MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

DAILY CHECKS	OPR	R.M.
(1.) Daily Walk Around Inspection	BN	DC
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted	BN	DC
(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 Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering	DC	
(4.) Crown Saver Checked	DC	
(5.) Motor Kills Checked		

YEAR	MONTH	DAY
2007	1	26

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
55	

WEATHER
TEMPERATURE: 20
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.E.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070126_2D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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
TIME-HRS	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																											
DAY	8.0																										8.00
EVE	2.0																					2.0					4.00
TOTAL	10.00																					2.00					12.00

SHALE SHAKER(S)		
NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	84	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P.	STANDS	
	D.P.	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	Te	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MORNING TOUR

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

BOILERS

1		2	
HRS RUN	8	HRS RUN	
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

TIME LOG

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

NOTES :

SPECIAL EVENT		
TIME / DEPTH		

		SAFETY TOPIC	MEHL	MACP

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

DAILY CHECKS	OPR	R.M.
(1.) Daily Walk Around Inspection	BN	DC
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted	BN	DC
(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 Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering	DC	
(4.) Crown Saver Checked	DC	
(5.) Motor Kills Checked		

YEAR	MONTH	DAY
2007	1	26

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
55	

WEATHER
TEMPERATURE: -20
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.E.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070126_2D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS	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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN																											
DAY	8.0																										8.00
EVE	2.0																					2.0					4.00
TOTAL	10.00																					2.00					12.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	84	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
	D.P.	STANDS	
	D.P.	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	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

DAY TOUR

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

BOILERS

1		2	
HRS RUN	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
1200	2000	8.00	1	TEAR DOWN

NOTES :

SPECIAL EVENT	
TIME / DEPTH	

SAFETY TOPIC	MEHL	MACP

EVENING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

DAILY CHECKS	OPR	R.M.
(1.) Daily Walk Around Inspection	BN	DC
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted	BN	DC
(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 Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering	DC	
(4.) Crown Saver Checked	DC	
(5.) Motor Kills Checked		

YEAR	MONTH	DAY
2007	1	26

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
55	

WEATHER: TEMPERATURE -20; CURRENT CONDITIONS OVERCAST; WIND DIRECTION S.E.; ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP. FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070126_2D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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
TIME-HRS	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																											
DAY	8.0																										8.00
EVE	2.0																					2.0					4.00
TOTAL	10.00																					2.00					12.00

SHALE SHAKER(S)		
NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP		TOP
84		
MIDDLE		MIDDLE
BOTTOM		BOTTOM
84		

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P.	STANDS	
	D.P.	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	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2200	2.00	1	TEAR DOWN
2200	2400	2.00	22	WAIT ON DAYLIGHT TO MOVE

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	0	HRS RUN	
BOILER pH		BOILER pH	
STACK TEMP		STACK TEMP	

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE CROWLEY

SPECIAL EVENT		
TIME / DEPTH		

NOTES :

SAFETY TOPIC	MEHL	MACP

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

DAILY CHECKS	OPR BN	R.M. DC
(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/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		DC
(4.) Crown Saver Checked		DC
(5.) Motor Kills Checked		

YEAR	MONTH	DAY
2007	1	27

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
55	

WEATHER
TEMPERATURE: -12
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.E.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070127_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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
TIME - HRS	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	W.O.D.					
MORN																						8.0					8.00
DAY	12.0																										12.00
EVE	4.0																										4.00
TOTAL	16.00																					8.00					24.00

SHALE SHAKER(S)			RENTALS / SERVICES	MORN	DAY	EVE
NO.	TYPE	TYPE	CREW VEHICLE			
1	SWACO					
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
38						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
38						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P.	STANDS	
	D.P	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	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MORNING TOUR

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

BOILERS

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

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE CROWLEY

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	800	8.00	22	WAIT ON DAYLIGHT TO MOVE

NOTES :

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH						

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

DAILY CHECKS	OPR BN	R.M. DC
(1.) Daily Walk Around Inspection		
(2.) Detailed Inspection - Weekly (Using Check List)		
(3.) H2S Signs Posted if Required		
(4.) Well Licence & Stick Diagram Posted		
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(7.) Visually Inspect BOPs - Flare Lines & Degasser Lines		
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(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		DC
(4.) Crown Saver Checked		DC
(5.) Motor Kills Checked		

YEAR	MONTH	DAY
2007	1	27

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
55	

WEATHER

TEMPERATURE	CURRENT CONDITIONS	WIND DIRECTION	ROAD CONDITION
-12	OVERCAST	S.E.	SLIPPERY

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/ DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
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DP	102	23.38	SS/95	82	134	4FH	235

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F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070127_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS

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 DIR. WORK	21 SAFETY MEETING	22 W.O.D.	23	24	25	26	TOTALS
MORN																						8.0					8.00
DAY	12.0																										12.00
EVE	4.0																										4.00
TOTAL	16.00																					8.00					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
1	SWACO		CREW VEHICLE			
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
38						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
38						

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
	D.P.	STANDS	
	D.P.	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	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

DAY TOUR

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

BOILERS

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

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	2000	12.00	1	MOVE RIG AND RIG UP

NOTES :

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH					

EVENING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

DAILY CHECKS	OPR BN	R.M. DC
(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/crew/month)		
(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		
(3.) Mast Inspection before Raising or Lowering		DC
(4.) Crown Saver Checked		DC
(5.) Motor Kills Checked		

YEAR	MONTH	DAY
2007	1	27

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
55	

WEATHER: TEMPERATURE -12; CURRENT CONDITIONS OVERCAST; WIND DIRECTION S.E.; ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE		TIME	
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070127_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22 W.O.D.	23	24	25	26	TOTALS
TIME - HRS MORN																						8.0					8.00
DAY	12.0																										12.00
EVE	4.0																										4.00
TOTAL	16.00																					8.00					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	38	TOP
MIDDLE		MIDDLE
BOTTOM	38	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
	D.P.	STANDS	
	D.P.	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	Te	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

EVENING TOUR

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

BOILERS

1		2	
HRS RUN	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: JACK HUSTON

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2400	4.00	1	RIG UP SET UP RIG
				TRUCKS RELEASED 20:00HRS
				VISUALY INSPECT DERICK AND RAISE @ 23:30 HRS

NOTES :

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH						

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	28

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
55	

WEATHER
TEMPERATURE: -20
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.E.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070128_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS	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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN	7.0													1.0													8.00
DAY	6.0	5.0					0.25			0.5											0.25						12.00
EVE		2.75			0.75		0.25			0.25																	4.00
TOTAL	13.00	7.75			0.75		0.50			0.75				1.00							0.25						24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	84	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P.	STANDS	
	D.P.	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	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MORNING TOUR

MUD RECORD

MUD TYPE: WATER BASED ☐ OIL BASED ☐

TIME	0600		
DENSITY (kg/m3)	1000		
FUNNEL VISCOSITY	28		
FLUID LOSS (cm3)			
pH			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
SODA ASH	6	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	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: JACK HUSTON

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	700	7.00	1	RIG UP ELECTRICAL LINES, PRE -FABS, FLOOR, KELLY
700	800	1.00	14	NIPPLE UP DIVERTER

NOTES :

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH						

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	28

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
55	

WEATHER

TEMPERATURE: -20

CURRENT CONDITIONS: OVERCAST

WIND DIRECTION: S.E.

ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070128_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN	7.0													1.0													8.00
DAY	6.0	5.0					0.25			0.5											0.25						12.00
EVE		2.75			0.75		0.25			0.25																	4.00
TOTAL	13.00	7.75			0.75		0.50			0.75				1.00							0.25						24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	84	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.33
1	BIT SUB	223	1.1
2	9 IN. DC	222	18.53
1	BELL SUB	199	.95
1	X/O	163	.67
4	D.C.	162	37.48
	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		12.94
	TOTAL		72.00
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	1		
SIZE	311		
IADC CODE			
MANUFACTURER			
TYPE	MX1		
SERIAL NO.	680091		
JETS	3X	12.7	
DEPTH OUT (m)			
DEPTH IN (m)	13		
TOTAL DRILLED (m)	59		
TOTAL HRS RUN	5		

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

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

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
SODA ASH	4	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	
BOILER pH	10.5	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
13	72	D	160	3

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
4000	152	110	152	110

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
24	1	
53	.4	

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1400	6.00	1	RIG UP DIVERTER RUN LINE OUT TO FLARE STACK
1400	1415	0.25	21	SAFETY MEETING PRE SPUD
1415	1430	0.25	7	RIG SERVICE FUNCTIOON TEST ANNULAR 12 SECS TO CLOSE FUNCTION HCR, MOTOR KILLS
1430	1700	2.50	2	DRILL F/ 13 TO 34
1700	1715	0.25	10	DEVIATION SURVEY
1715	1900	1.75	2	DRILL F/34 TO 63
1900	1915	0.25	10	DEVIATION SURVEY
1915	2000	0.75	2	DRILL F/63 TO 72

NOTES : FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SPECIAL EVENT			
TIME / DEPTH			

SAFETY TOPIC	MEHL	MACP
PRE SPUD	15	

EVENING

LICENCE NO.	WELL NAME & NO.
204	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	28

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
55	

WEATHER: TEMPERATURE -20; CURRENT CONDITIONS OVERCAST; WIND DIRECTION S.E.; ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070128_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME-HRS MORN	7.0													1.0													8.00
DAY	6.0	5.0					0.25			0.5											0.25						12.00
EVE		2.75			0.75		0.25			0.25																	4.00
TOTAL	13.00	7.75			0.75		0.50			0.75				1.00							0.25						24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	84	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.33
1	BIT SUB	223	1.1
2	9 IN. DC	222	18.53
1	BELL SUB	199	.95
1	X/O	163	.67
9	D.C.	162	84.47
	D.P.	STANDS	
	D.P.	SINGLES	
KELLY DOWN			13.04
TOTAL			119.09
WT. OF D.C.	18		
WT. OF STRING	18		

BIT RECORD

BIT NO.	1		
SIZE	311		
IADC CODE			
MANUFACTURER			
TYPE	MX1		
SERIAL NO.	680091		
JETS	3X	12.7	
DEPTH OUT (m)			
DEPTH IN (m)	13		
TOTAL DRILLED (m)	106		
TOTAL HRS RUN	7.75		

CUTTING STRUCTURE

TI	Te	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	1900	2200	2400
DENSITY (kg/m3)	1100	1190	1200
FUNNEL VISCOSITY	35	65	55
FLUID LOSS (cm3)			
pH		10	10
CAL		40	40

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
72	119	D		

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2045	0.75	5	MIX GEL-HIT GRAVEL AT 65m
2045	2230	1.75	2	DRILL 72 TO 91- GRAVEL FROM 65mTO 80m
2230	2245	0.25	10	DEVIATION SURVEY AT 78m
2245	2345	1.00	2	DRILL 91 TO 119
2345	2400	0.25	7	RIG SERVICE

NOTES : FUNCTION CROWN SAVER

VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
SAWDUST	8	SX
SODA ASH	4	SX
GEL	58	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	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
4800	152	90	152	90

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
78	.67	

DRILLER SIGNATURE: JACK HUSTON

SPECIAL EVENT		
TIME / DEPTH		

SAFETY TOPIC	MEHL	MACP
	40	

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	29

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
174	

WEATHER

TEMPERATURE: -11

CURRENT CONDITIONS: OVERCAST

WIND DIRECTION: S.W.

ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070129_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		6.5					0.25			1.25																	8.00
DAY		6.25				5.0	0.25			0.5																	12.00
EVE		3.0					0.5			0.5																	4.00
TOTAL		15.75				5.00	1.00			2.25																	24.00

SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
1	SWACO		CREW VEHICLE			
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
38						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
38						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.33
1	BIT SUB	223	1.1
2	9 IN. DC	222	18.53
1	BELL SUB	199	.95
1	X/O	163	.67
16	D.C.	162	150.24
1	X/O		.69
4	H.W.D.P.	101	37.53
	D.P.	STANDS	
	D.P.	SINGLES	
	KELLY DOWN		12.74
	TOTAL		222.78
	WT. OF D.C.	22	
	WT. OF STRING	24	

BIT RECORD

BIT NO.	1			
SIZE	311			
IADC CODE				
MANUFACTURER				
TYPE	MX1			
SERIAL NO.	680091			
JETS	3X	12.7		
DEPTH OUT (m)				
DEPTH IN (m)	13			
TOTAL DRILLED (m)	209			
TOTAL HRS RUN	14.25			

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MORNING TOUR / MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	0200	0400	0600
DENSITY (kg/m3)	1220	1220	1230
FUNNEL VISCOSITY	60	60	55
FLUID LOSS (cm3)	14	14	14
pH	9.5	9.5	9.5
CAL	40	40	40

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
SODA ASH	2	SX
SAWDUST	2	SX
DESCO	1	SX
DRILLING DETERGENT	1	PAILS

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	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
119		D	180	8

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8200	152	100	152	100

REDUCED PUMP SPEED

@ | @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
106	.69	
134	1.39	
162	.78	
191	1.41	

DRILLER SIGNATURE: JACK HUSTON

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	15	0.25	10	DEVIATION SURVEY AT 106M
15	145	1.50	2	DRILL 119 TO 147 / SAND FROM 120M TO 128M
145	200	0.25	10	DEVIATION SURVEY AT 134
200	400	2.00	2	DRILL 147 TO 175
400	415	0.25	10	DEVIATION SURVEY AT 162M
415	530	1.25	2	DRILL 175 TO 204
530	545	0.25	10	DEVIATION SURVEY AT 191M
545	600	0.25	7	RIG SERVICE
600	745	1.75	2	DRILL 204 TO 222
745	800	0.25	10	DEVIATION SURVEY AT 210

NOTES : FUNCTION CROWN SAVER

VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
SURVEYING	30	

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	29

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
174	

WEATHER
TEMPERATURE: -11
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070129_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME - HRS MORN		6.5					0.25			1.25																	8.00
DAY		6.25				5.0	0.25			0.5																	12.00
EVE		3.0					0.5			0.5																	4.00
TOTAL		15.75				5.00	1.00			2.25																	24.00

SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
1	SWACO		CREW VEHICLE			
SCREENS CHANGED		NEW/ USED				
TOP	38	TOP				
MIDDLE		MIDDLE				
BOTTOM	38	BOTTOM				

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.33
1	BIT SUB	223	1.1
2	9 IN. DC	222	18.53
1	BELL SUB	199	.95
1	X/O	163	.67
16	D.C.	162	150.24
1	X/O		.69
8	H.W.D.P.	101	74.77
2	D.P.	STANDS	37.60
1	D.P.	SINGLES	9.41
KELLY DOWN			12.74
TOTAL			307.03
WT. OF D.C.	22		
WT. OF STRING	26		

BIT RECORD

BIT NO.	2
SIZE	311
IADC CODE	
MANUFACTURER	
TYPE	MX1
SERIAL NO.	L93DM
JETS	3X 15.9
DEPTH OUT (m)	
DEPTH IN (m)	222
TOTAL DRILLED (m)	85
TOTAL HRS RUN	6.25

CUTTING STRUCTURE

Ti	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
3	2	WT	T	1	0	WT	DEV	

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	900	1200	1500
DENSITY (kg/m3)	1140	1140	1140
FUNNEL VISCOSITY	53	53	53
FLUID LOSS (cm3)			
pH	9	9	9

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
DESCO	1	SX
SAWDUST	12	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	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
222	307	D	160	7.5

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8000	152	110	152	110

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
238	.73	
266	1.07	

DRILLER SIGNATURE: DAVE D CROWLEY

SPECIAL EVENT

TIME / DEPTH

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	945	1.75	6	BIT TRIP
945	1000	0.25	7	RIG SERVICE FUNCTION ANNULAR 12 SECS TO CLOSE
1000	1130	1.50	2	DRILL F/222 TO 229 TRY TO UNBALL BIT
1130	1445	3.25	6	POOH BALLED UP BIT
1445	1630	1.75	2	DRILL f/229 to 250 - BIT BALLED UP TRY TO UNBALL
1630	1645	0.25	10	DEVIATION SURVEY AT 238
1645	1815	1.50	2	DRILL 250 TO 278
1815	1830	0.25	10	DEVIATION SURVEY AT 266M
1830	2000	1.50	2	DRILL 278 TO 307

NOTES : FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SAFETY TOPIC	MEHL	MACP
WEEKLY GOALS	35	

EVENING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	29

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
174	

WEATHER
TEMPERATURE -11
CURRENT CONDITIONS OVERCAST
WIND DIRECTION S.W.
ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070129_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME-HRS MORN		6.5					0.25			1.25																	8.00
DAY		6.25				5.0	0.25			0.5																	12.00
EVE		3.0					0.5			0.5																	4.00
TOTAL		15.75				5.00	1.00			2.25																	24.00

SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
1	SWACO		CREW VEHICLE			
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
38						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
38						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.33
1	BIT SUB	223	1.1
2	9 IN. DC	222	18.53
1	BELL SUB	199	.95
1	X/O	163	.67
16	D.C.	162	150.24
1	X/O		.69
8	H.W.D.P.	101	74.77
5	D.P.	STANDS	93.97
	D.P.	SINGLES	
KELLY DOWN			12.75
TOTAL			354.00
WT. OF D.C.	22		
WT. OF STRING	26		

BIT RECORD

BIT NO.	2
SIZE	311
IADC CODE	
MANUFACTURER	
TYPE	MX1
SERIAL NO.	L93DM
JETS	3X 15.9
DEPTH OUT (m)	
DEPTH IN (m)	222
TOTAL DRILLED (m)	132
TOTAL HRS RUN	9.25

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

EVENING TOUR

MUD RECORD

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

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
307	354	D	150	10

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	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8550	152	100	152	100

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
294	1.26	

DRILLER SIGNATURE

JACK HUSTON

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2015	0.25	10	DEVIATION SURVEY AT 294
2015	2200	1.75	2	DRILL 307 TO 325
2200	2215	0.25	10	DEVIATION SURVEY AT 313M
2215	2330	1.25	2	DRILL 325 TO 354
2330	0000	0.50	7	RIG SERVICE

NOTES : FUNCTION TEST CROWN SAVER

VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				WEEKLY GOALS	36	

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	30

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
112	

WEATHER
TEMPERATURE: -11
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	ipsco	j-55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070130_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME - HRS MORN		7.0					0.25			0.75																	8.00
DAY		0.75			2.0	6.25	0.25			0.25		2.25									0.25						12.00
EVE					3.0							0.75									0.25						4.00
TOTAL		7.75			5.00	6.25	0.50			1.00		3.00									0.50						24.00

SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
1	SWACO		CREW VEHICLE			
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
38						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
38						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.33
1	BIT SUB	223	1.1
2	9 IN. DC	222	18.53
1	BELL SUB	199	.95
1	X/O	163	.67
16	D.C.	162	150.24
1	X/O		.69
8	H.W.D.P.	101	74.77
8	D.P.	STANDS	150.36
	D.P.	SINGLES	
	KELLY DOWN		12.36
	TOTAL		410.00
	WT. OF D.C.	22	
	WT. OF STRING	28	

BIT RECORD

BIT NO.	2
SIZE	311
IADC CODE	
MANUFACTURER	
TYPE	MX1
SERIAL NO.	L93DM
JETS	3X 15.9
DEPTH OUT (m)	
DEPTH IN (m)	222
TOTAL DRILLED (m)	188
TOTAL HRS RUN	16.5

CUTTING STRUCTURE

Ti	Te	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE: WATER BASED [ ] OIL BASED [ ]

TIME	200	400	600
DENSITY (kg/m3)	1130	1130	1130
FUNNEL VISCOSITY	80	90	100
FLUID LOSS (cm3)			
pH	9	9	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
DESCO	2	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	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
354	410	D	150	10

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
5000	152	110	152	

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
344	.53	
372	.65	
402	.78	

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0015	0.25	10	DEVIATION SURVEY
0015	430	4.25	2	DRILL F/354 TO 382
430	445	0.25	10	DEVIATION SURVEY
445	730	2.75	2	DRILL F/382 TO 410
730	745	0.25	7	RIG SERVICE FUNCTION TEST ANNULAR 12 SECS TO CLOSE
745	800	0.25	10	DEVIATION SURVEY

NOTES : FUNCTION TEST CROWN SAVER
VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				39	

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	30

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
112	

WEATHER

TEMPERATURE: -11
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	ipsco	j-55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070130_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		7.0					0.25			0.75																	8.00
DAY		0.75			2.0	6.25	0.25			0.25		2.25									0.25						12.00
EVE					3.0							0.75									0.25						4.00
TOTAL		7.75			5.00	6.25	0.50			1.00		3.00									0.50						24.00

SHALE SHAKER(S)		
NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	38	TOP
MIDDLE		MIDDLE
BOTTOM	38	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.33
1	BIT SUB	223	1.1
1	BELL SUB	199	.95
1	X/O	163	.67
16	D.C.	162	150.77
1	X/O		.69
8	H.W.D.P.	101	74.77
10	D.P.	STANDS	188.32
1	D.P.	SINGLES	9.4
KELLY DOWN			8.5
TOTAL			435.50
WT. OF D.C.	22		
WT. OF STRING	28		

BIT RECORD

BIT NO.	2		
SIZE	311		
IADC CODE			
MANUFACTURER			
TYPE	MX1		
SERIAL NO.	L93DM		
JETS	3X	15.9	
DEPTH OUT (m)	435.5		
DEPTH IN (m)	222		
TOTAL DRILLED (m)	213.50		
TOTAL HRS RUN	17.25		

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
6	6	FC	A	2	1	WT	TD	12.37

HOLE CONDITION

HOLE DRAG
TORQUE AT BOTTOM
FILL ON BOTTOM (m)

DAY TOUR

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

BOILERS

1		2	
HRS RUN	12	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
410	435.5	D	180	10

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
6000	152	120	152	

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
426	.52	

DRILLER SIGNATURE: JACK HUSTON

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	830	0.50	2	DRILL 410 TO 429
830	845	0.25	5	CONDITION MUD & CIRCULATE
845	1315	4.50	6	POOH -LAY DOWN 222mm collars-RIH
1315	1430	1.25	5	CIRCULATE MUD RING
1430	1445	0.25	2	DRILL 429 TO 435.5
1445	1515	0.50	5	CIRC
1515	1530	0.25	10	DEVIATION SURVEY AT 426
1530	1545	0.25	7	RIG SERVICE
1545	1730	1.75	6	POOH
1730	1745	0.25	21	SAFETY MEETING WITH TONG HAND-ELEVATORS # 32607
1745	2000	2.25	12	RUN CASING

NOTES: FUNCTION CROWN SAVER
VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE
STRAP 430.10 / BOARD 429.57

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH						

EVENING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	30

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
112	

WEATHER
TEMPERATURE: -11
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	ipsco	j-55	33	436.16	.66	435.5

DC/ DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070130_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN		7.0					0.25			0.75																	8.00
DAY		0.75			2.0	6.25	0.25			0.25		2.25									0.25						12.00
EVE					3.0							0.75									0.25						4.00
TOTAL		7.75			5.00	6.25	0.50			1.00		3.00									0.50						24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	38	TOP
MIDDLE		MIDDLE
BOTTOM	38	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
	D.P.	STANDS	
	D.P.	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	TE	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

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

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 WITH TONG HAND
2015	2100	0.75	12	FINISH RUNNING CASING
2100	0000	3.00	5	CONDITION MUD & CIRCULATE (WAIT ON CEMENTERS)

NOTES : FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

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	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
1000	152	95	152	

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

SPECIAL EVENT		
TIME / DEPTH		

SAFETY TOPIC	MEHL	MACP

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	31

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
205	

WEATHER

TEMPERATURE: -11

CURRENT CONDITIONS: OVERCAST

WIND DIRECTION: S.W.

ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070131_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS	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 DIR. WORK	21 SAFETY MEETING	22 WELD BOWL	23 LAY DWN DIVERTER	24	25	26	TOTALS
MORN							0.25					1.75	4.0								0.25	0.75	1.0				8.00
DAY														6.0	5.0							1.0					12.00
EVE						2.25	0.25		0.25																	1.25	4.00
TOTAL						2.25	0.50		0.25			1.75	4.00	6.00	5.00						0.25	1.75	1.00			1.25	24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	38	TOP
MIDDLE		MIDDLE
BOTTOM	38	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
	D.P.	STANDS	
	D.P.	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	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

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

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
DESCO	2	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	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	015	0.25	21	SAFETY MEETING WITH CEMENTERS
015	200	1.75	12	CEMENT CASING .6 CASING STICK UP
200	600	4.00	13	WAIT ON CEMENT
600	700	1.00	23	LAY DWN DIVERTER
700	715	0.25	7	RIG SERVICE
715	800	0.75	22	WELD BOWL
				CEMENT THE SURFACE CASING WITH 31 TONNE OF 0-1-0 G + 1.5%
				CACL2. WE GOT BACK 5m3 OF GOOD CEMENT RETURN'S. PLUG DOWN AT 01:56 HRS
				JAN 31/07. BJN

NOTES : FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH					

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	31

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
205	

WEATHER
TEMPERATURE: -11
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

	DC/ DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DC	165	136	DC	57	165	41/2 XH	22
	DP	102	43.2	HWDP	72	134	4FH	8
	DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070131_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22 WELD BOWL	23 LAY DWN DIVERTER	24	25	26	TOTALS
TIME - HRS MORN							0.25					1.75	4.0								0.25	0.75	1.0				8.00
DAY														6.0	5.0							1.0					12.00
EVE						2.25	0.25		0.25																	1.25	4.00
TOTAL						2.25	0.50		0.25			1.75	4.00	6.00	5.00						0.25	1.75	1.00			1.25	24.00

SHALE SHAKER(S)			RENTALS / SERVICES	MORN	DAY	EVE
NO. 1	TYPE SWACO	TYPE	CREW VEHICLE			
SCREENS CHANGED		NEW/ USED				
TOP 38		TOP				
MIDDLE		MIDDLE				
BOTTOM 38		BOTTOM				

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P.	STANDS	
	D.P.	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	Te	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

DAY TOUR

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

BOILERS

1		2	
HRS RUN	12	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: JACK HUSTON

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	900	1.00	22	WELD ON BOWL
900	1500	6.00	14	NIPPLE UP B.O.P.
1500	2000	5.00	15	TEST B.O.P.-LOW 1500kpa(15mins)HIGH 10500kpa(15min)tTEST BLIND RAMS,HCR,
				ANNULAR,PIPE RAMS,ALL BOP VALVES ,INSIDE BOPS,STABBING VALVE,UPPER AND LOWER
				KELLY VALVE AND MANIFOLD VALVES
				FUNCTION MOTOR KILLS OK
				ACCUMULATOR CHECK START PRESS 20000 KPA, REMAINING PRESSURE 15000 KPA
				RECHARGE TIME 66 SECONDS. PRECHARGE 7000 KPA. N2 BOTTLES 15400,14700,14000

NOTES : FUNCTION CROWN SAVER

VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE

SPECIAL EVENT			SAFETY TOPIC	MEHL	MACP
TIME / DEPTH					

EVENING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	1	31

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
205	

WEATHER
TEMPERATURE -11
CURRENT CONDITIONS OVERCAST
WIND DIRECTION S.W.
ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070131_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DRILLS TEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 WELD BOWL	23 LAY DWN DIVERTER	24	25	26	TOTALS
TIME-HRS MORN							0.25					1.75	4.0								0.25	0.75	1.0				8.00
DAY														6.0	5.0							1.0					12.00
EVE						2.25	0.25		0.25																	1.25	4.00
TOTAL						2.25	0.50		0.25			1.75	4.00	6.00	5.00						0.25	1.75	1.00			1.25	24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	38	TOP
MIDDLE		MIDDLE
BOTTOM	38	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
8	H.W.D.P.		74.77
	D.P.	STANDS	
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		236.47
	WT. OF D.C.		
	WT. OF STRING		

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	
TOTAL DRILLED (m)	
TOTAL HRS RUN	

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

EVENING TOUR

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

BOILERS

1		2	
HRS RUN	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

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

REDUCED PUMP SPEED

@ @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE

DAVE D CROWLEY

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2115	1.25	26	GET BHA ID OD MEASURED AND ENTERED IN BOOK
2115	2330	2.25	6	MAKE UP BHA RUN IN
2330	2345	0.25	9	CUT OFF DRILLING LINE
2345	0000	0.25	7	RIG SERVICE FUNCTION PIPES 3 SECS TO CLOSE

NOTES :

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH						

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	1

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
170	

WEATHER: TEMPERATURE -11; CURRENT CONDITIONS OVERCAST; WIND DIRECTION S.W.; ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070201_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS

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 DIR. WORK	21 SAFETY MEETING	22 DRILL OUT	23 LEAK OFF	24	25 STEAM STAND	26 PIPE N 4	TOTALS
MORN		3.0			0.5	1.0	0.25		0.5	0.25												1.25	0.5		0.75		8.00
DAY		6.75			1.75		0.25			0.25													0.25	2.75			12.00
EVE		3.5					0.25			0.25																	4.00
TOTAL		13.25			2.25	1.00	0.75		0.50	0.75												1.25	0.75	2.75	0.75		24.00

SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
1	SWACO		CREW VEHICLE			
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
84						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
84						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	166	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
9	H.W.D.P.		74.77
15	D.P.	STANDS	282.4
	D.P.	SINGLES	
	KELLY DOWN		12.44
	TOTAL		532.00
	WT. OF D.C.		
	WT. OF STRING		27

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	422
TOTAL DRILLED (m)	110
TOTAL HRS RUN	4.25

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

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

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
ALKAPAM 1103D	6	SX
ENVIROFLOC	24	SX
DRILLING DETERGENT	1	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	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
435	532	D	90	5

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
5900	152	110	152	

REDUCED PUMP SPEED

1155	@	66	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	030	0.50	9	CUT OFF DRILLING LINE
030	130	1.00	6	FINISH RUNNING IN HOLE
130	215	0.75	25	STEAM 4 INCH VALVE AND ICE PLUG IN STAND PIPE
215	230	0.25	7	RIG SERVICE FUNCTION ANNULAR 12 SECS TO CLOSE
230	245	0.25	23	BOP DRILL 90 SECS TO SECURE WELL
245	400	1.25	22	DRILL OUT FLOAT AT 421.7M SHOE 435.5M DRILL TO 445.5M
400	430	0.50	5	CIRCULATE HOLE CLEAN
430	445	0.25	23	LEAK OFF TEST
445	700	2.25	2	DRILL F/445.TO 505
700	715	0.25	10	DEVIATION SURVEY
715	800	0.75	2	DRILL F/505 TO 532

NOTES: FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SPECIAL EVENT	
TIME / DEPTH	

SAFETY TOPIC	MEHL	MACP
BOP DRILL	30	3606

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	1

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
170	

WEATHER

TEMPERATURE	-11
CURRENT CONDITIONS	OVERCAST
WIND DIRECTION	S.W.
ROAD CONDITION	SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070201_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS

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 DIR. WORK	21 SAFETY MEETING	22 DRILL OUT	23 LEAK OFF	24	25 STEAM STAND	26 PIPE N 4	TOTALS
MORN		3.0			0.5	1.0	0.25		0.5	0.25												1.25	0.5		0.75		8.00
DAY		6.75			1.75		0.25			0.25													0.25	2.75			12.00
EVE		3.5					0.25			0.25																	4.00
TOTAL		13.25			2.25	1.00	0.75		0.50	0.75												1.25	0.75	2.75	0.75		24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	84	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	169	4.95
4	D.C.	165	37.53
1	X/O		.69
8	H.W.D.P.		74.77
22	D.P.	STANDS	413.95
	D.P.	SINGLES	
KELLY DOWN			3.54
TOTAL			654.65
WT. OF D.C.			
WT. OF STRING	31		

BIT RECORD

BIT NO.	1				
SIZE	200				
IADC CODE					
MANUFACTURER	VAREL				
TYPE	A06332				
SERIAL NO.	1763				
JETS	7X	9.5			
DEPTH OUT (m)					
DEPTH IN (m)	422				
TOTAL DRILLED (m)	232				
TOTAL HRS RUN	11.0				

CUTTING STRUCTURE

Ti	Te	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

DAY TOUR

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

BOILERS

1		2	
HRS RUN	12	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
4300	152	80	152	

REDUCED PUMP SPEED

1640	@	67	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
594	.43	

DRILLER SIGNATURE: JACK HUSTON

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
532	654	D	90	6

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	815	0.25	23	BOP DRILL -WELL SECURE IN 95 SECS.
815	1045	2.50	2	DRILL 532 TO 588
1045	1330	2.75	24	LOST CIRCULATION- WAIT FOR WATER
1330	1445	1.25	2	DRILL 588 TO 607
1445	1500	0.25	10	DEVIATION SURVEY AT 594
1500	1800	3.00	2	DRILL 607 TO 654
1800	1815	0.25	7	RIG SERVICE-FUNCTION PIPE RAMS -3SECS. TO CLOSE
1815	2000	1.75	5	CIRC-CLEAN FLOC TANK

NOTES : FUNCTION CROWN SAVER

VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE

SPECIAL EVENT			
TIME / DEPTH			

SAFETY TOPIC	MEHL	MACP
BOP DRILL	35	3606

EVENING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	1

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
170	

WEATHER

TEMPERATURE: -11

CURRENT CONDITIONS: OVERCAST

WIND DIRECTION: S.W.

ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070201_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS

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 DIR. WORK	21 SAFETY MEETING	22 DRILL OUT	23 LEAK OFF	24	25 STEAM STAND	26 PIPE N 4	TOTALS
	MORN		3.0			0.5	1.0	0.25		0.5	0.25												1.25	0.5		0.75		8.00
	DAY		6.75			1.75		0.25			0.25													0.25	2.75			12.00
	EVE		3.5					0.25			0.25																	4.00
	TOTAL		13.25			2.25	1.00	0.75		0.50	0.75												1.25	0.75	2.75	0.75		24.00

SHALE SHAKER(S)			RENTALS / SERVICES	MORN	DAY	EVE
NO.	TYPE	TYPE	CREW VEHICLE			
1	SWACO					
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
84						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
84						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
8	H.W.D.P.		74.77
26	D.P.	STANDS	489.18
	D.P.	SINGLES	
KELLY DOWN			8.66
TOTAL			735.00
WT. OF D.C.			
WT. OF STRING	33		

BIT RECORD

BIT NO.	1			
SIZE	200			
IADC CODE				
MANUFACTURER	VAREL			
TYPE	A06332			
SERIAL NO.	1763			
JETS	7X	9.5		
DEPTH OUT (m)				
DEPTH IN (m)	422			
TOTAL DRILLED (m)	313			
TOTAL HRS RUN	14.5			

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

EVENING TOUR

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

BOILERS

1		2	
HRS RUN	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	360	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
654	735	D	80	6

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
4570	152	80	152	

REDUCED PUMP SPEED

2727	@	65	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
692	.52	

DRILLER SIGNATURE

DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2200	2.00	2	DRILL F/ 654 TO 702
2200	2215	0.25	7	RIG SERVICE FUNCTION PASON CHOKE 30 SECS TO CLOSE
2215	2230	0.25	10	DEVIATION SURVEY
2230	0000	1.50	2	DRILL F/702 TO 735
				we lost a total of 96.4 m3 by the pason to drill from 588 -735mkb.
				there was total loss on the first 2 singles then we got partial returns.. we
				drilled with less than 1/2 a mud tank. incase the was hole trouble. bjn

NOTES : FUNCTION TEST CROWN SAVER

VISUALL INSPECTION ON TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SPECIAL EVENT			
TIME / DEPTH			

SAFETY TOPIC	MEHL	MACP
FROST BITE	36	3606

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	2

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
191	

WEATHER
TEMPERATURE: -20
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP. FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070202_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS	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 DIR. WORK	21 SAFETY MEETING	22 DRILL OUT	23 CEMENT PLUGS	24	25	26	TOTALS
MORN		0.25			2.0	5.5	0.25																				8.00
DAY					2.0	6.0	0.25					0.75	2.5								0.5						12.00
EVE						0.5	0.25															3.25					4.00
TOTAL		0.25			4.00	12.00	0.75					0.75	2.50								0.50	3.25					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	84	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
6	H.W.D.P.		74.77
26	D.P.	STANDS	489.18
	D.P.	SINGLES	
KELLY DOWN			12.66
TOTAL			739.00
WT. OF D.C.			
WT. OF STRING	33		

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	422
TOTAL DRILLED (m)	317
TOTAL HRS RUN	14.75

CUTTING STRUCTURE

Ti	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

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 RECORD

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
735	739	D	85	8

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	0015	0.25	2	DRILL F/ 735 TO 739
0015	100	0.75	5	CIRC UP SAMPLE
100	630	5.50	6	POOH RUN BACK IN WITH DP PICK UP 17 SINGLES
630	745	1.25	5	CIRCULATE
745	800	0.25	7	RIG SERVICE FUNCTION TEST BLIND RAMS WHEN OUT OF HOLE 3 SECS TO CLOSE

NOTES : FUNCTION TEST CROWN SAVER
VISUALLY INSPECT TONGS L;INES BRAKES PINS LINKAGE AND ANCHOR
78 SINGLES IN HOLE FOR CEMENT JOB 734.5MKB
TRIP SHEET CAL 4.73 ACT 11.5 DIFF 6.77 WELL TAKEING FLUID

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
ENVIROFLOC	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	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
5249	152	80	152	

REDUCED PUMP SPEED

3030	@	65	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

SPECIAL EVENT	
TIME / DEPTH	

SAFETY TOPIC	MEHL	MACP
TRIPPING	39	3606

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	2

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
191	

WEATHER
TEMPERATURE: -30
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070202_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS	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 DIR. WORK	21 SAFETY MEETING	22 DRILL OUT	23 CEMENT PLUGS	24	25	26	TOTALS
MORN		0.25			2.0	5.5	0.25																				8.00
DAY					2.0	6.0	0.25					0.75	2.5								0.5						12.00
EVE						0.5	0.25															3.25					4.00
TOTAL		0.25			4.00	12.00	0.75					0.75	2.50								0.50	3.25					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	84	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
8	H.W.D.P.		74.77
26	D.P. STANDS		489.18
	D.P. SINGLES		
	KELLY DOWN		12.66
	TOTAL		739.00
	WT. OF D.C.		
	WT. OF STRING		33

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	422
TOTAL DRILLED (m)	317
TOTAL HRS RUN	14.75

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR

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

BOILERS

1		2	
HRS RUN	12	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	360	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

CIRCULATION PRESSURE kPa

PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
152		152	

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: JACK HUSTON

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1000	2.00	5	CONDITION MUD & CIRCULATE PIPE IS AT 734 MKB
1000	1015	0.25	21	SAFETY MEETING WITH CEMENTERS
1015	1045	0.50	12	CEMENT PLUG # 1 WE PUMPED 7 TONNE RAS-II WITH 1%QSR. 192 M PLUG
1045	1100	0.25	6	POOH- 13 STANDS
1100	1330	2.50	13	WAIT ON CEMENT
1330	1345	0.25	6	RUN IN 5 STANDS AND TAGGED THE CEMENT AT 585 MKB, IT COULD HAVE BEEN @ 542
1345	1400	0.25	21	SAFETY MEETING WITH CEMENTERS
1400	1415	0.25	12	CEMENT PLUG # 2 WE PUMPED 3.5 TONNE RAS-II WITH 1% QSR GIVING US A 96 M PLUG
1415	1630	2.25	6	POOH-8 STDS.- LAY DOWN 20 SINGLES, RUN IN TO 536 (PLUG AT 536) MAX HEIGHT 487
1630	1645	0.25	7	RIG SERVICE-FUNCTION TEST ANNULAR -12SECS. TO CLOSE
1645	1800	1.25	6	POOH -LAY DOWN 28 SINGLES
1800	2000	2.00	6	RIH

NOTES: FUNCTION CROWN SAVER

VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH						3606

EVENING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	2

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
191	

WEATHER: TEMPERATURE -20; CURRENT CONDITIONS OVERCAST; WIND DIRECTION S.W.; ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070202_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DRILLS TEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22 DRILL OUT	23 CEMENT PLUGS	24	25	26	TOTALS
TIME - HRS MORN		0.25			2.0	5.5	0.25																				8.00
DAY					2.0	6.0	0.25					0.75	2.5								0.5						12.00
EVE						0.5	0.25															3.25					4.00
TOTAL		0.25			4.00	12.00	0.75					0.75	2.50								0.50	3.25					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED	NEW/ USED	
TOP 84	TOP	
MIDDLE	MIDDLE	
BOTTOM 84	BOTTOM	

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
6	H.W.D.P.		74.77
22	D.P.	STANDS	414.4
	D.P.	SINGLES	
KELLY DOWN			12.44
TOTAL			664.00
WT. OF D.C.			
WT. OF STRING	28		

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	422
TOTAL DRILLED (m)	242
TOTAL HRS RUN	18

CUTTING STRUCTURE

Ti	Te	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

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

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
536	664	D	75	2

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	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
6609	152	100	152	

REDUCED PUMP SPEED

2802	@	65	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2030	0.50	6	FINISH RIH
2030	2345	3.25	22	DRILL OUT CEMENT F/536 TO 664
2345	0000	0.25	7	RIG SERVICE FUNCTION TEST PIPES 3 SECS TO CLOSE
				SOFT CEMENT TAGED AT 536M

NOTES : FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SPECIAL EVENT		
TIME / DEPTH		

SAFETY TOPIC	MEHL	MACP
WEEKLY GOALS	32	3606

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	3

RIG NO. 220

FUEL @ 08:00 HRS

RIG 148 BOILER

WEATHER: TEMPERATURE -20; CURRENT CONDITIONS OVERCAST; WIND DIRECTION S.W.; ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S SAFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070203_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS	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 DIR. WORK	21 SAFETY MEETING	22 DRILL OUT CEMENT	23	24	25	26	TOTALS
MORN		5.0					0.25			0.25												2.5					8.00
DAY		11.0					0.25			0.75																	12.00
EVE		3.5					0.25			0.25																	4.00
TOTAL		19.50					0.75			1.25												2.50					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
1	SWACO		CREW VEHICLE			
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
110						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
84						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
6	H.W.D.P.		74.77
33	D.P.	STANDS	612.71
	D.P.	SINGLES	
	KELLY DOWN		12.13
	TOTAL		862.00
	WT. OF D.C.		
	WT. OF STRING	34	

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	422
TOTAL DRILLED (m)	440
TOTAL HRS RUN	25.5

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MORNING TOUR / MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

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

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
ENVIROFLOC	14	SX
ALKAPAM 1103D	2	SX
SODA ASH	2	SX

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
664	862	D	100	7

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	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
6678	139	100	152	

REDUCED PUMP SPEED

2606	@	65	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
796	.65	

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	230	2.50	22	DRILL OUT CEMENT F/ 664 TO 739
230	515	2.75	2	DRILL F/739 TO 805
515	530	0.25	10	DEVIATION SURVEY
530	545	0.25	7	RIG SERVICE FUNCTION ANNULAR 12 SECS TO CLOSE
545	800	2.25	2	DRILL 739 TO 862

NOTES: FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SPECIAL EVENT			
TIME / DEPTH			

SAFETY TOPIC	MEHL	MACP
STEAM	40	3606

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

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

SURFACE LOCATION	UNIQUE ID
L-29-60 DEG10-117DEG 30	300L296010117300

SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	3

RIG NO. 220

FUEL @ 08:00 HRS

RIG 148 | BOILER

WEATHER: TEMPERATURE -20; CURRENT CONDITIONS OVERCAST; WIND DIRECTION S.W.; ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070203_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS / 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 DIR. WORK	21 SAFETY MEETING	22 DRILL OUT CEMENT	23	24	25	26	TOTALS
MORN		5.0					0.25			0.25												2.5					8.00
DAY		11.0					0.25			0.75																	12.00
EVE		3.5					0.25			0.25																	4.00
TOTAL		19.50					0.75			1.25												2.50					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP		TOP
110		
MIDDLE		MIDDLE
BOTTOM		BOTTOM
84		

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
8	H.W.D.P.		74.77
33	D.P.	STANDS	866.56
	D.P.	SINGLES	9.4
KELLY DOWN			7.24
TOTAL			1120.36
WT. OF D.C.			
WT. OF STRING	39		

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	422
TOTAL DRILLED (m)	698
TOTAL HRS RUN	36.5

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

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

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
ENVIROFLOC	2	SX

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
862	1120	D	100	6

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	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7800	139	100	152	

REDUCED PUMP SPEED

2600	@	65	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
897	.33	
990	.33	
1094	.26	

DRILLER SIGNATURE: JACK HUSTON

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1030	2.50	2	DRILL 862 TO 909
1030	1045	0.25	10	DEVIATION SURVEY AT 897
1045	1515	4.50	2	DRILL 909 TO 1003
1515	1530	0.25	10	DEVIATION SURVEY AT 990
1530	1545	0.25	7	RIG SERVICE-FUNCTION PIPE RAMS-3SECS. TO CLOSE
1545	1900	3.25	2	DRILL 1003 TO 1107
1900	1915	0.25	10	DEVIATION SURVEY AT 1094
1915	2000	0.75	2	DRILL 1107 TO 1120

NOTES : FUNCTION CROWN SAVER

VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE

SPECIAL EVENT		
TIME / DEPTH		

SAFETY TOPIC	MEHL	MACP
H2S	60	3606

EVENING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	3

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
148	

WEATHER
TEMPERATURE: -20
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
DC	165	136	DC	57	165	41/2 XH	22	F-800	EMSCO	228.8
DP	102	43.2	HWDP	72	134	4FH	8	PZ-7	GARDNER DENVER	178
DP	102	23.38	SS/95	82	134	4FH	235			

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP. FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070203_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22 DRILL OUT CEMENT	23	24	25	26	TOTALS
TIME-HRS MORN		5.0					0.25			0.25												2.5					8.00
DAY		11.0					0.25			0.75																	12.00
EVE		3.5					0.25			0.25																	4.00
TOTAL		19.50					0.75			1.25												2.50					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
1	SWACO		CREW VEHICLE			
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
110						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
84						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	166	37.53
1	X/O		.69
6	H.W.D.P.		74.77
53	D.P.	STANDS	998.45
	D.P.	SINGLES	
	KELLY DOWN		12.39
	TOTAL		1248.00
	WT. OF D.C.		
	WT. OF STRING		40

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	422
TOTAL DRILLED (m)	826
TOTAL HRS RUN	40

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

EVENING TOUR

MUD RECORD

MUD TYPE: WATER BASED ☐ OIL BASED ☐

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

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1120	1248	D	100	6

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	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
7900	139	100	152	

REDUCED PUMP SPEED

3158	@	64	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1201	.48	

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2230	2.50	2	DRILL F/ 1120 TO 1210
2230	2245	0.25	10	DEVIATION SURVEY
2245	2300	0.25	7	RIG SERVICE FUNCTION REMOTE CHOKE
2300	0000	1.00	2	DRILL F/1210 TO 1248

NOTES : FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				H2S	45	3606

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	4

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
74	

WEATHER
TEMPERATURE: -20
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070204_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DRILLS TEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME - HRS MORN		7.5					0.25			0.25																	8.00
DAY		11.0					0.25			0.75																	12.00
EVE		3.75					0.25																				4.00
TOTAL		22.25					0.75			1.00																	24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	110	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
8	H.W.D.P.		74.77
59	D.P.	STANDS	1110.96
1	D.P.	SINGLES	9.38
KELLY DOWN			12.5
TOTAL			1370.00
WT. OF D.C.			
WT. OF STRING	44		

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	422
TOTAL DRILLED (m)	948
TOTAL HRS RUN	47.5

CUTTING STRUCTURE

TI	Te	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MORNING TOUR

MUD RECORD

MUD TYPE: WATER BASED ☐ OIL BASED ☐

TIME	200	400	600
DENSITY (kg/m3)	1010	1010	1010
FUNNEL VISCOSITY	30	35	38
FLUID LOSS (cm3)			
pH	10	10	10.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
GEL	63	SX
SODA ASH	12	SX
CAUSTIC	4	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	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1248	1370	D	100	7.5

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8400	152	100	152	

REDUCED PUMP SPEED: 3683 @ 60 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1291	.82	

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	345	3.75	2	DRILL F/1248 TO 1304
345	400	0.25	7	RIG SERVICE FUNCTION TEST ANNULAR 12 SECS TO CLOSE
400	415	0.25	10	DEVIATION SURVEY
415	800	3.75	2	DRILL 1304 TO 1370

NOTES : FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SPECIAL EVENT		
TIME / DEPTH		

SAFETY TOPIC	MEHL	MACP
ESCAPE ROUTE	46	

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	4

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
74	

WEATHER

TEMPERATURE: -20

CURRENT CONDITIONS: OVERCAST

WIND DIRECTION: S.W.

ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070204_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME - HRS MORN		7.5					0.25			0.25																	8.00
DAY		11.0					0.25			0.75																	12.00
EVE		3.75					0.25																				4.00
TOTAL		22.25					0.75			1.00																	24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	110	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
9	H.W.D.P.		74.77
54	D.P.	STANDS	1205.01
	D.P.	SINGLES	
KELLY DOWN			12.76
TOTAL			1454.93
WT. OF D.C.			
WT. OF STRING			47

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	422
TOTAL DRILLED (m)	1032
TOTAL HRS RUN	58.5

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	1100	1400	1830
DENSITY (kg/m3)	1120	1145	1150
FUNNEL VISCOSITY	42	44	47
FLUID LOSS (cm3)	7	8	8
pH	11	11	10.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
CAUSTIC	3	SX
SODA ASH	4	SX
GEL	48	SX
DESCO	4	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	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1370	1454	D	85	6

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
9800	152	100	152	

REDUCED PUMP SPEED

3410 @ 61 @

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1394	1.31	

DRILLER SIGNATURE: JACK HUSTON

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1400	6.00	2	DRILL 1370 TO 1407
1400	1415	0.25	7	RIG SERVICE-FUNCTION PIPE RAMS-3SECS. TO CLOSE
1415	1500	0.75	10	DEVIATION SURVEY AT 1394
1500	2000	5.00	2	DRILL 1407 TO 1454

NOTES: FUNCTION CROWN SAVER

VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE

HELD H2S SAFETY MEETING

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
ESCAPE ROUTE	50	

EVENING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	4

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
74	

WEATHER
TEMPERATURE: -20
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

	DC/ DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS	PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
	DC	165	136	DC	57	165	41/2 XH	22	F-800	EMSCO	228.8
	DP	102	43.2	HWDP	72	134	4FH	8	PZ-7	GARDNER DENVER	178
	DP	102	23.38	SS/95	82	134	4FH	235			

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070204_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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
TIME - HRS	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		7.5					0.25			0.25																	8.00
DAY		11.0					0.25			0.75																	12.00
EVE		3.75					0.25																				4.00
TOTAL		22.25					0.75			1.00																	24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	110	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
8	H.W.D.P.		74.77
56	D.P.	STANDS	1242.63
	D.P.	SINGLES	
	KELLY DOWN		12.21
	TOTAL		1492.00
	WT. OF D.C.		
	WT. OF STRING		47

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	
DEPTH IN (m)	422
TOTAL DRILLED (m)	1070
TOTAL HRS RUN	62.25

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	1900	2200	2330
DENSITY (kg/m3)	1145	1145	1140
FUNNEL VISCOSITY	40	42	48
FLUID LOSS (cm3)	8	8	9
pH	10.5	11	11
CALCIUM	670	650	

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1145	1130	1800
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1454	1492	D	75	6

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8404	152	100	152	

REDUCED PUMP SPEED

3235	@	61	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2345	3.75	2	DRILL F/1454 TO 1492
2345	0000	0.25	7	RIG SERVICE FUNCTION TEST REMOTE CHOKE 30 SECS TO CLOSE

NOTES: FUNCTION TEST CROWN SAVER
VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND AND ANCHOR
HELD H2S SAFETY MEETING

SPECIAL EVENT			
TIME / DEPTH			

SAFETY TOPIC	MEHL	MACP
ESCAPE ROUTE	52	2966

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	5

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
152	

WEATHER

TEMPERATURE: -16

CURRENT CONDITIONS: OVERCAST

WIND DIRECTION: S.W.

ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER

O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070205_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS

CODE NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	TOTALS
	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			0.75	3.0	0.25			0.5																	8.00
DAY					4.5	7.25	0.25																				12.00
EVE					0.75	3.0	0.25																				4.00
TOTAL		3.50			6.00	13.25	0.75			0.50																	24.00

SHALE SHAKER(S)			RENTALS / SERVICES	MORN	DAY	EVE
NO.	TYPE	TYPE	CREW VEHICLE			
1	SWACO					
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
110						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
84						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
6	H.W.D.P.		74.77
56	D.P. STANDS		1242.63
	D.P SINGLES		
	KELLY DOWN		12.21
	TOTAL		1492.00
	WT. OF D.C.		
	WT. OF STRING	47	

BIT RECORD

BIT NO.	1		
SIZE	200		
IADC CODE			
MANUFACTURER	VAREL		
TYPE	A06332		
SERIAL NO.	1763		
JETS	7X	9.5	
DEPTH OUT (m)			
DEPTH IN (m)	422		
TOTAL DRILLED (m)	1070		
TOTAL HRS RUN	62.25		

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

MORNING TOUR

MUD RECORD

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

TIME	200	400	600
DENSITY (kg/m3)	1130	1130	
FUNNEL VISCOSITY	75	85	
FLUID LOSS (cm3)	11	12	
pH	11	10.5	
CALCIUM	600		

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
DRISPAC REG	4	SX
HUMALITE	8	SX
DESCO	2	SX
CAUSTIC	1	SX
BARITE	18	SX

SOLIDS CONTROL

CENTRIFUGE

HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY
8	1135	1125	1810
HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY

BOILERS

1		2	
HRS RUN	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	375	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1492	1515	D	75	6

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
8258	152	100	152	

REDUCED PUMP SPEED

3613	@	63	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION
1505	1.88	

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	130	1.50	2	DRILL F/1492 TO 1502
130	145	0.25	5	CIRC UP SAMPLE
145	345	2.00	2	DRILL F/1502 TO 1515
345	415	0.50	5	CIRC UP SAMPLE
415	445	0.50	10	DEVIATION SURVEY
445	500	0.25	7	RIG SERVICE FUNCTION TEST ANNULAR 12 SECS TO CLOSE
500	800	3.00	6	WIPER TRIP FLOW CHECK AT 1505, 1362 ,776, 133
				TIGHT HOLE F/1430 TO 1390

NOTES : FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND AND ANCHOR

HOLE FILL- ACT. 4.81 / CAL. 4.59

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH				TRIPPIN	62	2966

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	5

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
152	

WEATHER

TEMPERATURE: -16

CURRENT CONDITIONS: OVERCAST

WIND DIRECTION: S.W.

ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC / DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070205_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME - HRS MORN		3.5			0.75	3.0	0.25			0.5																	8.00
DAY					4.5	7.25	0.25																				12.00
EVE					0.75	3.0	0.25																				4.00
TOTAL		3.50			6.00	13.25	0.75			0.50																	24.00

SHALE SHAKER(S)			RENTALS / SERVICES	MORN	DAY	EVE
NO.	TYPE	TYPE				
1	SWACO		CREW VEHICLE			
SCREENS CHANGED		NEW / USED				
TOP		TOP				
110						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
84						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
8	H.W.D.P.		74.77
57	D.P.	STANDS	1261.45
	D.P.	SINGLES	9.4
KELLY DOWN			6.99
TOTAL			1515.00
WT. OF D.C.			
WT. OF STRING	47		

BIT RECORD

BIT NO.	1				
SIZE	200				
IADC CODE					
MANUFACTURER	VAREL				
TYPE	A06332				
SERIAL NO.	1763				
JETS	7X	9.5			
DEPTH OUT (m)					
DEPTH IN (m)	422				
TOTAL DRILLED (m)	1070				
TOTAL HRS RUN	62.25				

CUTTING STRUCTURE

TI	TO	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

DAY TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

TIME	1830
DENSITY (kg/m3)	1135
FUNNEL VISCOSITY	80
FLUID LOSS (cm3)	10
pH	10.5

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	20	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	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
1515				

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
9200	152	100	152	

REDUCED PUMP SPEED

3600	@	63	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: JACK HUSTON

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1115	3.25	6	WIPER TRIP - RUN IN -STRAP IN-FLOW CHECK AT 765
1115	1130	0.25	7	RIG SERVICE-FUNCTION PIPE RAMS-3 SECS. TO CLOSE
1130	1415	2.75	5	CONDITION MUD & CIRCULATE
1415	1645	2.50	6	POOH TO 700M-FLOW CHECK AT 1510, AT 1430, AT 721
1645	1815	1.50	6	RIH
1815	2000	1.75	5	CONDITION MUD & CIRCULATE

NOTES: FUNCTION CROWN SAVER

VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE

STRAP-1515.51 / BOARD - 1515.00 / DIFF - 0.51

HOLE FILL-ACT. 2.92 / CAL. 2.67

SPECIAL EVENT		
TIME / DEPTH		

SAFETY TOPIC	MEHL	MACP
TRIPPING	55	3051

EVEN ING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	5

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
152	

WEATHER
TEMPERATURE: -16
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070205_1C		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME - HRS	MORN		3.5			0.75	3.0	0.25			0.5																	8.00
	DAY					4.5	7.25	0.25																				12.00
	EVE					0.75	3.0	0.25																				4.00
	TOTAL		3.50			6.00	13.25	0.75			0.50																	24.00

SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
1	SWACO		CREW VEHICLE			
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
110						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
84						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
8	H.W.D.P.		74.77
57	D.P.	STANDS	1261.45
	D.P.	SINGLES	9.4
KELLY DOWN			6.99
TOTAL			1515.00
WT. OF D.C.			
WT. OF STRING	47		

BIT RECORD

BIT NO.	1			
SIZE	200			
IADC CODE				
MANUFACTURER	VAREL			
TYPE	A06332			
SERIAL NO.	1763			
JETS	7X	9.5		
DEPTH OUT (m)				
DEPTH IN (m)	422			
TOTAL DRILLED (m)	1070			
TOTAL HRS RUN	62.25			

CUTTING STRUCTURE

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

HOLE CONDITION

HOLE DRAG

TORQUE AT BOTTOM

FILL ON BOTTOM (m)

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

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

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
9400	152	100	152	

REDUCED PUMP SPEED

3642	@	63	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2045	0.75	5	CIRCULATE
2045	2100	0.25	7	RIG SERVICE FUNCTION REMOTE CHOKE
2100	0000	3.00	6	POOH TO LOG FLOW CHECK @ 1507, 1411,720

NOTES : FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SPECIAL EVENT

TIME / DEPTH

SAFETY TOPIC	MEHL	MACP
TRIPPING	55	3051

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	6

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
105	

WEATHER

TEMPERATURE: -16

CURRENT CONDITIONS: OVERCAST

WIND DIRECTION: S.W.

ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/ DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE	2007/02/07	TIME	23:59
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S SAFE	06N7100017		
KELLY BSHG		OP. FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070206_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME-HRS MORN						1.75	0.25				5.75										0.25						8.00
DAY					1.0	7.75	0.25		0.75		2.0											0.25					12.00
EVE						3.0	0.25					0.5									0.25						4.00
TOTAL					1.00	12.50	0.75		0.75		7.75	0.50									0.50	0.25					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP		TOP
110		
MIDDLE		MIDDLE
BOTTOM		BOTTOM
84		

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	O.D.	LENGTH
1	BIT		.28
1	TORQUE SUB	160	1.97
1	D.C.	165	9.38
1	STAB	191	1.61
1	SHOCK SUB	161	2.12
11	D.C.	164	103.86
1	JAR	159	4.95
4	D.C.	165	37.53
1	X/O		.69
6	H.W.D.P.		74.77
67	D.P. STANDS		
	D.P. SINGLES		
	KELLY DOWN		
	TOTAL		237.16
	WT. OF D.C.		
	WT. OF STRING	47	

BIT RECORD

BIT NO.	1			
SIZE	200			
IADC CODE				
MANUFACTURER	VAREL			
TYPE	A06332			
SERIAL NO.	1763			
JETS	7X	9.5		
DEPTH OUT (m)	1515			
DEPTH IN (m)	435.5			
TOTAL DRILLED (m)	1079.50			
TOTAL HRS RUN	62.25			

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
4	4	CT	A	X	1	LT	TD	17.34

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 RECORD

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
	1515			

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
BARITE	20	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	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	145	1.75	6	FINISH POOH FLOW CHECK @ 155,0
145	200	0.25	21	SAFETY MEETING WITH LOGGERS
200	215	0.25	7	RIG SERVICE FUNCTION TEST BLIND RAMS 3 SECS TO CLOSE
215	800	5.75	11	WIRELINE LOGS MAI,MSS,MPD,MDN,MML,MGS,MTC,MFE,MCG

NOTES : FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

TRIP SHEET CAL 7.31 ACT 7.51 DIFF .2

SPECIAL EVENT			
TIME / DEPTH			

SAFETY TOPIC	MEHL	MACP
LOGGING	30	3051

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	6

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
105	

WEATHER
TEMPERATURE: -16
CURRENT CONDITIONS: OVERCAST
WIND DIRECTION: S.W.
ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE	2007/02/07	TIME	23:59
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070206_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DRILLS TEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME - HRS MORN						1.75	0.25				5.75										0.25						8.00
DAY					1.0	7.75	0.25		0.75		2.0											0.25					12.00
EVE						3.0	0.25					0.5									0.25						4.00
TOTAL					1.00	12.50	0.75		0.75		7.75	0.50									0.50	0.25					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP		TOP
110		
MIDDLE		MIDDLE
BOTTOM		BOTTOM
84		

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
1	BIT	O.D.	.28
1	BIT SUB	160	.92
12	D.C.	164	113.24
1	JAR	159	4.95
4	D.C.	166	37.53
1	X/O		.69
8	H.W.D.P.		74.77
57	D.P.	STANDS	
	D.P.	SINGLES	
	KELLY DOWN		
	TOTAL		232.38
	WT. OF D.C.		
	WT. OF STRING	47	

BIT RECORD

BIT NO.	1
SIZE	200
IADC CODE	
MANUFACTURER	VAREL
TYPE	A06332
SERIAL NO.	1763
JETS	7X 9.5
DEPTH OUT (m)	1515
DEPTH IN (m)	435.5
TOTAL DRILLED (m)	1079.50
TOTAL HRS RUN	62.25

CUTTING STRUCTURE

TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR
4	4	CT	A	X	1	LT	TD	17.34

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

DAY TOUR

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

BOILERS

1		2	
HRS RUN	12	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: JACK HUSTON

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
800	1000	2.00	11	WIRELINE LOGS
1000	1115	1.25	6	RIH
1115	1200	0.75	9	CUT OFF DRILLING LINE
1200	1215	0.25	7	RIG SERVICE- FUNCTION ANNULAR -12SECS. TO CLOSE
1215	1230	0.25	22	BOP DRILL -WELL SECURE IN 95 SECS.
1230	1445	2.25	6	RIH - FLOW CHECK AT 770
1445	1545	1.00	5	CONDITION MUD & CIRCULATE
1545	2000	4.25	6	LAY DOWN PIPE-FLOW CHECK AT 1500, 1416, 725,

NOTES : FUNCTION CROWN SAVER

VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE

SPECIAL EVENT	
TIME / DEPTH	

SAFETY TOPIC	MEHL	MACP
LAY DOWN PIPE	55	3051

EVENING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	6

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
105	

WEATHER
TEMPERATURE -16
CURRENT CONDITIONS OVERCAST
WIND DIRECTION S.W.
ROAD CONDITION SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE	2007/02/07	TIME	23:59
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070206_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME - HRS MORN						1.75	0.25				5.75										0.25						8.00
DAY					1.0	7.75	0.25		0.75		2.0											0.25					12.00
EVE						3.0	0.25					0.5									0.25						4.00
TOTAL					1.00	12.50	0.75		0.75		7.75	0.50									0.50	0.25					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP		TOP
110		
MIDDLE		MIDDLE
BOTTOM		BOTTOM
84		

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
	D.P.	STANDS	
	D.P.	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	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

EVENING TOUR

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

BOILERS

1		2	
HRS RUN	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2300	3.00	6	FINISH LAYING DWN PIPE
2300	2330	0.50	12	RIG UP TONG HAND
2330	2345	0.25	21	SAFETY MEETING WITH TONG HAND
2345	0000	0.25	7	RIG SERVICE FUNCTION BLIND RAMS 3 SECS TO CLOSE PIPES 3 SECS TO CLOSE

NOTES : FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

TRIP SHEET CAL 7.31 ACT 7.47 DIFF .16

SPECIAL EVENT		
TIME / DEPTH		

SAFETY TOPIC	MEHL	MACP
CASING	30	3051

MORNING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	7

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
69	

WEATHER

TEMPERATURE: -25

CURRENT CONDITIONS: OVERCAST

WIND DIRECTION: S.W.

ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5
	139.7	125.7	23.07	IPSCO	J-55	114	1515.71	.71	1515

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE	2007/02/07	TIME	23:59
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070207_1E		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS	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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN					2.0							5.75										0.25					8.00
DAY	6.0											2.0		3.75							0.25						12.00
EVE	4.0																										4.00
TOTAL	10.00				2.00							7.75		3.75							0.25	0.25					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	110	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
	D.P.	STANDS	
	D.P.	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	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

MORNING TOUR

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

BOILERS

1		2	
HRS RUN	8	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

CIRCULATION PRESSURE kPa	PUMP NO. 1 LINER SIZE	PUMP NO. 1 SPM	PUMP NO. 2 LINER SIZE	PUMP NO. 2 SPM
4430	152	90	152	

REDUCED PUMP SPEED

2675	@	64	@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB
	1515			

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
0	145	1.75	12	RUN CASING
145	200	0.25	22	H2S ALARM FALSE ALARM
200	600	4.00	12	RUN CASING
600	800	2.00	5	CONDITION MUD & CIRCULATE

NOTES: ELEVATORS CIRT #55525

FUNCTION TEST CROWN SAVER

VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR

SPECIAL EVENT			
TIME / DEPTH			

SAFETY TOPIC	MEHL	MACP
CASING		3051

DAY

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	7

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
69	

WEATHER

TEMPERATURE: -25

CURRENT CONDITIONS: OVERCAST

WIND DIRECTION: S.W.

ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER

	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5
	139.7	125.7	23.07	IPSCO	J-55	114	1515.71	.71	1515

	DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
	DC	165	136	DC	57	165	41/2 XH	22
	DP	102	43.2	HWDP	72	134	4FH	8
	DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE	2007/02/07	TIME	23:59
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070207_1E		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

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 DRILLS TEM TEST	17 PLUG BACK	18 SQUEEZE CEMENT	19 FISHING	20 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
TIME-HRS MORN					2.0							5.75										0.25					8.00
DAY	6.0											2.0		3.75							0.25						12.00
EVE	4.0																										4.00
TOTAL	10.00				2.00							7.75		3.75							0.25	0.25					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE	RENTALS / SERVICES	MORN	DAY	EVE
1	SWACO		CREW VEHICLE			
SCREENS CHANGED		NEW/ USED				
TOP		TOP				
110						
MIDDLE		MIDDLE				
BOTTOM		BOTTOM				
84						

NO.	DRILLING ASSEMBLY (AT END OF TOUR) BIT	O.D.	LENGTH
	D.P.	STANDS	
	D.P.	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	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG	
TORQUE AT BOTTOM	
FILL ON BOTTOM (m)	

DAY TOUR

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

BOILERS

1		2	
HRS RUN	12	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

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

REDUCED PUMP SPEED

	@		@

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: JACK HUSTON

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	21	SAFETY MEETING WITH CEMENTERS
815	1015	2.00	12	CEMENT
1015	1400	3.75	14	NIPPLE DOWN BOPS - SET SLIPS
1400	2000	6.00	1	TEAR OUT RIG
				CEMENT THE LONG STRING CASING WITH 21 TONNE OG THIXLITE +1% SMS
				AND 12.5 TONNE OF EXPANDOMIX LWL +.1% CFL-3, .2% LTR + .2% SPC -II
				WE ONLY GOT BACK 2M3 RUFFLY OF THE PREFLUSH, WE ALSO DIDN'T BUMP THE PLUG.
				STOPPED PUMPING AT 09:55 HRS FEB 7/07. THE FLOAT HELD GOOD BJN

NOTES:

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH						

EVENING

LICENCE NO.	WELL NAME & NO.
2041	PARA ET AL CAMERON L-29

OPERATOR	CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION	**UNIQUE ID**
L-29-60 DEG10-117DEG 30	300L296010117300
SIGNATURE OF OPERATOR'S REPRESENTATIVE	**SIGNATURE OF CONTRACTOR'S RIG MANAGER**
BRIAN NEIGUM	DAVE CROWLEY

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

YEAR	MONTH	DAY
2007	2	7

RIG NO. 220

FUEL @ 08:00 HRS

RIG	BOILER
69	

WEATHER

TEMPERATURE: -25

CURRENT CONDITIONS: OVERCAST

WIND DIRECTION: S.W.

ROAD CONDITION: SLIPPERY

LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kg/m3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)
	219.1	205.7	35.71	IPSCO	J55	33	436.16	.66	435.5
	139.7	125.7	23.07	IPSCO	J-55	114	1515.71	.71	1515

DC/DP	DC / DP SIZE	MASS	GRADE	MINIMUM I.D.	T. JNT. O.D.	TYPE THREAD	NO. of JOINTS
DC	165	136	DC	57	165	41/2 XH	22
DP	102	43.2	HWDP	72	134	4FH	8
DP	102	23.38	SS/95	82	134	4FH	235

PUMP TYPE	PUMP MANUFACTURER	STROKE LENGTH
F-800	EMSCO	228.8
PZ-7	GARDNER DENVER	178

SPUD DATE	2007/01/28	TIME	14:30
RIG RELEASE	2007/02/07	TIME	23:59
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE	06N7100017		
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	77		
TOUR SHEET SERIAL NUM	PREC220_20070207_1E		
VENDOR SOFTWARE VERSION	EDR_3-2-4 ETS 2.2		

TIME - HRS

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 DIR. WORK	21 SAFETY MEETING	22	23	24	25	26	TOTALS
MORN					2.0							5.75										0.25					8.00
DAY	6.0											2.0		3.75							0.25						12.00
EVE	4.0																										4.00
TOTAL	10.00				2.00							7.75		3.75							0.25	0.25					24.00

SHALE SHAKER(S) NO.	TYPE	TYPE
1	SWACO	
SCREENS CHANGED		NEW/ USED
TOP	110	TOP
MIDDLE		MIDDLE
BOTTOM	84	BOTTOM

RENTALS / SERVICES	MORN	DAY	EVE
CREW VEHICLE			

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH
	BIT	O.D.	
	D.P.	STANDS	
	D.P.	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	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR

HOLE CONDITION

HOLE DRAG			
TORQUE AT BOTTOM			
FILL ON BOTTOM (m)			

EVENING TOUR

MUD RECORD

MUD TYPE | WATER BASED | OIL BASED

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

MUD MATERIALS ADDED

PRODUCT	AMOUNT	UNIT
ALKAPAM 1103D	4	SX
ENVIROFLOC	7	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	4	HRS RUN	
BOILER pH	11	BOILER pH	
STACK TEMP	370	STACK TEMP	

METRES DRILLED

FROM	TO	D-R-C	RPM	WOB

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

REDUCED PUMP SPEED

	@		@	

DEVIATION SURVEYS

DEPTH (m)	DEVIATION	DIRECTION

DRILLER SIGNATURE: DAVE D CROWLEY

TIME LOG

FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS
2000	2400	4.00	1	TEAR OUT RIG
				RIG RELEASED AT 23:59 HRS FEB 7/07

NOTES :

SPECIAL EVENT				SAFETY TOPIC	MEHL	MACP
TIME / DEPTH						