	SX
SODA ASH	6	SX
SAWDUST	72	SX
PRIMA SEAL M	15	SX
CELLOPHANE	7	SX

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN; INTAKE DENSITY (kg/m3); OVER FLOW DENSITY; UNDER FLOW DENSITY

BOILERS: 1 — HRS RUN 8; BOILER pH 12; STACK TEMP 580. 2 — HRS RUN 0; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
8100	140	115		

REDUCED PUMP SPEED: 4100 @ 68 @ 1303

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1321	2	

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
1293	1341	D	110	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	015	0.25	7	RIG SERVICE (F/T ANNULAR CL 12 SEC / OP 12 SEC)
015	030	0.25	21	SAFETY MEETING(H2S DRILL WITH NEW CREW)
030	115	0.75	22	FINISH FILL TANKS AND MUD UP 40m3 IN PRE-MIX TANK
115	345	2.50	2	DRILL ACTUAL FROM 1283m TO 1321m
345	545	2.00	22	FILL TANKS MUD UP 40 m3 IN PRE-MIX TANK
545	800	2.25	2	DRILL ACTUAL FROM 1321m TO 1341m
800				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES PINS,TONGS AND TONGS LINES; BOP AND MANIFOLD SET UP FLARE AND DEGASSER LINES; ACCUMULATOR AND RIG HYD LVL

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	MAN.
H2S DRILL	40	8507

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	11

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
RIG MANAGER: TYLER ELL	RIG NO: 129
PROVINCE: N.W.T.	CAMP: X YES ☐ NO
	RIG SAFETY DAYS: 62

MORNING TOUR FROM 0 TO 800 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MAGELLA MAINGUY	8.00			MM
DERRICKHAND		ADAM OAKE	8.00			AO
MOTORHAND		JASON BICKERT	8.00			JB
FLOOR HAND		TYLER FINNEY	8.00			TF
FLOORHAND		CAMERON MACKAY	8.00			CM
RIG MANAGER		TYLER ELL	1.00	DAY		TE

RATE SCHEDULE: X REGULAR; REPAIR; INVERT

CREW SAFETY DAYS — DRIVERS: CAMERON MACKAY

NO.	DRILLING ASSEMBLY (ALL ENTER TOP DOWN)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	158	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	.26
	DP	STANDS	
116	DP	SINGLES	1127.0
KELLY DOWN			11.30
TOTAL			1389.72
WT. OF D.C.		19	
WT. OF STRING		40	

BIT RECORD

BIT NO	4	
SIZE	200	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	MKS55	
SERIAL NO	SIN2426	
JETS	7X	9.5
DEPTH OUT (m)		
DEPTH IN (m)	1122	
TOTAL DRILLED (m)	267	
TOTAL HRS RUN	17.75	

CUTTING STRUCTURE: Ti | To | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN HUNR 15

HOLE CONDITION: HOLE DRAG 2 UP 1 DOWN; TORQUE AT BOTTOM 0; FILL ON BOTTOM (m) 0

DAY TOUR — MUD RECORD

MUD TYPE GEL/CHEM; WATER BASED X; OIL BASED

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED		
PRODUCT	AMOUNT	UNI
GEL	240	SX
CAUSTIC	5	SX
POLY-SEAL	4	SX
PRIMA SEAL M	5	SX
SAWDUST	83	SX
CELLOPHANE	11	SX

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN; INTAKE DENSITY (kg/m3); OVER FLOW DENSITY; UNDER FLOW DENSITY

BOILERS: 1 — HRS RUN 12; BOILER pH 11; STACK TEMP 525. 2 — HRS RUN 0; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
9351	140	115		

REDUCED PUMP SPEED: 3978 @ 68 @ 1341

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
1341	1350	D	110	3
1350	1389	D	110	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
815	900	0.75	2	DRILL ACTUAL FROM 1341M TO 1350M
900	1230	3.50	22	FILL TANKS AND MUD UP 40m3 IN PRE MIX TANK
1230	1330	1.00	23	THAW FROZEN KELLY
1330	1345	0.25	21	SAFETY MEETING (H2S SAFETY)
1345	1715	3.50	2	DRILL ACTUAL FROM 1350M TO 1389M
1715	2000	2.75	22	FILL TANKS AND MUD UP 40m3 IN PRE MIX TANK

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN; TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINES, MANIFOLD CONFIG, BOPS; ACCUM HYD LVL, REMOTE CHOKE

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	MAN.
H2S SAFETY	41	8507

DAY TOUR FROM 800 TO 2000 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	12.00			RO
DERRICK HAND		PETER MATUSKA	12.00			PM
MOTORHAND		CHRIS HUNNEMAN	12.00			CH
FLOOR HAND		IVAN CINDRIC	12.00			IC
FLOORHAND		RANDAL ROCHAT	12.00			RR

RATE SCHEDULE: X REGULAR; REPAIR; INVERT

CREW SAFETY DAYS — DRIVERS: RANDAL ROCHAT

NO.	DRILLING ASSEMBLY (ALL ENTER TOP DOWN)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	158	2.80
4	6" DC	152	36.09
1	X.O	151	.64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	.26
	DP	STANDS	
117	DP	SINGLES	1136.70
KELLY DOWN			11.30
TOTAL			1399.42
WT. OF D.C.		19	
WT. OF STRING		41	

BIT RECORD

BIT NO	4	
SIZE	200	
IADC CODE		
MANUFACTURER	VAREL	
TYPE	MKS55	
SERIAL NO	SIN2426	
JETS	7X	9.5
DEPTH OUT (m)		
DEPTH IN (m)	1122	
TOTAL DRILLED (m)	277	
TOTAL HRS RUN	18.50	

CUTTING STRUCTURE: Ti | To | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN HUNR 14.97

HOLE CONDITION: HOLE DRAG 2 UP 1 DOWN; TORQUE AT BOTTOM 0; FILL ON BOTTOM (m) 0

EVENING TOUR — MUD RECORD

MUD TYPE GEL/CHEM; WATER BASED X; OIL BASED

TIME	2000	2200	2400
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	150	150	150
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED		
PRODUCT	AMOUNT	UNI
GEL	100	SX
SODA ASH	3	SX
CAUSTIC	1	SX

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN; INTAKE DENSITY (kg/m3); OVER FLOW DENSITY; UNDER FLOW DENSITY

BOILERS: 1 — HRS RUN 4; BOILER pH 12; STACK TEMP 580. 2 — HRS RUN 0; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
9400	140	115		

REDUCED PUMP SPEED: 4090 @ 68 @ 1399

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
1389	1399	D	110	6

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T HCR OP 2 SEC /CL 2 SEC)
2015	2030	0.25	21	SAFETY MEETING (MIXING LCM)
2030	2245	2.25	26	CLEAN FLOW LINE,CLEAN PUMP OF LCM MATERIAL AND THAW PRE-MIX TRANSFER VALVE
2245	2330	0.75	2	DRILL ACTUAL FROM 1389m TO 1399m
2330	2400	0.50	22	FILL TANK MUD UP 40m3 IN PRE-MIX TANK
2400				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES,PINS,TONGS AND TONGS LINES; CHECKED BOP AND MANIFOLD SET UP FLARE AND DEGASSER LINES; RIG AND ACCUMULATOR HYD LVL

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	MAN.
LCM MATERIAL	45	8507

EVENING TOUR FROM 2000 TO 2400 — INJURIES

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MAGELLA MAINGUY	4.00			MM
DERRICKHAND		ADAM OAKE	4.00			AO
MOTORHAND		JASON BICKERT	4.00			JB
FLOOR HAND		TYLER FINNEY	4.00			TF
FLOORHAND		CAMERON MACKAY	4.00			CM

RATE SCHEDULE: X REGULAR; REPAIR; INVERT

CREW SAFETY DAYS — DRIVERS: CAMERON MACKAY

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MARK SEYMOUR	TYLER ELL

DAILY CHECKS

(1) Daily Walk Around Inspection	OPR	S.M.
(2) Detailed Inspection - Weekly (Using Check List)	MS	TE
(3) H2S Signs Posted if Required	MS	TE
(4) Well Licence & Stick Diagram Posted	MS	TE
(5) Flare Lines Staked	MS	TE
(6) BOP Drills Performed		
(7) Visually Inspect BOPs, Flare Lines & Degasser Lines	MS	TE
(1) Rig Site Health & Safety Meeting (one/crew/month)		TE
(2) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3) Mast Inspection before Raising or Lowering		TE
(4) Crown Saver Checked		
(5) Motor Kills Checked		

YEAR	MONTH	DAY
2007	2	12

TKO NO.	129
FUEL (@ 08:00 HRS)	
TKO	14000
BOILER	1500

OPERATING
29
CURRENT CONDITIONS
COLD
WIND DIRECTION
NORTH
ROAD CONDITION
SLIPPERY

	O.D. (mm)	MIN.ID (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
LAST CASING TUBING OR LINER	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	MINI O.D.	TYPE THREAD	NO. of JOINTS	HUMP / HYD.	PUMP MANUFACTURER	STROKE LENGTH
DC	152	122	STD	58	150	4" HSO	4	BP/MMP	EMSCO	229
DC	121	69.5		57	123	3" 1/2 IF	16	F-800		
DP	101	21.4	E	66	127	4" FH	154			

	SPUD DATE:	2007/01/25	TIME	16:15
	RIG RELEASE		TIME	
	WELL TYPE:	VERT	RE-ENTRY	NO
	OPERATOR'S AFE	07N710028		
	KELLY BUSHING	33	GR. ELEV.	
	CONTRACTOR'S JOB NUM.	749		
	TOUR SHEET SERIAL NUM.	PREC129_20070212_1B		
	VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2		

PASON DATAHUB

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTALS
	RIG UP & TEAR DOWN	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.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	SR. WORK	SAFETY MEETING						
WORK		1.25			0.5	3.0	0.25														0.25	2.75					8.00
DAY			1.0	3.0		7.25	0.25														0.5						12.00
EVE				3.5			0.25														0.25						4.00
TOTAL		1.25	1.00	6.50	0.50	10.25	0.75														1.00	2.75					24.00

SHALE SHAKER(S)	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
NO. 1	BRANDT		IT38 LOADER			
SCREENS CHANGED	NO	NEW USED	USED	CREW VEHICLE		
TOP	180	89	TOP			
MIDDLE	180		MIDDLE			
BOTTOM	89		BOTTOM			

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	12

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	53

MORNING TOUR

FROM 0 TO 800

NO.	DRILLING ASSEMBLY (AS BELOW FROM)		LENGTH
1	BIT	O.D.	28
1	TORQUE SUB	155	2.80
4	6" DC	152	36.09
1	X.O.	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	122	4.92
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	26
	DP	STANDS	
118	DP	SINGLES	1146.37
	KELLY DOWN		8.26
	TOTAL		1406.00
	WT. OF D.C.	19	
	WT. OF STRING	41	

BIT RECORD

BIT NO.	4
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS55
SERIAL NO.	SIN2426
JETS	7X 9.5
DEPTH OUT (m)	1406
DEPTH IN (m)	1122
TOTAL DRILLED (m)	284.00
TOTAL HRS RUN	19.75

CUTTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR | 14.37

HOLE CONDITION

HOLE DRAG	2 UP 2 DOWN
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: GEL/CHEM — WATER BASED [X] OIL BASED [ ]

TIME	200	400	600
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	90	60	60
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	205	SX
CAUSTIC	3	SX
SODA ASH	3	SX

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY — 0

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY — 0

BOILERS: 1 — HRS RUN 8, BOILER pH 12, STACK TEMP 590 — 2 — HRS RUN 0, BOILER pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNDER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 UNDER SIZE	PUMP NO. 2 SPM
8900	140	115		

REDUCED PUMP SPEED: 4100 @ 68 @ 1399

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	D.R/C	RPM	WOB
1399	1406	D	110	6

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	015	0.25	7	RIG SERVICE (F/T ANNULAR CL 12 SEC / OP 12 SEC)
015	030	0.25	21	SAFETY MEETING (SMOKING AREA)
030	145	1.25	22	FILL TANK MUD UP 40m3 IN PRE-MIX TANK
145	300	1.25	2	DRILL ACTUAL FROM 1399m TO 1406m
300	430	1.50	22	FILL TANK MUD UP 40m3 IN PRE-MIX TANK
430	500	0.50	5	CONDITION MUD & CIRCULATE
500	800	3.00	6	POOH TO CORE, 15 mm F/C @ 1406m,1335m,703m,430m,0m /STRAP OUT
800				
				BLOW BOILER 3 TIMES

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES PINS, TONGS AND TONGS LINES
AIR HORN, MOTOR KILL BOP AND MANIFOLD SET UP FLARE AND DEGASSER LINES
RIG AND ACCUMULATOR HYD LVL

SPECIAL EVENT			SAFETY TOPIC	MEH.	MAOP
TIME / DEPTH			SMOKING AREA	45	8507

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
	CAMERON MACKAY

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MAGELLA MAINGUY	8.00			MM
DERRICKHAND		ADAM OAKE	8.00			AO
MOTORHAND		JASON BICKERT	8.00			JB
FLOOR HAND		TYLER FINNEY	8.00			TF
FLOORHAND		CAMERON MACKAY	8.00			CM
RIG MANAGER		TYLER ELL	1.00	DAY		TE

DAY TOUR

FROM 800 TO 2000

NO.	DRILLING ASSEMBLY (AS BELOW FROM)		LENGTH
1	BIT	O.D.	33
2	CORE BARREL	154	19.65
1	JAR	154	2.07
1	X.O.	154	25
1	BIT SUB	156	95
4	6" DC	152	36.09
1	X.O.	151	64
4	4 3/4 COLLAR	121	37.47
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	26
	DP	STANDS	
117	DP	SINGLES	1136.70
	KELLY DOWN		2.63
	TOTAL		1406.00
	WT. OF D.C.	19	
	WT. OF STRING	41	

BIT RECORD

BIT NO.	5
SIZE	171
IADC CODE	
MANUFACTURER	BHC
TYPE	BHC 406
SERIAL NO.	7302765
JETS	1X 52
DEPTH OUT (m)	
DEPTH IN (m)	1406
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	2 UP 1 DOWN
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: — WATER BASED [ ] OIL BASED [ ]

TIME	1000	1400	2000
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	30	SX
SAWDUST	10	SX

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY — 0

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY — 0

BOILERS: 1 — HRS RUN 12, BOILER pH 11, STACK TEMP 525 — 2 — HRS RUN 0, BOILER pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNDER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 UNDER SIZE	PUMP NO. 2 SPM
8900	140	115		

REDUCED PUMP SPEED: 4100 @ 68 @ 1399

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	D.R/C	RPM	WOB
1385	1406	R	60	2

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1045	2.75	6	POOH TO CORE F/C @ 703M , 430M, 0 STRAP OUT
1045	1100	0.25	7	RIG SERVICE (F/T BLIND RAMS CL 2 SEC OP 2 SEC)
1100	1130	0.50	21	SAFETY MEETING (MAKING UP COREING TOOLS)
1130	1430	3.00	4	CORING MAKE UP CORE BARREL
1430	1900	4.50	6	RIH TO CORE BREAK CIRC @ 430m,800m,1200m
1900	2000	1.00	3	REAMING FROM 1385m TO 1406
2000				
				CHANGED PILOT SHOES AND SHIMS /RESET LEAD THEN CHECKED LEAD

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINES, MANIFOLD CONFIG, BOPS
DP AND COLLAR SLIPS, ELEVATORS, REMOTE CHOKE

SPECIAL EVENT			SAFETY TOPIC	MEH.	MAOP
TIME / DEPTH			MAKING UP CORE TOOLS	41	8507

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
	RANDAL ROCHAT

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	8.00			RO
DERRICK HAND		PETER MATUSKA	8.00			PM
MOTORHAND		CHRIS HUNNEMAN	8.00			CH
FLOOR HAND		IVAN CINDRIC	8.00			IC
FLOORHAND		RANDAL ROCHAT	8.00			RR

EVENING TOUR

FROM 2000 TO 2400

NO.	DRILLING ASSEMBLY (AS BELOW FROM)		LENGTH
1	BIT	O.D.	33
2	CORE BARREL	154	19.65
1	JAR	154	2.07
1	X.O.	154	25
1	BIT SUB	156	95
4	6" DC	152	36.09
1	X.O.	151	64
4	4 3/4 COLLAR	121	37.47
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P.	102	57.14
1	X.O.	102	26
	DP	STANDS	
117	DP	SINGLES	1136.70
	KELLY DOWN		8.78
	TOTAL		1413.15
	WT. OF D.C.	19	
	WT. OF STRING	44	

BIT RECORD

BIT NO.	5
SIZE	171
IADC CODE	
MANUFACTURER	BHC
TYPE	BHC 406
SERIAL NO.	7302765
JETS	1X 52
DEPTH OUT (m)	
DEPTH IN (m)	1406
TOTAL DRILLED (m)	7
TOTAL HRS RUN	3.5

CUTTING STRUCTURE: T1 | To | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR | 7

HOLE CONDITION

HOLE DRAG	2 UP 1 DOWN
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: GEL/CHEM — WATER BASED [X] OIL BASED [ ]

TIME	2000	2200	2400
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	90	90	90
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	55	SX
SAWDUST	10	SX
SODA ASH	8	SX

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY — 0

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY — 0

BOILERS: 1 — HRS RUN 4, BOILER pH 12, STACK TEMP 590 — 2 — HRS RUN 0, BOILER pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNDER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 UNDER SIZE	PUMP NO. 2 SPM
8280	140	98		

REDUCED PUMP SPEED: 4150 @ 68 @ 1406

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	D.R/C	RPM	WOB
1406	1413	R	60	2

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC/ OP 2 SEC)
2015	2030	0.25	21	SAFETY MEETING (CORING)
2030	2400	3.50	4	CORING FROM 1406m TO 1413M
2400				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES PINS, TONGS AND TONGS LINES
AIR HORN BOP AND MANIFOLD SET UP FLARE AND DEGASSER LINES
RIG AND ACCUMULATOR HYD LVL

SPECIAL EVENT			SAFETY TOPIC	MEH.	MAOP
TIME / DEPTH			CORING	45	8507

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
	CAMERON MACKAY

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		MAGELLA MAINGUY	8.00			MM
DERRICKHAND		ADAM OAKE	8.00			AO
MOTORHAND		JASON BICKERT	8.00			JB
FLOOR HAND		TYLER FINNEY	8.00			TF
FLOORHAND		CAMERON MACKAY	8.00			CM

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MARK SEYMOUR	TYLER ELL

DAILY CHECKS

(1) Daily Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) H2S Signs Posted if Required
(4) Well Licence & Stick Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Weekly Project BOPs, Flare Lines & Degasser Lines
(1) Rig Site Health & Safety Meeting (one/week/crew)
(2) CAODC Rig Safety Inspection Checklist (one/month)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	DP/R.M.	MS.	TE.
		MS.	TE.
		MS.	TE.
		MS.	TE.
		MS.	TE.
		TE.	
		TE.	

YEAR	MONTH	DAY
2007	2	13

RIG NO. 129

FUEL (S) 0930 HRS.

RIG	BOILER
14000	1500

WEATHER

TEMPERATURE	DD/DP
32	
CURRENT CONDITIONS	DC
CLOUD	DC
WIND DIRECTION	DP
WEST	
ROAD CONDITION	
ICE	

LAST CASING/TUBING OR liner

O.D (mm)	MIN ID (mm)	MASS (kg/m.)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KBTO CSG HEAD	SET AT (m)
219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

DD/DP SIZE	MASS	GRADE	MINIMUM I.D.	I.JNT O.D.	I.THE THREAD	NO of JOINTS
152	122	STD	58	150	4" H90	4
121	69.5		57	123	3" 1/2 IF	16
101	21.4	E	66	127	4" FH	154

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	228
F-800		

SPUD DATE	2007/01/26	TIME	16:15
RIG RELEASE		TIME	
WELL TYPE	VERT	RE-ENTRY	NO
OPERATOR'S AFE	07N710028		
KELLY BUSHING	33	SP. FUEL	
CONTRACTOR'S JOB NUM.	749		
TOUR SHEET SERIAL NUM.	PREC129_20070213_1D		
VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2		

PASON DATAHUB

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
	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 TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	SR. WORK	SAFETY MEETING					
MORN				2.0	1.0	4.25	0.25														0.5					
DAY			1.5	5.75		3.0	0.25		1.0												0.5					
EVE				2.5		1.0	0.25														0.25					
TOTAL			1.50	10.25	1.00	8.25	0.75		1.00												1.25					

TOTALS	
8.00	
12.00	
4.00	
24.00	

RENTALS / SERVICES

NO	TYPE		MORN	DAY	EVE
1	BRANDT	IT38 LOADER			
SCREENS CHANGED	NO	NEW USED / USED	CREW VEHICLE		
TOP 180	TOP 89				
MIDDLE 180	MIDDLE				
BOTTOM 89	BOTTOM				

SHALE SHAKER(S)

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	13

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NU	54

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	33
2	CORE BARREL	1bs/	19.65
1	JAR	1bs/	2.07
1	X.O.	1bs/	25
1	BIT SUB	1bs/	95
4	6" DC	1b2	36.09
1	X.O.	1b1	64
4	4 3/4 COLLAR	121	37.47
12	4 3/4 COLLAR	121	111.82
8	H.W.D.P	1U2	57.14
1	X.O.	1U2	26
	DP	STANDS	
117	DP	SINGLES	1136.70
KELLY DOWN			9.78
TOTAL			1413.15
WT. OF D.C.		19	
WT. OF STRING		44	

MORNING TOUR — FROM 0 TO 800

BIT RECORD

BIT NO	CH#1
SIZE	171
IADC CODE	
MANUFACTURER	BHC
TYPE	BHC 406
SERIAL NO	7302765
JETS	1X 52
DEPTH OUT (m)	1413.4
DEPTH IN (m)	1406
TOTAL DRILLED (m)	7.40
TOTAL HRS RUN	4

CUTTING STRUCTURE: Ti | To | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	2 UP 1 DOWN
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: GEL/CHEM — WATER BASED [X] OIL BASED [ ]

TIME	1200	300	600
DENSITY (kg/m3)	1050	1050	1050
FUNNEL VISCOSITY	90	96	100
FLUID LOSS (cm3)			
pH	10	11	11

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
SODA ASH	5	SX

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	11	BOILER pH	
STACK TEMP	525	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
10500	140	104		

REDUCED PUMP SPEED: 6400 @ 68 @ 1412

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: RYAN OXNER

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
1413	1413	C	65	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0030	0.50	4	CORING FROM 1413.15M TO 1413.45M
0030	130	1.00	5	CONDITION MUD & CIRCULATE
130	145	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
145	215	0.50	21	SAFETY MEETING (RETRIEVING CORE)
215	630	4.25	6	POOH TO RETRIEVE CORE F/C @ 1413M, 1342M, 706M, 430M 0M
630	800	1.50	4	RETRIEVE CORE AND RESET TOOL
800				
				SAFETY MEETING WITH H2S AND CORE HAND. MEDIC EVERYBODY WAS FIT TESTED
				SCBA . DISCUSSED PROCEDURES FOR USE SUPPLIED AIR, ON AND OFFING OF MASK
				AND TOXICITY LVLS OF H2S
				CORE BRRL TOOL WAS JAMMED

NOTES: CHECKED CROWN SAVER, BRAKE LINKAGES AND PINS, TONG LINES AND DIES, AIR HORN
TUGGER LINES AND HOOKS, FLARE AND DEGASSER LINES, MANIFOLD CONFIG, BOPS
DP AND COLLAR SLIPS, ELEVATORS, DOG COLLAR

SPECIAL EVENT		SAFETY TOPIC	MEN.	MAGN.
TIME / DEPTH		H2S RETRIEVING CORE	44	8591

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
	RANDAL ROCHAT

CREW	SOC INS. NO.	NAME	HRS		YES	NO
DRILLER		RYAN OXNER	8.00			RO
DERRICK HAND		PETER MATUSKA	8.00			PM
MOTORHAND		CHRIS HUNNEMAN	8.00			CH
FLOOR HAND		IVAN CINDRIC	8.00			IC
FLOORHAND		RANDAL ROCHAT	8.00			RR
RIG MANAGER		TYLER ELL	1.00	DAY		TE

INJURIES

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	33
2	CORE BARREL	1bs/	19.65
1	JAR	1bs/	2.07
1	X.O.	1bs/	25
1	BIT SUB	1bs/	95
4	6" DC	1b2	36.09
1	X.O.	1b1	64
4	4 3/4 COLLAR	121	37.47
12	4 3/4 COLLAR	121	111.82
8	H.W.D.P	1U2	57.14
1	X.O.	1U2	26
	DP	STANDS	
118	DP	SINGLES	1144.14
KELLY DOWN			11.86
TOTAL			1422.67
WT. OF D.C.		19	
WT. OF STRING		41	

DAY TOUR — FROM 800 TO 2000

BIT RECORD

BIT NO	CH#2
SIZE	171
IADC CODE	
MANUFACTURER	BHC
TYPE	ARC 327
SERIAL NO	ZCB0323629
JETS	1X 0.93
DEPTH OUT (m)	
DEPTH IN (m)	1413.40
TOTAL DRILLED (m)	9.1
TOTAL HRS RUN	3.75

CUTTING STRUCTURE: Ti | To | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	2 UP 1 DOWN
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: GEL/CHEM — WATER BASED [X] OIL BASED [ ]

TIME	1000	1400	1800
DENSITY (kg/m3)	1070	1070	1070
FUNNEL VISCOSITY	80	80	80
FLUID LOSS (cm3)			
pH	10	10.5	10.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
GEL	32	SX
SODA ASH	8	SX
SAWDUST	10	SX

SOLIDS CONTROL

CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0

HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

0

BOILERS

1		2	
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	580	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7550	140	98		

REDUCED PUMP SPEED: 2130 @ 68 @ 1414

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
1413.40	1422	R	70	3

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE (F/T BLIND RAMS CL 2 SEC / OP 2 SEC)
815	830	0.25	21	SAFETY MEETING (H2S DRILL)
830	1030	2.00	4	SERVICE CORE BAREL AND CHANGE CORE HEAD
1030	1115	0.75	6	RUN BHA F/C @0m ,296m
1115	1130	0.25	21	SAFETY MEETING (SLIP AND CUT)
1130	1230	1.00	8	CUT OFF DRILLING LINE 20.4m
1230	1445	2.25	6	RIH WITH CORE BAREL F/C @430m,703m,1406m/BRAKE CICULATION@ 800m
1445	1615	1.50	3	WASH TO BOTTOM 30m , 1/2m OF LOOSE FILL/TAG BOTTOM SPACE OUT USING PUP JOINTS
1615	2000	3.75	4	CORING FROM 1413.4M 1422.5M
2000				

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION: 60:03:31.30 N 117:30:47.80 W	UNIQUE ID: 100/60 3 31.3 N--117 30 47.8 W
SIGNATURE OF OPERATOR'S REPRESENTATIVE: MARK SEYMOUR	SIGNATURE OF CONTRACTOR'S RIG MANAGER: TYLER ELL

DAILY CHECKS

	GREEN	MS	TE
(1.) Daily Walk Around Inspection			
(2.) Detailed Inspection - Weekly (Using Check List)			
(3.) H2S Signs Posted if Required			
(4.) Well License & Blok Diagram Posted		MS	TE
(5.) Flare Lines Staked		MS	TE
(6.) BOP Drills Performed			
(7.) Visually Inspect BOPs - Flare Lines & Degasser Lines		MS	TE
(1.) Rig Site Health & Safety Meeting (once/week/month)			TE
(2.) CAODC Rig Safet Inspection Checklist (once/month)			
(3.) Mast Inspection before Raising or Lowering			
(4.) Crown Saver Checked			TE
(5.) Motor Kills Checked			

YEAR	MONTH	DAY
2007	2	14

RIG NO: 129

FUEL @ 08:00 HRS

TKG	BOILER
8500	1500

WEATHER: TEMPERATURE 32; CURRENT CONDITIONS COLD; WIND DIRECTION West; ROAD CONDITION ICE

LAST CASING TUBING OR LINER	OD (mm)	MIN ID (mm)	MASS (kg/m.s)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	LINE SIZE	TYPE THREAD	NO of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

SPUD DATE	2007/01/26
TIME	16:15
RIG RELEASE	
TIME	
WELL TYPE	VERT
RE-ENTRY	NO
OPERATOR'S AFE	07N710028
KELLY BSHG	33
DP FUEL	
CONTRACTOR'S JOB NUM	749
TOUR SHEET SERIAL NUM	PREC129_20070214_1B
VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2

CAODC

PASON DATAHUB

CODE NO	1	2	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	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.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING				
MORN				3.5		4.0	0.25														0.25				
DAY		5.75	1.5			4.25	0.25														0.25				
EVE		3.5					0.25														0.25				
TOTAL		9.25	1.50	3.50		8.25	0.75														0.75				

TOTALS	
8.00	
12.00	
4.00	
24.00	

SHALE SHAKER(S)

NO	TYPE BRANDT	TYPE	IT38 LOADER
SCREENS CHANGED	NO	NEWS USED	CREW VEHICLE
TOP	180	TOP	89
MIDDLE	180	MIDDLE	
BOTTOM	89	BOTTOM	

RENTALS / SERVICES	MORN	DAY	EVE

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	14

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	55

MORNING TOUR — FROM 0 TO 800

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1.	BIT	O.D.	33
2.	CORE BARREL	159	19.65
1.	JAR	159	2.07
1.	X.O	150	25
1.	BIT SUB	156	85
4.	6" DC	152	36.09
1.	X.O	151	64
4.	4 3/4 COLLAR	121	37.47
12.	4 3/4 COLLAR	121	111.82
6.	H.W.D.P.	102	57.14
1.	X.O	102	26
	DP	STANDS	
119.	DP	SINGLES	1153.76
	KELLY DOWN		4.57
	TOTAL		1425.00
	WT. OF D.C	19	
	WT. OF STRING	41	

BIT RECORD

BIT NO.	CH#2
SIZE	171
IADC CODE	
MANUFACTURER	BHC
TYPE	ARC 327
SERIAL NO	ZCB0323629
JETS	1X 0.93
DEPTH OUT (m)	
DEPTH IN (m)	1413.40
TOTAL DRILLED (m)	11.60
TOTAL HRS RUN	

OUTING STRUCTURE	TI	TO	WDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/hr

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MUD RECORD

MUD TYPE: GEL/CHEM	WATER BASED X	OIL BASED	
TIME	200	400	600
DENSITY (kg/m3)	1050	1050	1050
FUNNEL VISCOSITY	67	67	67
FLUID LOSS (cm3)			
pH	11	11	11

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	8	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	680	STACK TEMP	

CIRCULATION PRESSURE KPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
8500	140	100		

REDUCED PUMP SPEED: 2300 @ 68 @ 1425

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
15	415	4.00	6	POOH TO RETRIEVE CORE #2 (F/C @ 1425m,1354m,712m,430m,0m
415	430	0.25	21	SAFETY MEETING (HANDELING CORE)
430	630	2.00	4	LAY OUT CORE #2 1413m TO 1425m
630	800	1.50	4	LAY OUT CORE BARREL
800				
				NO H2S WAS ENCOUNTERED WHILE THE CORE WAS PULLED
				BLEWDOWN BOILER 3 TIMES

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
AIR HORN,PVT FOR PROPER ACCURACY MANIFOLD SET UP ACCUM CONTROLS

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	MAN.
HANDELING CORE	45	8591

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
	DARRELL IZZARD

INJURIES	YES	NO

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		DEAN PODOLSKI	8.00		DP
DERRICKHAND		NEIL HALFE	8.00		NH
MOTOR HAND		KIRK LYLYK	8.00		KL
FLOORHAND		VOYTO DURECH	8.00		VD
FLOORHAND		DARRELL IZZARD	8.00		DI
RIG MANAGER		TYLER ELL	1.00 DAY		TE

DAY TOUR — FROM 800 TO 2000

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1.	BIT	O.D.	28
1.	BIT SUB	156	85
4.	6" DC	152	36.09
1.	X.O	151	64
4.	4 3/4 COLLAR	121	37.47
1.	JAR	121	5.14
12.	4 3/4 COLLAR	121	111.82
6.	H.W.D.P.	102	57.14
1.	X.O	102	26
	DP	STANDS	
121.	DP	SINGLES	1175.47
	KELLY DOWN		11.30
	TOTAL		1436.56
	WT. OF D.C	19	
	WT. OF STRING	41	

BIT RECORD

BIT NO.	5
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS55
SERIAL NO	SIN2426
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	1406
TOTAL DRILLED (m)	30
TOTAL HRS RUN	5.75

OUTING STRUCTURE	TI	TO	WDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/hr
									5.21

HOLE CONDITION

HOLE DRAG	1 UP DOWN
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: GEL/CHEM	WATER BASED X	OIL BASED	
TIME	1000	1400	1800
DENSITY (kg/m3)	1050	1050	1050
FUNNEL VISCOSITY	67	80	110
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GEL	90	SX
SODA ASH	5	SX
SAWDUST	10	SX
CAUSTIC	1	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	12	HRS RUN	0
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

CIRCULATION PRESSURE KPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
7150	140	120		

REDUCED PUMP SPEED: 2250 @ 68 @ 1406

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1406	1425	R	90	2
1425	1436	D	80	4

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE (F/T ANNULAR CL 12 SEC / OP 12 SEC)
815	830	0.25	21	SAFETY MEETING (TRIPPING)
830	1245	4.25	6	RIH WITH BIT/ 15 min F/C @ 0m,430m,703m,1406m /BRAKE CIRCULATION @730m
1245	1415	1.50	9	REAMING RAT HOLE FROM 1406m TO 1425m
1415	2000	5.75	2	DRILL ACTUAL FROM 1425m TO 1436m
2000				

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES,PINS,TONGS AND TONGS LINES
BOP AND MANIFOLD SET UP FLARE AND DEGASSER LINES
AIR HORN ,PIPES AND COLLER SLIPS,RIG AND ACCUMULATOR HYD LVL

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	MAN.
TRIPPING	43	8591

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
	CAMERON MACKAY

INJURIES	YES	NO

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		MAGELLA MAINGUY	12.00		MM
DERRICKHAND		ADAM OAKE	12.00		AO
MOTORHAND		JASON BICKERT	12.00		JB
FLOOR HAND		TYLER FINNEY	12.00		TF
FLOORHAND		CAMERON MACKAY	12.00		CM

EVENING TOUR — FROM 2000 TO 2400

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1.	BIT	O.D.	28
1.	BIT SUB	156	85
4.	6" DC	152	36.09
1.	X.O	151	64
4.	4 3/4 COLLAR	121	37.47
1.	JAR	121	5.14
12.	4 3/4 COLLAR	121	111.82
6.	H.W.D.P.	102	57.14
1.	X.O	102	26
	DP	STANDS	
123.	DP	SINGLES	1184.85
	KELLY DOWN		4.26
	TOTAL		1449.00
	WT. OF D.C	19	
	WT. OF STRING	41	

BIT RECORD

BIT NO.	5
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS55
SERIAL NO	SIN2426
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	1406
TOTAL DRILLED (m)	43
TOTAL HRS RUN	9.25

OUTING STRUCTURE	TI	TO	WDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/hr
									4.4

HOLE CONDITION

HOLE DRAG	1 UP 2 DOWN
TORQUE AT BOTTOM	0
FILL ON BOTTOM (m)	0

MUD RECORD

MUD TYPE: GEL/CHEM	WATER BASED X	OIL BASED	
TIME	2000	2200	2400
DENSITY (kg/m3)	1060	1060	1060
FUNNEL VISCOSITY	156	120	100
FLUID LOSS (cm3)	11	11	11
pH	11	9	11

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	1	SX
HUMALITE	4	SX
SODA ASH	1	SX
SAWDUST	10	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

1		2	
HRS RUN	4	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	680	STACK TEMP	

CIRCULATION PRESSURE KPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
6800	140	115		

REDUCED PUMP SPEED: 2800 @ 68 @ 1436

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1436	1449	D	80	5

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC OP 2 SEC)
2015	2030	0.25	21	SAFETY MEETING (HOUSE KEEPING)
2030	2400	3.50	2	DRILL ACTUAL FROM 1436m TO 1449m

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
SCPP GUAGE,AIR HORN,PVT FOR PROPER ACCURACY PIPE SLIPS
ACCUM CONTROLS AND HYD LEVEL

SPECIAL EVENT / TIME / DEPTH

SAFETY TOPIC	MEN.	MAN.
HOUSE KEEPING	42	8591

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT

CREW SAFETY DAYS	DRIVERS
	DARRELL IZZARD

INJURIES	YES	NO

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		DEAN PODOLSKI	4.00		DP
DERRICKHAND		NEIL HALFE	4.00		NH
MOTOR HAND		KIRK LYLYK	4.00		KL
FLOORHAND		VOYTO DURECH	4.00		VD
FLOORHAND		DARRELL IZZARD	4.00		DI

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION	UNIQUE ID
60: O3:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
MARK SEYMOUR	TYLER ELL

DAILY CHECKS

(1) Daily/Walk Around Inspection
(2) Detailed Inspection - Weekly (Using Check List)
(3) H2S Signs Posted If Required
(4) Well Licence & Sour Diagram Posted
(5) Flare Lines Staked
(6) BOP Drills Performed
(7) Visually Inspect BOPs / Flare Lines & Degasser Lines
(1) Rig Site Health & Safety Meeting (once/week/crew)
(2) CAODC Rig Safety Inspection Checklist (once/month)
(3) Mast Inspection before Raising or Lowering
(4) Crown Saver Checked
(5) Motor Kills Checked

	DFR	E.M.
MS	TE	
MS	TE	
MS	TE	
MS	TE	
MS	TE	
	TE	
	TE	
	TE	

YEAR	MONTH	DAY
2007	2	15

RIG NO: 129

FUEL @ 06:00 HRS	
RIG	BOILER
8500	1500

WEATHER	
TEMPERATURE	32
CURRENT CONDITIONS	CLOUD
WIND DIRECTION	WEST
ROAD CONDITION	ICE

LAST CASING TUBING OR LINER	OD (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	I. JNT O.D.	TYPE THREAD	NO of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPMMP	EMSCO	229
F-800		

SPUD DATE	2007/01/26
TIME	16 15
RIG RELEASE	2007/02/16
TIME	11 59
WELL TYPE	VERT
RE-ENTRY	NO
OPERATOR'S AFE	07N710028
REQ'D BY/MO	33
DP FUEL	
CONTRACTOR'S JOB NUM.	749
TOUR SHEET SERIAL NUM.	PREC129_20070215_1C
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2

PASON DATAHUB

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
	RIG UP & TEAR DOWN	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.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING					
MORN					1.0	3.5	0.25			0.25	2.75										0.25					
DAY					1.25	5.25	0.25				5.0										0.25					
EVE						3.5	0.25														0.25					
TOTAL					2.25	12.25	0.75			0.25	7.75										0.75					

TOTALS	
8.00	
12.00	
4.00	
24.00	

SPARE SHAKER SCREENS							
NO.	TYPE	TYPE					
1	BRANDT	IT38 LOADER					
SCREENS CHANGED	NO	NEW USED	USED	CREW VEHICLE			
TOP	180	TOP	89				
MIDDLE	180	MIDDLE					
BOTTOM	89	BOTTOM					

PERSONNEL/SERVICES	MORN	DAY	EVE

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	15

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	56

MORNING TOUR

FROM	0	TO	800

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		DEAN PODOLSKI	8.00		DP
DERRICKHAND		NEIL HALFE	8.00		NH
MOTOR HAND		KIRK LYLYK	8.00		KL
FLOORHAND		VOYTO DURECH	8.00		VD
FLOORHAND		DARRELL IZZARD	8.00		DI
RIG MANAGER		TYLER ELL	1.00	DAY	TE

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT
CREW SAFETY DAYS		DRIVERS	DARRELL IZZARD			

DAY TOUR

FROM	800	TO	2000

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		MAGELLA MAINGUY	12.00		MM
DERRICKHAND		ADAM OAKE	12.00		AO
MOTORHAND		JASON BICKERT	12.00		JB
FLOOR HAND		TYLER FINNEY	12.00		TF
FLOORHAND		CAMERON MACKAY	12.00		CM

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT
CREW SAFETY DAYS		DRIVERS	CAMERON MACKAY			

EVENING TOUR

FROM	2000	TO	2400

CREW	SOC INS. NO.	NAME	HRS	YES	NO
DRILLER		DEAN PODOLSKI	4.00		DP
DERRICKHAND		NEIL HALFE	4.00		NH
MOTOR HAND		KIRK LYLYK	4.00		KL
FLOORHAND		VOYTO DURECH	4.00		VD
FLOORHAND		DARRELL IZZARD	4.00		DI

INJURIES

RATE SCHEDULE	X	REGULAR		REPAIR		INVERT
CREW SAFETY DAYS		DRIVERS	DARRELL IZZARD			

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	28
1	BIT SUB	156	95
4	6" DC	152	36.09
1	X O	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	121	5.14
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X O	102	26
	DP	STANDS	
123	DP	SINGLES	1194.95
KELLY DOWN			11.30
TOTAL			1456.04
WT. OF D.C		19	
WT. OF STRING		41	

BIT RECORD

BIT NO	5
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	MKS55
SERIAL NO	SIN2426
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	1406
TOTAL DRILLED (m)	43
TOTAL HRS RUN	9.25

CUTTING STRUCTURE: TI | TO | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN HUNR

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

MUD RECORD

MUD TYPE: GEL/CHEM | WATER BASED: X | OIL BASED:

TIME	100	400	800
DENSITY (kg/m3)	1060	1060	1060
FUNNEL VISCOSITY	95	95	95
FLUID LOSS (cm3)	11	11	11
pH	11	11	11

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
SODA ASH	1	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1		2
HRS RUN	8	HRS RUN	0
BOILER pH	11	BOILER pH	
STACK TEMP	680	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
4200	140	90		

REDUCED PUMP SPEED: 1800 @ 68 @ 1449

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1449	1	

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	DR-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	100	1.00	5	CONDITION MUD & CIRCULATE
100	115	0.25	10	DEVIATION SURVEY @ 1449m
115	130	0.25	7	RIG SERVICE (F/T ANNULAR CL 13 SEC OP 12 SEC)
130	500	3.50	5	POOH TO LOG (F/C @ 1449m,1377m,724m,430m,0m)
500	515	0.25	21	SAFETY MEETING (LOGGING)
515	800	2.75	11	WIRELINE LOGS
800				
				FUNCTION BLIND RAMS CL 2 SEC OP SEC
				BLEWDOWN BOILER 2 TIMES

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
SDPP GUAGE AND MANIFOLD SET UP,AIR HORN,PVT FOR PROPER ACCURACY

SPECIAL EVENT			SAFETY TOPIC	MEH.	MACP
TIME / DEPTH			TRIPPING	42	8549

DAY TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	28
1	BIT SUB	156	95
4	6" DC	152	36.09
1	X O	151	64
4	4 3/4 COLLAR	121	37.47
1	JAR	121	5.14
12	4 3/4 COLLAR	121	111.82
6	H.W.D.P	102	57.14
1	X O	102	26
	DP	STANDS	
123	DP	SINGLES	1194.95
KELLY DOWN			4.26
TOTAL			1449.00
WT. OF D.C		19	
WT. OF STRING		41	

BIT RECORD

BIT NO	RERUN
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	ETD2G
SERIAL NO	163153
JETS	3X 25.5
DEPTH OUT (m)	
DEPTH IN (m)	1449
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | TO | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN HUNR

HOLE CONDITION
HOLE DRAG: 1 UP 1 DOWN
TORQUE AT BOTTOM: 0
TILL ON BOTTOM (m): 0

MUD RECORD

MUD TYPE: GEL/CHEM | WATER BASED: X | OIL BASED:

TIME	1000	1400	1800
DENSITY (kg/m3)	1060	1060	1060
FUNNEL VISCOSITY	95	95	95
FLUID LOSS (cm3)	11	11	11
pH	11	11	11

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI
BARITE	15	SX

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1		2
HRS RUN	12	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	580	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
4920	140	90		

REDUCED PUMP SPEED: 2120 @ 68 @ 1449

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED

FROM	TO	DR-C	RPM	WOB
0				

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE (F/T PIPE RAMS CL 2 SEC / OP 2 SEC)
815	830	0.25	21	SAFETY MEETING (LOGGING)
830	1330	5.00	11	WIRELINE LOGS
1330	1645	3.25	6	RIH WITH RERUN BIT,F/C @ 0m,430m,724m
1645	1800	1.25	5	CONDITION MUD & CIRCULATE
1800	2000	2.00	6	POOH LAYDOWN DRILL STINGS,15min F/C @1449m,1377m,724m,430m,0m
2000				
				LOGS TOOLS MAI,MSS,MPD,MDN,MGS,MML,MFE,MTC,MCG
				BLOWKELLY 5 X
				BLOWBOILER 3 X

NOTES: CHECKED CROWN SAVER BRAKE LINKAGES,PINS,TONGS AND TONGS LINES
AIR HORN,BOP AND MANIFOLD SET UP FLARE AND DEGASSER LINES

SPECIAL EVENT	LOGS BOTTOM		SAFETY TOPIC	MEH.	MACP
TIME / DEPTH	830	1449.5	LOGGING	42	8549

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	DP	STANDS	
	DP	SINGLES	
KELLY DOWN			
TOTAL			
WT. OF D.C			
WT. OF STRING			

BIT RECORD

BIT NO	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | TO | WDC | LOC | SRG | GAGE | ODC | REASON PULLED | TOTAL RUN HUNR

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

MUD RECORD

MUD TYPE: GEL/CHEM | WATER BASED: X | OIL BASED:

TIME	2000	2200	2400
DENSITY (kg/m3)	1060	1060	1060
FUNNEL VISCOSITY	95	95	95
FLUID LOSS (cm3)	11	11	11
pH	11	11	11

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNI

SOLIDS CONTROL — CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
0			

BOILERS

	1		2
HRS RUN	4	HRS RUN	0
BOILER pH	12	BOILER pH	
STACK TEMP	725	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
4920	140	90		

REDUCED PUMP SPEED: 2120 @ 68 @ 1449

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED

FROM	TO	DR-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	7	RIG SERVICE (F/T ANNULAR CL 13 SEC OP 12 SEC)
2015	2345	3.50	6	LDDS (F/C @ 1449m,1377m,724m,430m 0m
2345	2400	0.25	21	SAFETY MEETING WITH TONG HAND AND CREW
				FUNCTION BLIND RAMS WHILE OUT OF HOLE
				CLOSE 2 SEC,OPEN 2 SEC
				BLEWDOWN BOILER 3 TIMES

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS AND LINES
AIR HORN,PVT FOR PROPER ACCURACY,MANIFOLD SET UP

SPECIAL EVENT			SAFETY TOPIC	MEH.	MACP
TIME / DEPTH			LAYING DOWN PIPE	42	8591

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04
OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	UNIQUE ID
60:03:31.30 N 117:30:47.80 W	100/60 3 31.3 N--117 30 47.8 W
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
Neil Rundell	TYLER ELL

DAILY CHECKS

	DRILL	T.M.
(1) Daily Walk Around Inspection	NR	TE
(2) Detailed Inspection - Weekly (Using Check List)	NR	TE
(3) H2S Signs Posted if Required	NR	TE
(4) Well Licence & Slick Diagram Posted		
(5) Flare Lines Staked		
(6) BOP Drills Performed		
(7) Visually Inspect BOPs - Flare Lines & Degasser Lines	NR	TE
(1) Rig Site Health & Safety Meeting (once/week/crew)		TE
(2) CAODC Rig Safet Inspection Checklist (once/month)		TE
(3) Mast Inspection before Raising or Lowering		TE
(4) Crown Saver Checked		TE
(5) Motor Kills Checked		TE

YEAR	MONTH	DAY
2007	2	16

RIG NO 129

FUEL @ 65.00 HRS

RIG	BOILER
3900	1000

TEMPERATURE	
-21	
CURRENT CONDITIONS	
CLOUD	
WIND DIRECTION	
CALM	
ROAD CONDITION	
ICE	

LAST CASING TUBING OR LINER	O.D (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430
	139.7	125.73	23.07	IPSCO	J55	109	1450.48	4	1449

DC/DP	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	JOINT O.D.	TYPE THREAD	NO. of JOINTS
DC	152	122	STD	58	150	4" H90	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
BPM/MP	EMSCO	229
F-800		

SPUD DATE	2007/01/26
TIME	16 15
RIG RELEASE	2007/02/16
TIME	11 59
WELL TYPE	VERT
REENTRY	NO
OPERATOR'S AFE	07N710028
KELLY BUSHING	33
DF FUEL	
CONTRACTOR'S JOB NUM	749
TOUR SHEET SERIAL NUM	PREC129_20070216_1C
VENDOR SOFTWARE VERSION	EDR 3-2-4 ETS 2.2

CAODC

PASON DATAHUB

CODE NO	1 RIG UP & TE ARDOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR KIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 SR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN					1.25							6.5									0.25						8.00
DAY	3.5				0.75		0.25					3.0		3.75							0.75						12.00
EVE	3.75																				0.25						4.00
TOTAL	7.25				2.00		0.25					9.50		3.75							1.25						24.00

SHALE SHAKER(S)			RENTALS / SERVICES	MORN	DAY	EVE
NO	TYPE BRANDT	TYPE	IT38 LOADER			
SCREENS CHANGED	NO	NEW USED	USED CREW VEHICLE			
TOP 180	TOP 89	TOP				
MIDDLE 180	MIDDLE	MIDDLE				
BOTTOM 89	BOTTOM	BOTTOM				

DRILLING CREW PAYROLL DATA

WELL NAME & NO	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	16

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC

RIG MANAGER	RIG NO
TYLER ELL	129

PROVINCE	CAMP	RIG SAFETY DAYS
N.W.T.	X YES / NO	67

NO.	DRILLING ASSEMBLY (AS RUN IN HOLE)	LENGTH
	BIT	O.D.
	DP	STANDS
	DP	SINGLES
	KELLY DOWN	
	TOTAL	
	WT. OF D.C.	
	WT. OF STRING	

BIT RECORD

BIT NO	
SIZE	
IADC CODE	
MANUFACTURER	
TYPE	
SERIAL NO	
JETS	
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE: TI | TO | WDC | LOC | BRG | GAGE | ODC | REASON PULLED | TOTAL RUN HRS

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

MORNING TOUR

MUD TYPE: GEL/CHEM — WATER BASED [X] OIL BASED [ ]

TIME	200	400	600
DENSITY (kg/m3)	1160	1160	1160
FUNNEL VISCOSITY	90	90	90
FLUID LOSS (cm3)	11	11	11
pH	11	11	11

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNI

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1: HRS RUN 8, BOILER pH 12, STACK TEMP 680 — 2: HRS RUN 0, BOILER pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
2200	140	110		

REDUCED PUMP SPEED: 1100 @ 68 @ 1449

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED: FROM | TO | D.R.C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	21	SAFETY MEETING(RUNNING PRODUCTION CASING)
15	30	0.25	12	RIG UP TONG HAND(TOTAL DEPTH)
30	645	6.25	12	RUN CASING WITH TOTAL DEPTH POWER TONGS
645	800	1.25	5	CIRC PRODUCTION CASING
				BLEWDOWN BOILER 2 TIMES
				F/T BLIND RAMS WHILE OUT OF HOLE
				CLOSE 2 SEC OPEN 2 SEC
				ELEVATOR INFO SIN # TDPT-160
				FILE # 55525-E

NOTES: CHECKED CROWN SAVER,BRAKE LINKAGES AND PINS,TONGS
TUGGER LINE AND HOOK,MANIFOLD SET UP,AIR HORN

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP: HOUSE KEEPING | 25 | 8591

MORNING TOUR	FROM 0	TO 800		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		DEAN PODOLSKI	8.00	DP
DERRICKHAND		NEIL HALFE	8.00	NH
MOTOR HAND		KIRK LYLYK	8.00	KL
FLOORHAND		VOYTO DURECH	8.00	VD
FLOORHAND		DARRELL IZZARD	8.00	DI
RIG MANAGER		TYLER ELL	1.00 DAY	TE

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS — DRIVERS: DARRELL IZZARD

DAY TOUR

MUD TYPE: GEL/CHEM — WATER BASED [X] OIL BASED [ ]

TIME	1000	1400	1800
DENSITY (kg/m3)	1050	1050	1050
FUNNEL VISCOSITY	50	50	50
FLUID LOSS (cm3)			
pH	10	10	10

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNI — CALCIUM NITRATE 8; ALCAPAN 1130 1.5

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1: HRS RUN 12, BOILER pH 12, STACK TEMP 590 — 2: HRS RUN 0, BOILER pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
2100	140	96		

REDUCED PUMP SPEED: 850 @ 68 @ 1449

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: MAGELLA MAINGUY

METRES DRILLED: FROM | TO | D.R.C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	7	RIG SERVICE(F/C PIPE RAMS CL 2 SEC / OP 2 SEC)
815	830	0.25	21	SAFETY MEETING (CEMENTING)
830	915	0.75	5	CONDITION MUD & CIRCULATE
915	930	0.25	21	SAFETY MEETING WITH SANJEL
930	1230	3.00	12	CEMENTING 2 STAGE CEMENT JOB WITH PACKER TOOL
1230	1245	0.25	21	SAFETY MEETING NIPPLE DOWN
1245	1630	3.75	14	NIPPLE DOWN B.O.P SET CASING SLIP, CUT CASING
1630	2000	3.50	1	TEAR DOWN RIG EQUIPMENT
2000				RAN 109 JOINTS, 1450.48 METERS OF 139.7MM, 23.07 KG/M NEW
				IPSCO J55 LTC PRODUCTION CASING. LANDED AT 1449 KMB.
				TWO STAGE CEMENT JOB WITH PACKER SET AT 566 MKB
				STAGE ONE, CEMENTED W/6 TONNES LEAD, THIXLITE + 1% SMS
				TAIL, 13 TONNES EXPANDOMIX LWL + 1% CFL-3 + 2% LTR + 2%
				SPC-II, PLUG DOWN 11 14 WITH 2 M3 SCAVANGER CEMENT

NOTES: CHECKED CROWN,BRAKE LINKAGES,PINS,TONGS AND TONGS LINES
MOTOR KILL,AIR HORN,BOP AND MANIFOLD SET UP,FLARE AND DEGASSER LINES

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP: CEMENTING | 30 | 8591

DAY TOUR	FROM 800	TO 2000		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		MAGELLA MAINGUY	12.00	MM
DERRICKHAND		ADAM OAKE	12.00	AO
MOTORHAND		JASON BICKERT	12.00	JB
FLOOR HAND		TYLER FINNEY	12.00	TF
FLOORHAND		CAMERON MACKAY	12.00	CM

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS — DRIVERS: CAMERON MACKAY

EVENING TOUR

MUD TYPE: — WATER BASED [ ] OIL BASED [ ]

TIME			
DENSITY (kg/m3)			
FUNNEL VISCOSITY			
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED: PRODUCT | AMOUNT | UNI

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN | INTAKE DENSITY (kg/m3) | OVER FLOW DENSITY | UNDER FLOW DENSITY

BOILERS: 1: HRS RUN 4, BOILER pH 11, STACK TEMP 680 — 2: HRS RUN 0, BOILER pH, STACK TEMP

CIRCULATION PRESSURE kPa	PUMP NO. 1 UNER SIZE	SPM	PUMP NO. 2 UNER SIZE	SPM
	140			

REDUCED PUMP SPEED: @ @

DEVIATION SURVEYS: DEPTH (m) | DEVIATION | DIRECTION

DRILLER SIGNATURE: DEAN PODOLSKI

METRES DRILLED: FROM | TO | D.R.C | RPM | WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	21	SAFETY MEETING (EXTREAM COLD WEATHER CONDITIONS)
2015	2400	3.75	1	TEAR OUT DRILLING EQUIPTMENT AND PREP RIG FOR MOVE
2400				
				SECOND STAGE, CEMENTED WITH 11 TONNES THIXLITE + 1%
				SMS PLUG DOWN 12.35 WITH NO CEMENT RETURNS (LOSSES
				THREW OUT) ANNULAS DROPS 3 M BELOW GROUND LEVEL
				THAN REMAINS STATIC
				RIG RELEASED 23 59 FEB 16/07

NOTES: CHECKED BRAKE LINKAGES AND PINS
ALL OVER HEAD HOISTING EQUIPTMENT PRIOR TO LOWERING TOP SECTION
CHECKED WELL HEAD

SPECIAL EVENT | TIME / DEPTH | SAFETY TOPIC | MEHL | MACP: FROST BITE IN WINTER | 0 | 0

EVENING TOUR	FROM 2000	TO 2400		INJURIES
CREW	SOC INS. NO.	NAME	HRS	YES / NO
DRILLER		DEAN PODOLSKI	4.00	DP
DERRICKHAND		NEIL HALFE	4.00	NH
MOTOR HAND		KIRK LYLYK	4.00	KL
FLOORHAND		VOYTO DURECH	4.00	VD
FLOORHAND		DARRELL IZZARD	4.00	DI

RATE SCHEDULE: X REGULAR | REPAIR | INVERT

CREW SAFETY DAYS — DRIVERS: DARRELL IZZARD

LICENCE NO	WELL NAME & NO
1159	Para Et Al Cameron J-04

OPERATOR: PARAMOUNT RESOURCES LTD.

CONTRACTOR NAME: PRECISION DRILLING, DIV OF PDC

SURFACE LOCATION: 60 : 03:31.30 N 117:30:47.80 W

UNIQUE ID: 100/60 3 31.3 N--117 30 47.8 W

SIGNATURE: OF OPERATOR'S REPRESENTATIVE

SIGNATURE OF CONTRACTOR'S RIG MANAGER

DAILY CHECKS

		OPER.	T.M.
(1)	Daily Walk Around Inspection		
(2)	Detailed Inspection - Weekly (Using Check List)		
(3)	H2S Signs Posted if Required		
(4)	Well Licence & Stick Diagram Posted		
(5)	Flare Lines Staked		
(6)	BOP Drills Performed		
(7)	Visually Inspect BOPs, Flare Lines & Degasser Lines		
(1)	Rig Site Health & Safety Meeting (once/month with)		
(2)	CAODC Rig Safety Inspection Checklist (once/quarter)		
(3)	Mast Inspection before Raising or Lowering		
(4)	Crown Saver Checked		
(5)	Motor Kills Checked		

YEAR	MONTH	DAY
2007	2	17

RIG NO: 129

FUEL @ 07:00 HRS.

KHO	BOILER
3900	1000

WEATHER: TEMPERATURE 25; CURRENT CONDITIONS COLD; WIND DIRECTION CALM; ROAD CONDITION ICE

LAST CASING TUBING OR LINER	O.D. (mm)	MIN ID (mm)	MASS (kg/m)	MAKE	GRADE	NO of JOINTS	TOTAL LENGTH	KBTO CSG HEAD	SET AT (m)
	219.1	205.9	35.72	IPSCO	J55	32	431.11	4	430
	139.7	125.73	23.07	IPSCO	J55	109	1450.48	4	1449

	DC/DP SIZE	MASS	GRADE	MINIMUM I.D.	1 JNT O.D.	1 TYPE THREAD	NO of JOINTS
DC/DP	152	122	STD	58	150	4" HSO	4
DC	121	69.5		57	123	3" 1/2 IF	16
DP	101	21.4	E	66	127	4" FH	154

SPUD DATE	2007/01/26
TIME	16 15
RIG RELEASE	2007/02/16
TIME	11 59
WELL TYPE	VERT
REENTRY	NO
OPERATOR'S AFE	07N710028
KELLY BSHG	33
DP FUEL	
CONTRACTOR'S JOB NUM.	749
TOUR SHEET SERIAL NUM.	PREC129_20070217_1B
VENDOR SOFTWARE VERSION	EDR 3-2-4 HF2 ETS 2.2

CAODC

PASON DATAHUB

CODE NO	1 REASUR & TIE-IN/DOWN	2 DRILL ACTUAL	3 REAMING	4 CORING	5 COND MUD & CIRC	6 TRIPS	7 RIG SERVICE	8 REPAIR RIG	9 CUT OFF DRILL LINE	10 DEV SURVEY	11 WIRELINE LOGS	12 RUN CSG & CEMENT	13 WAIT ON CEMENT	14 NIPPLE UP B.O.P.	15 TEST B.O.P.	16 DRILLSTEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR WORK	21 SAFETY MEETING	22	23	24	25	26	27
TIME SPENT MORN																											
DAY																											
EVE																											
TOTAL																											

SHALE SHAKERS			RENTALS / SERVICES	MORN	DAY	EVE
NO	TYPE					
1	BRANDT	TYPE	IT38 LOADER			
SCREENS CHANGED		NEW USED	CREW VEHICLE			
TOP		TOP				
180	89					
180	MIDDLE	MIDDLE				
89	BOTTOM	BOTTOM				

DRILLING CREW PAYROLL DATA

WELL NAME & NO.	YEAR	MONTH	DAY
Para Et Al Cameron J-04	2007	2	17

OPERATOR: PARAMOUNT RESOURCES LTD. CONTRACTOR NAME: PRECISION DRILLING, DIV OF PDC

RIG MANAGER: RIG NO: 129

PROVINCE: N.W.T. CAMP: YES [ ] NO [X] RIG SAFETY DAYS: 58

MORNING TOUR — FROM 0 TO 800

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO

RATE SCHEDULE: X REGULAR [ ] REPAIR [ ] INVERT

CREW SAFETY DAYS — DRIVERS: DARRELL IZZARD

DAY TOUR — FROM 800 TO 2000

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO

RATE SCHEDULE: [ ] REGULAR [ ] REPAIR [ ] INVERT

CREW SAFETY DAYS — DRIVERS:

EVENING TOUR — FROM 2000 TO 2400

CREW	SOC INS. NO.	NAME	HRS	INJURIES YES	INJURIES NO

RATE SCHEDULE: [ ] REGULAR [ ] REPAIR [ ] INVERT

CREW SAFETY DAYS — DRIVERS:

MORNING TOUR

NO.	DRILLING ASSEMBLY (AT START TOUR)	LENGTH
	BIT	O.D.
DP	STANDS	
DP	SINGLES	
KELLY DOWN		
TOTAL		
WT. OF D.C.		
WT. OF STRING		

BIT RECORD: BIT NO; SIZE; IADC CODE; MANUFACTURER; TYPE; SERIAL NO; JETS; DEPTH OUT (m); DEPTH IN (m); TOTAL DRILLED (m); TOTAL HRS RUN; CUTTING STRUCTURE (Ti, To, WDC, LOC, BRG, GAGE, ODC, REASON PULLED, TOTAL RUN HRS); HOLE CONDITION: HOLE DRAG; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE; WATER BASED [ ] OIL BASED [ ]; TIME; DENSITY (kg/m3); FUNNEL VISCOSITY; FLUID LOSS (cm3); pH

MUD MATERIALS ADDED: PRODUCT; AMOUNT; UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN; INTAKE DENSITY (kg/m3); OVER FLOW DENSITY; UNDER FLOW DENSITY

BOILERS: 1 HRS RUN; BOILER pH; STACK TEMP; 2 HRS RUN; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa; PUMP NO. 1 UNDER SIZE 140, SPM; PUMP NO. 2 UNDER SIZE, SPM

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m); DEVIATION; DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM; TO; D.R.C; RPM; WOB

TIME LOG: FROM; TO; ELAPSED TIME; CODE; DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NEW WELL

NOTES

SPECIAL EVENT; TIME / DEPTH; SAFETY TOPIC; MEN.; MACH. 0 0

DAY TOUR

NO.	DRILLING ASSEMBLY (AT START TOUR)	LENGTH
	BIT	O.D.
DP	STANDS	
DP	SINGLES	
KELLY DOWN		
TOTAL		
WT. OF D.C.		
WT. OF STRING		

BIT RECORD: BIT NO; SIZE; IADC CODE; MANUFACTURER; TYPE; SERIAL NO; JETS; DEPTH OUT (m); DEPTH IN (m); TOTAL DRILLED (m); TOTAL HRS RUN; CUTTING STRUCTURE (Ti, To, WDC, LOC, BRG, GAGE, ODC, REASON PULLED, TOTAL RUN HRS); HOLE CONDITION: HOLE DRAG; TORQUE AT BOTTOM; FILL ON BOTTOM (m)

MUD RECORD: MUD TYPE; WATER BASED [ ] OIL BASED [ ]; TIME; DENSITY (kg/m3); FUNNEL VISCOSITY; FLUID LOSS (cm3); pH

MUD MATERIALS ADDED: PRODUCT; AMOUNT; UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN; INTAKE DENSITY (kg/m3); OVER FLOW DENSITY; UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 12; BOILER pH; STACK TEMP; 2 HRS RUN 0; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa; PUMP NO. 1 UNDER SIZE 140, SPM; PUMP NO. 2 UNDER SIZE, SPM

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m); DEVIATION; DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM; TO; D.R.C; RPM; WOB

TIME LOG: FROM; TO; ELAPSED TIME; CODE; DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NEW WELL

NOTES

SPECIAL EVENT; TIME / DEPTH; SAFETY TOPIC; MEN.; MACH.

EVENING TOUR

NO.	DRILLING ASSEMBLY (AT START TOUR)	LENGTH
	BIT	O.D.
DP	STANDS	
DP	SINGLES	
KELLY DOWN		
TOTAL		
WT. OF D.C.		
WT. OF STRING		

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MUD MATERIALS ADDED: PRODUCT; AMOUNT; UNIT

SOLIDS CONTROL — CENTRIFUGE: HOURS RUN; INTAKE DENSITY (kg/m3); OVER FLOW DENSITY; UNDER FLOW DENSITY

BOILERS: 1 HRS RUN 4; BOILER pH; STACK TEMP; 2 HRS RUN 0; BOILER pH; STACK TEMP

CIRCULATION PRESSURE kPa; PUMP NO. 1 UNDER SIZE 140, SPM; PUMP NO. 2 UNDER SIZE, SPM

REDUCED PUMP SPEED @ @

DEVIATION SURVEYS: DEPTH (m); DEVIATION; DIRECTION

DRILLER SIGNATURE

METRES DRILLED: FROM; TO; D.R.C; RPM; WOB

TIME LOG: FROM; TO; ELAPSED TIME; CODE; DETAILS OF OPERATIONS IN SEQUENCE & REMARKS

NEW WELL

NOTES

SPECIAL EVENT; TIME / DEPTH; SAFETY TOPIC; MEN.; MACH.