

MORNING

LICENCE NO. 2048		WELL NAME & NO. PARA ET AL CAMERON E-72		DAILY CHECKS (1.) Daily Walk Around Inspection (2.) Detailed Inspection - Weekly (Using Check List) (3.) H2S Signs Posted if Required (4.) Well Licence & Stick Diagram Posted (5.) Flare Lines Staked (6.) BOP Drills Performed (7.) Visually Inspect BOPs- Flare Lines & Degasser Lines (1.) Rig Site Health & Safety Meeting (one/crew/month) (2.) CAODC Rig Safet Inspection Checklist (one/rig/month) (3.) Mast Inspection before Raising or Lowering (4.) Crown Saver Checked (5.) Motor Kills Checked		OPR R.M. BN DC		YEAR 2007 MONTH 2 DAY 22		LAST CASING TUBING OR LINER FUEL @ 08:00 HRS		O.D. (mm)		MIN I.D. (mm)		MASS (kg/m3)		MAKE		GRADE		NO. of JOINTS		TOTAL LENGTH		KB TO CSG HEAD		SET AT (m)		SPUD DATE 2007/02/24		TIME 04:30	
OPERATOR PARAMOUNT RESOURCES LTD.				CONTRACTOR NAME PRECISION DRILLING, DIV OF PDC						RIG NO. 220																				RIG RELEASE		TIME	
SURFACE LOCATION E-72-60 DEG-10-117 DEG-15				UNIQUE ID 300E726010117150						RIG 62		BOILER																		WELL TYPE VERT.		RE-ENTRY NO	
SIGNATURE OF OPERATOR'S REPRESENTATIVE BRIAN NEIGUM				SIGNATURE OF CONTRACTOR'S RIG MANAGER DAVE CROWLEY						TEMPERATURE -32		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	
										CURRENT CONDITIONS		DC / DP		165		136		DC		57		165		41/2 XH		22		F-800		EMSCO		228.8	
										OVERCAST		DC		102		43.2		HWDP		72		134		4FH		8		PZ-7		GARDNER DENVER		178	
										WIND DIRECTION		DP		102		23.38		SS/95		82		134		4FH		235							
										S.W.		DP		102		23.38		SS/95		82		134		4FH		235							
										ROAD CONDITION		DP		102		23.38		SS/95		82		134		4FH		235							
										SLIPPERY		DP		102		23.38		SS/95		82		134		4FH		235							

WEATHER	

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	SHALE SHAKER(S)		RENTALS / SERVICES		MORN	DAY	EVE
	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.						NO.	TYPE	CREW VEHICLE				
TIME - HRS	MORN	8.0																									8.00	SCREENS CHANGED		NEW/ USED				
	DAY	12.0																									12.00	TOP		TOP				
	EVE																					4.0					4.00	MIDDLE		MIDDLE				
	TOTAL	20.00																					4.00				24.00	BOTTOM		BOTTOM				

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				MORNING TOUR		MUD RECORD				METRES DRILLED				TIME LOG																				
	BIT		O.D.	BIT NO.				MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS															
				SIZE				TIME											0000	800	8.00	1	TEAR DOWN READY FOR MORNING MOVE															
				IADC CODE				DENSITY (kg/m3)																														
				MANUFACTURER				FUNNEL VISCOSITY																														
				TYPE				FLUID LOSS (cm3)																														
				SERIAL NO.				pH																														
				JETS				MUD MATERIALS ADDED				SOLIDS CONTROL		CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2																					
								PRODUCT		AMOUNT		UNIT		CENTRIFUGE		LINEAR SIZE	SPM	LINEAR SIZE	SPM																			
				DEPTH OUT (m)										HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	REDUCED PUMP SPEED																				
				DEPTH IN (m)															@		@																	
				TOTAL DRILLED (m)										HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS																				
				TOTAL HRS RUN															DEPTH (m)		DEVIATION		DIRECTION															
				CUTTING STRUCTURE																																		
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR	BOILERS																									
													1		2																							
	D.P.		STANDS										HRS RUN	8	HRS RUN																							
	D.P.		SINGLES		HOLE CONDITION								BOILER pH	11	BOILER pH																							
KELLY DOWN				HOLE DRAG									STACK TEMP	370	STACK TEMP			DRILLER SIGNATURE				SPECIAL EVENT						SAFETY TOPIC		MEHL		MACP						
TOTAL				TORQUE AT BOTTOM														DAVE D CROWLEY				TIME / DEPTH																
WT. OF D.C.				FILL ON BOTTOM (m)																																		
WT. OF STRING																																						

DAY

LICENCE NO.	WELL NAME & NO.			
2048	PARA ET AL CAMERON E-72			
OPERATOR	CONTRACTOR NAME			
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC			
SURFACE LOCATION	UNIQUE ID			
E-72-60 DEG-10-117 DEG-15	300E726010117150			
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER			
BRIAN NEIGUM	DAVE CROWLEY			

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

YEAR 2007	MONTH 2	DAY 22	LAST CASING TUBING OR LINER	O.D. (mm)	MIN I.D. (mm)	MASS (kgm3)	MAKE	GRADE	NO. of JOINTS	TOTAL LENGTH	KB TO CSG HEAD	SET AT (m)		
RIG NO.	220													
FUEL @ 08:00 HRS														
RIG	BOILER													
62														
WEATHER	TEMPERATURE													
	-32			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
	CURRENT CONDITIONS			DP	165	136	DC	57	165	41/2 XH 22	F-800	EMSCO	228.8	
	OVERCAST			DP	102	43.2	HWDP	72	134	4FH 8	PZ-7	GARDNER DENVER	178	
	WIND DIRECTION		DP	102	23.38	SS/95	82	134	4FH 235					
S.W.														
ROAD CONDITION														
SLIPPERY														

SPUD DATE	2007/02/24	TIME	04:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE			
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	79		
TOUR SHEET SERIAL NUM	PREC220_20070222_ID		
VENDOR SOFTWARE VERSION	EDR_3-2-4_HF2 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	SHALE SHAKER(S)		RENTALS / SERVICES		MORN	DAY	EVE	
		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.							NO.	TYPE	TYPE	CREW VEHICLE			
T I M E - H R S																													1	SWACO						
	MORN	8.0																											8.00	SCREENS CHANGED	NEW/USED					
	DAY	12.0																											12.00	TOP	TOP					
	EVE																												4.00	MIDDLE	MIDDLE					
	TOTAL	20.00																											24.00	BOTTOM	BOTTOM					

[illegible]

EVENING

LICENCE NO.	WELL NAME & NO.						
2048	PARA ET AL CAMERON E-72						
OPERATOR							CONTRACTOR NAME
PARAMOUNT RESOURCES LTD.							PRECISION DRILLING, DIV OF PDC
SURFACE LOCATION							UNIQUE ID
E-72-60 DEG-10-117 DEG-15							300E726010117150
SIGNATURE OF OPERATOR'S REPRESENTATIVE							SIGNATURE OF CONTRACTOR'S RIG MANAGER
BRIAN NEIGUM							DAVE CROWLEY

DAILY CHECKS (1 .) Daily Walk Around Inspection (2 .) Detailed inspection - Weekly (Using Check List) (3 .) H2S Signs Posted if Required (4 .) Well Licence & Stick Diagram Posted (5 .) Flare Lines Staked (6 .) BOP Drills Performed (7 .) Visually inspect BOPs- Flare Lines & Degasser Lines (1 .) Rig Site Health & Safety Meeting (one/crew/month) (2 .) CAODC Rig Safet Inspection Checklist (one/rig/month) (3 .) Mast inspection before Raising or Lowering (4 .) Crown Saver Checked (5 .) Motor Kills Checked	O.P.R. BN DC	R.M. BN DC								
YEAR MONTH DAY 2 22	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)
RIG NO. 220										
FUEL @ 08:00 HRS										
RIG BOILER										
TEMPERATURE										
-32 CURRENT CONDITIONS										
OVERCAST WIND DIRECTION										
S.W. ROAD CONDITION										
SLIPPERY										

SPUD DATE	2007/02/24	TIME	04:30
RIG RELEASE		TIME	
WELL TYPE	VERT.	RE-ENTRY	NO
OPERATOR'S AFE			
KELLY BSHG		OP FUEL	
CONTRACTOR'S JOB NUM	79		
TOUR SHEET SERIAL NUM	PREC220_20070222_1D		
VENDOR SOFTWARE VERSION	EDR_3-2-4_HF2 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	SHALE SHAKER(S)		RENTALS / SERVICES		MORN	DAY	EVE		
		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.							NO.	TYPE	TYPE	CREW VEHICLE				
T I M E - H R S																													1	SWACO							
	MORN	8.0																										8.00	SCREENS CHANGED		NEW/USED						
	DAY	12.0																										12.00	TOP	TOP							
	EVE																							4.0				4.00	MIDDLE	MIDDLE							
	TOTAL	20.00																						4.00				24.00	BOTTOM	BOTTOM							

[illegible]

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARA ET AL CAMERON E-72				YEAR 2007		MONTH 2		DAY 22		TOUR SHEET SERIAL NO. PREC220_20070222_1D			
OPERATOR PARAMOUNT RESOURCES LTD.				CONTRACTOR PRECISION DRILLING, DIV OF PDC						RIG NO. 220			
RIG MANAGER DAVE CROWLEY				PROVINCE N.W.T.				CAMP X YES NO		RIG SAFETY DAYS 1609			
SURFACE LOCATION E-72-60 DEG-10-117 DEG-15				CONTRATOR'S JOB NUM 79						OPERATOR'S AFE			

MORNING TOUR			FROM		0000	TO	0800				INJURIES	
CREW	SOC INS. NO.		NAME		HRS		YES	NO				
DRILLER			DAVE D CROWLEY		8.00			DC				
DERRICKHAND			DANNY S CROWLEY		8.00			DC				
MOTORHAND			COREY ANDERSON		8.00			CA				
FLOORHAND			MIKE BELLAMY		8.00			MB				
FLOORHAND			BRECK PICHE		8.00			BP				
	</											

MORNING

LICENCE NO. 2048		WELL NAME & NO. PARA ET AL CAMERON E-72		DAILY CHECKS (1.) Daily Walk Around Inspection (2.) Detailed Inspection - Weekly (Using Check List) (3.) H2S Signs Posted if Required (4.) Well Licence & Stick Diagram Posted (5.) Flare Lines Staked (6.) BOP Drills Performed (7.) Visually Inspect BOPs- Flare Lines & Degasser Lines (1.) Rig Site Health & Safety Meeting (one/crew/month) (2.) CAODC Rig Safet Inspection Checklist (one/rig/month) (3.) Mast Inspection before Raising or Lowering (4.) Crown Saver Checked (5.) Motor Kills Checked		OPR R.M. BN DC BN DC		YEAR 2007 MONTH 2 DAY 23		LAST CASING TUBING OR LINER RIG NO. 220 FUEL @ 08:00 HRS RIG 62 BOILER TEMPERATURE -32 CURRENT CONDITIONS OVERCAST WIND DIRECTION S.W. ROAD CONDITION SLIPPERY		O.D. (mm) MIN I.D. (mm) MASS (kg/m3) MAKE GRADE NO. of JOINTS TOTAL LENGTH KB TO CSG HEAD SET AT (m)		NO. of JOINTS TOTAL LENGTH PUMP TYPE PUMP MANUFACTURER STROKE LENGTH		SPUD DATE 2007/02/24 TIME 04:30			
OPERATOR PARAMOUNT RESOURCES LTD.				CONTRACTOR NAME PRECISION DRILLING, DIV OF PDC												RIG RELEASE		TIME	
SURFACE LOCATION E-72-60 DEG-10-117 DEG-15				UNIQUE ID 300E726010117150												WELL TYPE VERT.		RE-ENTRY NO	
SIGNATURE OF OPERATOR'S REPRESENTATIVE BRIAN NEIGUM				SIGNATURE OF CONTRACTOR'S RIG MANAGER DAVE CROWLEY												OPERATOR'S AFE			
																KELLY BSHG		OP FUEL	
																CONTRACTOR'S JOB NUM 79			
																TOUR SHEET SERIAL NUM PREC220_20070223_1C			
																VENDOR SOFTWARE VERSION EDR_3-2-4_HF2 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	SHALE SHAKER(S)		RENTALS / SERVICES		MORN	DAY	EVE	
		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								NO.	TYPE	TYPE	CREW VEHICLE			
TIME HRS																													1	SWACO						
	MORN																						8.0					8.00	SCREENS CHANGED	NEW/USED						
	DAY	12.0																									12.00	38	TOP	TOP						
	EVE	4.0																									4.00	MIDDLE	MIDDLE							
	TOTAL	16.00																						8.00				24.00	38	BOTTOM	BOTTOM					

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				MORNING TOUR		MUD RECORD				METRES DRILLED				TIME LOG																		
	BIT	O.D.		BIT NO.				MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS													
				SIZE				TIME											0	800	8.00	22	W.O.D. TO SET UP RIG													
				IADC CODE				DENSITY (kg/m3)																												
				MANUFACTURER				FUNNEL VISCOSITY																												
				TYPE				FLUID LOSS (cm3)																												
				SERIAL NO.				pH																												
				JETS					MUD MATERIALS ADDED			SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2																	
									PRODUCT	AMOUNT	UNIT	CENTRIFUGE					LINER SIZE	SPM	LINER SIZE	SPM																
				DEPTH OUT (m)								HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	REDUCED PUMP SPEED																				
				DEPTH IN (m)													@		@																	
				TOTAL DRILLED (m)								HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS																				
				TOTAL HRS RUN													DEPTH (m)		DEVIATION		DIRECTION															
				CUTTING STRUCTURE								BOILERS																								
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR	1		2																					
	D.P.	STANDS											HRS RUN	0	HRS RUN																					
	D.P.	SINGLES		HOLE CONDITION																																
KELLY DOWN				HOLE DRAG																																
TOTAL				TORQUE AT BOTTOM																																
WT. OF D.C.				FILL ON BOTTOM (m)																																
WT. OF STRING																																				
DRILLER SIGNATURE			SPECIAL EVENT						SAFETY TOPIC				MEHL		MACP																					
DAVE CROWLEY			TIME / DEPTH																																	

DAY

LICENCE NO. 2048		WELL NAME & NO. PARA ET AL CAMERON E-72		DAILY CHECKS (1.) Daily Walk Around Inspection (2.) Detailed Inspection - Weekly (Using Check List) (3.) H2S Signs Posted if Required (4.) Well Licence & Stick Diagram Posted (5.) Flare Lines Staked (6.) BOP Drills Performed (7.) Visually Inspect BOPs- Flare Lines & Degasser Lines (1.) Rig Site Health & Safety Meeting (one/crew/month) (2.) CAODC Rig Safet Inspection Checklist (one/rig/month) (3.) Mast Inspection before Raising or Lowering (4.) Crown Saver Checked (5.) Motor Kills Checked										OPR R.M. BN DC BN DC DC DC 		YEAR 2007 MONTH 2 DAY 23			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)	SPUD DATE 2007/02/24	TIME 04:30
OPERATOR PARAMOUNT RESOURCES LTD.				CONTRACTOR NAME PRECISION DRILLING, DIV OF PDC										RIG NO. 220	RIG 62	BOILER	TEMPERATURE -32	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	RIG RELEASE	TIME
SURFACE LOCATION E-72-60 DEG-10-117 DEG-15				UNIQUE ID 300E726010117150										FUEL @ 08:00 HRS	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	WELL TYPE VERT.	RE-ENTRY NO			
SIGNATURE OF OPERATOR'S REPRESENTATIVE BRIAN NEIGUM				SIGNATURE OF CONTRACTOR'S RIG MANAGER DAVE CROWLEY										WEATHER	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	OPERATOR'S AFE				
														OVERCAST	DC	165	136	DC		57	165	41/2 XH	22	F-800	EMSCO		228.8	KELLY BSHG	OP FUEL			
														WIND DIRECTION	DC	165	136	DC	57	165	41/2 XH	22	F-800	EMSCO		228.8	CONTRACTOR'S JOB NUM	79				
														S.W.	DP	102	43.2	HWDP	72	134	4FH	8	PZ-7	GARDNER DENVER		178	TOUR SHEET SERIAL NUM	PREC220_20070223_1C				
														ROAD CONDITION	DP	102	23.38	SS/95	82	134	4FH	235					VENDOR SOFTWARE VERSION	EDR_3-2-4_HF2 ETS 2.2				
														SLIPPERY	DP	102	23.38	SS/95	82	134	4FH	235										

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	SHALE SHAKER(S)		RENTALS / SERVICES		MORN	DAY	EVE	
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								NO.	TYPE	TYPE	CREW VEHICLE			
																													1	SWACO						
	MORN																						8.0					8.00	SCREENS CHANGED	NEW/ USED						
	DAY	12.0																										12.00	TOP	TOP						
	EVE	4.0																										4.00	MIDDLE	MIDDLE						
TOTAL	16.00																						8.00					24.00	BOTTOM	BOTTOM						
																													38							

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				DAY TOUR		MUD RECORD				METRES DRILLED				TIME LOG															
	BIT	O.D.		BIT NO.				MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS										
				SIZE				TIME											800	2000	12.00	1	RIG UP ON NEW LOCATION										
				IADC CODE				DENSITY (kg/m3)																									
				MANUFACTURER				FUNNEL VISCOSITY															VISUALY INSPECT DERICK AND RAISE DC.										
				TYPE				FLUID LOSS (cm3)																									
				SERIAL NO.				pH																									
				JETS				MUD MATERIALS ADDED	SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2																	
								PRODUCT	AMOUNT	UNIT	CENTRIFUGE					LINER SIZE	SPM	LINER SIZE	SPM														
				DEPTH OUT (m)				HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	REDUCED PUMP SPEED					@		@														
				DEPTH IN (m)								DEVIATION SURVEYS																					
				TOTAL DRILLED (m)				HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEPTH (m)				DEVIATION		DIRECTION															
				TOTAL HRS RUN								BOILERS																					
				CUTTING STRUCTURE								1				2																	
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR																					
	D.P.	STANDS																															
	D.P.	SINGLES		HOLE CONDITION									HRS RUN	4	HRS RUN																		
KELLY DOWN				HOLE DRAG																													
TOTAL				TORQUE AT BOTTOM																													
WT. OF D.C.				FILL ON BOTTOM (m)																													
WT. OF STRING																																	
DRILLER SIGNATURE				SPECIAL EVENT								SAFETY TOPIC				MEHL		MACP															
JACK HUSTON				TIME / DEPTH																													

EVENING

[illegible]

CONEQ 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	SHALE SHAKER(S)			RENTALS / SERVICES			MORN	DAY	EVE	
		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								NO.	TYPE	TYPE	CREW VEHICLE					
TIME HRS	MORN																						8.0					8.00	SCREENS CHANGED	SWACO	NEW/USED							
	DAY	12.0																										12.00	TOP		TOP							
	EVE	4.0																										4.00	MIDDLE		MIDDLE							
	TOTAL	16.00																					8.00					24.00	BOTTOM		BOTTOM							
																													38									

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				EVENING TOUR		MUD RECORD				METRES DRILLED					TIME LOG																																					
	BIT	O.D.		BIT NO.				MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS																																	
				SIZE				TIME											2000	2200	2.00	1	RIG UP FLOOR, KELLY, PRE-FABS																																	
				IADC CODE				DENSITY (kg/m3)											2200	2400	2.00	1	RIG UP DIVERTER, AND LINES TO FLARE STACK																																	
				MANUFACTURER				FUNNEL VISCOSITY																																																
				TYPE				FLUID LOSS (cm3)																																																
				SERIAL NO.				pH																																																
				JETS				MUD MATERIALS ADDED			SOLIDS CONTROL			CIRCULATION PRESSURE kPa		PUMP NO. 1		PUMP NO. 2																																						
								PRODUCT			AMOUNT			UNIT			CENTRIFUGE				LINER SIZE		SPM		LINER SIZE		SPM																													
				DEPTH OUT (m)													HOURS RUN				INTAKE DENSITY (kg/m3)		OVER FLOW DENSITY		UNDER FLOW DENSITY																															
				DEPTH IN (m)																					REDUCED PUMP SPEED																															
				TOTAL DRILLED (m)																					@																															
				TOTAL HRS RUN													HOURS RUN				INTAKE DENSITY (kg/m3)		OVER FLOW DENSITY		UNDER FLOW DENSITY						DEVIATION SURVEYS																									
				CUTTING STRUCTURE																									DEPTH (m)				DEVIATION		DIRECTION																					
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR								BOILERS																																				
																			1			2																																		
	D.P.	STANDS																		HRS RUN			4		HRS RUN																															
	D.P.	SINGLES		HOLE CONDITION																HRS RUN			4		HRS RUN																															
	KELLY DOWN			HOLE DRAG																BOILER pH			11		BOILER pH								DRILLER SIGNATURE				SPECIAL EVENT				SAFETY TOPIC		MEHL		MACP											
	TOTAL			TORQUE AT BOTTOM																STACK TEMP			370		STACK TEMP				DAVE D CROWLEY				TIME / DEPTH																							
	WT. OF D.C.			FILL ON BOTTOM (m)																																																				
	WT. OF STRING																																																							

DRILLING CREW PAYROLL DATA

WELL NAME & NO. PARA ET AL CAMERON E-72				YEAR 2007		MONTH 2		DAY 23		TOUR SHEET SERIAL NO. PREC220_20070223_1C			
OPERATOR PARAMOUNT RESOURCES LTD.				CONTRACTOR PRECISION DRILLING, DIV OF PDC						RIG NO. 220			
RIG MANAGER DAVE CROWLEY				PROVINCE N.W.T.				CAMP X YES NO		RIG SAFETY DAYS 1610			
SURFACE LOCATION E-72-60 DEG-10-117 DEG-15				CONTRATOR'S JOB NUM 79					OPERATOR'S AFE				

MORNING TOUR			FROM		0	TO		800			INJURIES	
CREW	SOC INS. NO.		NAME		HRS		YES	NO				

DAY

LICENCE NO.	WELL NAME & NO.	DAILY CHECKS										OPR	R.M.	YEAR	MONTH	DAY	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)	SPUD DATE	2007/02/24	TIME	04:30			
2048	PARA ET AL CAMERON E-72	(1.) Daily Walk Around Inspection										BN	DC	RIG NO.	220																		
OPERATOR		CONTRACTOR NAME		(2.) Detailed Inspection - Weekly (Using Check List)										BN	DC	FUEL @ 08:00 HRS																	
				(3.) H2S Signs Posted if Required										BN	DC	RIG			BOILER														
PARAMOUNT RESOURCES LTD.		PRECISION DRILLING, DIV OF PDC		(4.) Well Licence & Stick Diagram Posted										BN	DC	196																	
SURFACE LOCATION		UNIQUE ID		(5.) Flare Lines Staked												TEMPERATURE		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				
E-72-60 DEG-10-117 DEG-15		300E726010117150		(6.) BOP Drills Performed												-23																	
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER		(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines												CURRENT CONDITIONS		DC	165	136	DC	57	165	41/2 XH	22	F-800	EMSCO		228.8				
				(1.) Rig Site Health & Safety Meeting (one/crew/month)												OVERCAST		DC															
				(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)												WIND DIRECTION		DP	102	43.2	HWDP	72	134	4FH	8	PZ-7	GARDNER DENVER		178				
				(3.) Mast Inspection before Raising or Lowering												S.W.																	
				(4.) Crown Saver Checked												ROAD CONDITION		DP	102	23.38	SS/95	82	134	4FH	235								
BRIAN NEIGUM		DAVE CROWLEY		(5.) Motor Kills Checked												SLIPPERY		DP															

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	SHALE SHAKER(S)			RENTALS / SERVICES			MORN	DAY	EVE
	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								NO.	TYPE	TYPE					
TIME - HRS	MORN	4.0	3.5				0.25														0.25						8.00	SCREENS CHANGED		NEW/USED						
	DAY		6.5		1.0		0.25			0.25																	8.00	TOP	38	TOP						
	EVE		5.0			1.75	0.25			1.0																	8.00	MIDDLE		MIDDLE						
	TOTAL	4.00	15.00		1.00	1.75	0.75				1.25										0.25						24.00	BOTTOM	38	BOTTOM						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD					DAY TOUR		MUD RECORD					METRES DRILLED					TIME LOG															
1	BIT		O.D.	.34	BIT NO.		1A				MUD TYPE				WATER BASED				OIL BASED				FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS				
1	BIT SUB		218	1.1	SIZE		311				TIME												34	72	D	180	5	800	900	1.00	5	CONDITION MUD -MIX GEL				
2	9 IN. DC		218	18.54	IADC CODE						DENSITY (kg/m3)																	900	1415	5.25	2	DRILL 34 TO 53-GRAVEL FROM 32m TO 45m				
1	BELL SUB		201	.95	MANUFACTURER		VAREL				FUNNEL VISCOSITY																	1415	1430	0.25	10	DEVIATION SURVEY AT 40m				
1	X/O		154	.67	TOTAL DRILLED (m)		59				FLUID LOSS (cm3)																	1430	1545	1.25	2	DRILL 53 TO 72				
4	D.C.		161	37.66	TYPE		MXC1				pH																	1545	1600	0.25	7	RIG SERVICE				
					SERIAL NO.		5039817																													
					JETS		3X		12.7																											
											MUD MATERIALS ADDED		SOLIDS CONTROL				CIRCULATION PRESSURE kPa		PUMP NO. 1		PUMP NO. 2															
											PRODUCT		AMOUNT		UNIT		CENTRIFUGE																			
					DEPTH OUT (m)						GEL		80		SX		HOURS RUN		INTAKE DENSITY (kg/m3)		OVER FLOW DENSITY		UNDER FLOW DENSITY		6200		152		90		152		90			
					DEPTH IN (m)		13				SODA ASH		6		SX										REDUCED PUMP SPEED											
					TOTAL DRILLED (m)		59				CAUSTIC		2		SX												@				@					
					TOTAL HRS RUN		10										HOURS RUN		INTAKE DENSITY (kg/m3)		OVER FLOW DENSITY		UNDER FLOW DENSITY		DEVIATION SURVEYS											
					CUTTING STRUCTURE																				DEPTH (m)		DEVIATION		DIRECTION							
					TI		To		MDC		LOC		BRG		GAGE		ODC		REASON PULLED		TOTAL RUN m/HR		40		.28											
	D.P.		STANDS																																NOTES : VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE	
	D.P.		SINGLES																																	
KELLY DOWN				13.04		HOLE DRAG												HRS RUN		8		HRS RUN														
TOTAL				72.30		TORQUE AT BOTTOM												BOILER pH		11		BOILER pH														
WT. OF D.C.				16		FILL ON BOTTOM (m)												STACK TEMP		370		STACK TEMP														
WT. OF STRING				16																				JACK HUSTON		TIME / DEPTH										

EVENING

LICENCE NO.	WELL NAME & NO.	DAILY CHECKS		OPR	R.M.	YEAR	MONTH	DAY	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)	SPUD DATE	2007/02/24	TIME	04:30	
2048	PARA ET AL CAMERON E-72	(1.) Daily Walk Around Inspection	BN	DC	RIG NO.	220														RIG RELEASE		TIME	
OPERATOR	CONTRACTOR NAME	(2.) Detailed Inspection - Weekly (Using Check List)	BN	DC	FUEL @ 08:00 HRS															WELL TYPE	VERT.	RE-ENTRY	NO
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC	(3.) H2S Signs Posted if Required	BN	DC	RIG	BOILER														OPERATOR'S AFE			
SURFACE LOCATION	UNIQUE ID	(4.) Well Licence & Stick Diagram Posted	BN	DC	196															KELLY BSHG		OP FUEL	
E-72-60 DEG-10-117 DEG-15	300E726010117150	(5.) Flare Lines Staked			TEMPERATURE		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					
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER	(6.) BOP Drills Performed			-23																		
BRIAN NEIGUM	DAVE CROWLEY	(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines			CURRENT CONDITIONS		DC	165	136	DC	57	165	41/2 XH	22	F-800	EMSCO		228.8					
		(1.) Rig Site Health & Safety Meeting (one/crew/month)			OVERCAST		DC	102	43.2	HWDP	72	134	4FH	8	PZ-7	GARDNER DENVER		178					
		(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)			WIND DIRECTION		DP	102	43.2	HWDP	72	134	4FH	8	PZ-7	GARDNER DENVER		178					
		(3.) Mast Inspection before Raising or Lowering			S.W. ROAD CONDITION		DP	102	23.38	SS/95	82	134	4FH	235									
		(4.) Crown Saver Checked			SLIPPERY		DP	102	23.38	SS/95	82	134	4FH	235									
		(5.) Motor Kills Checked																					

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	SHALE SHAKER(S)			RENTALS / SERVICES			MORN	DAY	EVE
	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								NO.	TYPE	TYPE					
TIME - HRS	MORN	4.0	3.5				0.25														0.25							8.00	1	SWACO						
																													SCREENS CHANGED		NEW/USED					
	DAY		6.5		1.0		0.25			0.25																		8.00	38	TOP	TOP					
	EVE		5.0			1.75	0.25			1.0																		8.00		MIDDLE	MIDDLE					
	TOTAL	4.00	15.00			1.00	1.75	0.75			1.25											0.25						24.00	38	BOTTOM	BOTTOM					

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				EVENING TOUR		MUD RECORD				METRES DRILLED					TIME LOG														
	BIT	O.D.		BIT NO.	1A	2A	MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS											
1	BIT SUB	218	1.1	SIZE	311	311	TIME		2000	2200	2330	72	166	D	180	8	1600	1700	1.00	2	DRILL 72 TO 81												
2	9 IN. DC	218	18.54	IADC CODE			DENSITY (kg/m3)		1210	1220	1225						1700	1715	0.25	10	DEVIATION SURVEY												
1	BELL SUB	201	.95	MANUFACTURER	VAREL		FUNNEL VISCOSITY		49	45	48						1715	1900	1.75	6	TRIP FOR BIT												
1	X/O	154	.67				FLUID LOSS (cm3)										1900	2000	1.00	2	DRILL 81 TO 100												
14	D.C.	161	131.93	TYPE	MXC1	CHSIGMS	pH		10	10.5	10.5						2000	2015	0.25	10	DEVIATION SURVEY												
				SERIAL NO.	5039817	192271											2015	2030	0.25	7	RIG SERVICE FUNCTION TEST ANNULAR 12 SECS TO CLOSE												
							MUD MATERIALS ADDED			SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2		2030	2130	1.00	2	DRILL F/100 TO 128										
				JETS											LINER SIZE	SPM	LINER SIZE	SPM	2130	2145	0.25	10	DEVIATION SURVEY										
				DEPTH OUT (m)	81		PRODUCT	AMOUNT	UNIT	CENTRIFUGE				9270	152	95	152	95	2145	2330	1.75	2	DRILL F/128 TO157										
				DEPTH IN (m)	13	81								REDUCED PUMP SPEED				2330	2345	0.25	10	DEVIATION SURVEY											
				TOTAL DRILLED (m)	68.00	85									@		@		2345	0000	0.25	2	DRILL F/157 TO 166										
				TOTAL HRS RUN	11	4								HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS															
				CUTTING STRUCTURE															DEPTH (m)		DEVIATION		DIRECTION										
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR		BOILERS				68	1.10														
														1		2		90	.28		NOTES : FUNCTION TEST CROWN SAVER												
	D.P.	STANDS												HRS RUN		4	HRS RUN	118	1.01		VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR												
	D.P.	SINGLES		HOLE CONDITION															147	.61													
KELLY DOWN			12.47	HOLE DRAG																													
TOTAL			166.00	TORQUE AT BOTTOM																													
WT. OF D.C.		22	FILL ON BOTTOM (m)																														
WT. OF STRING		22																															

MORNING

LICENCE NO.	WELL NAME & NO.	DAILY CHECKS		OPR	R.M.	YEAR	MONTH	DAY	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)	SPUD DATE	2007/02/24	TIME	04:30	
2048	PARA ET AL CAMERON E-72	(1.) Daily Walk Around Inspection	BN	DC	RIG NO.	220													RIG RELEASE		TIME		
OPERATOR	CONTRACTOR NAME	(3.) H2S Signs Posted if Required	BN	DC	FUEL @ 08:00 HRS														WELL TYPE	VERT.	RE-ENTRY	NO	
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC	(4.) Well Licence & Stick Diagram Posted	BN	DC	RIG		BOILER													OPERATOR'S AFE			
SURFACE LOCATION	UNIQUE ID	(5.) Flare Lines Staked			145															KELLY BSHG		OP FUEL	
E-72-60 DEG-10-117 DEG-15	300E726010117150	(6.) BOP Drills Performed			TEMPERATURE			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					
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER	(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines			-23	CURRENT CONDITIONS		DC	165	136	DC	57	165	41/2 XH	22	F-800	EMSCO	228.8					
BRIAN NEIGUM	DAVE CROWLEY	(1.) Rig Site Health & Safety Meeting (one/crew/month)			OVERCAST			DP	102	43.2	HWDP	72	134	4FH	8	PZ-7	GARDNER DENVER	178					
		(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)			WIND DIRECTION			DP	102	43.2	HWDP	72	134	4FH	8	PZ-7	GARDNER DENVER	178					
		(3.) Mast Inspection before Raising or Lowering			S.W.			DP	102	23.38	SS/95	82	134	4FH	235								
		(4.) Crown Saver Checked			ROAD CONDITION			DP	102	23.38	SS/95	82	134	4FH	235								
		(5.) Motor Kills Checked			SLIPPERY			DP	102	23.38	SS/95	82	134	4FH	235								

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	SHALE SHAKER(S)			RENTALS / SERVICES		MORN	DAY	EVE
		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								NO.	TYPE	TYPE	CREW VEHICLE			
TIME - HRS																													1	SWACO						
	MORN		4.25			0.25	2.75	0.25			0.5																	8.00	SCREENS CHANGED		NEW/ USED					
	DAY		6.5					0.25			1.25																	8.00	TOP		TOP					
	EVE		3.25			0.5	3.5	0.25			0.5																	8.00	MIDDLE		MIDDLE					
	TOTAL		14.00			0.75	6.25	0.75				2.25																24.00	BOTTOM		BOTTOM					

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD				MORNING TOUR	MUD RECORD				METRES DRILLED				TIME LOG																				
1	BIT	O.D.	.34	BIT NO.	2A	3A	MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS														
1	BIT SUB	218	1.1	SIZE	311	311	TIME		200	400	600	166	242	D	180	5	0	130	1.50	2	DRILL F/166 TO 184															
2	9 IN. DC	218	18.54				DENSITY (kg/m3)		1230	1230	1235						130	145	0.25	10	DEVIATION SURVEY															
1	BELL SUB	201	.95	IADC CODE			FUNNEL VISCOSITY		49	47	48						145	200	0.25	2	DRILL F/184 TO 185															
1	X/O	154	.67	MANUFACTURER	VAREL	VAREL	FLUID LOSS (cm3)										200	215	0.25	5	CIRCULATE															
16	D.C.	161	150.98	TYPE	CHSIGMS	CHIGJMS	pH		10.5	10.5	10.5						215	230	0.25	7	RIG SERVICE															
1	X/O	153	.69	SERIAL NO.	192271	214325											230	515	2.75	6	BIT TRIP															
6	H.W.D.P.	132	56.15														515	630	1.25	2	DRILL F/185 TO 204															
				JETS	12.7	12.7	3X	12.7	MUD MATERIALS ADDED			SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2		630	645	0.25	10	DEVIATION SURVEY											
					12.7				PRODUCT	AMOUNT	UNIT	CENTRIFUGE					LINER SIZE	SPM	LINER SIZE	SPM	645	800	1.25	2	DRILL F/204 TO 242											
				DEPTH OUT (m)	185							HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	9400	152	95	152	95																
				DEPTH IN (m)	81	185											REDUCED PUMP SPEED																			
				TOTAL DRILLED (m)	104.00	57											@		@																	
				TOTAL HRS RUN	5.75	2.5						HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY		DEVIATION SURVEYS																			
				CUTTING STRUCTURE													DEPTH (m)		DEVIATION		DIRECTION															
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR	BOILERS				173	1.71																		
													1		2																					
	D.P.	STANDS		4	4	WT	A	3		WT	DEV	20	HRS RUN	8	HRS RUN																					
	D.P.	SINGLES		HOLE CONDITION																																
KELLY DOWN			12.58	HOLE DRAG																																
TOTAL			242.00	TORQUE AT BOTTOM																																
WT. OF D.C.			22	FILL ON BOTTOM (m)																																
WT. OF STRING			26																																	
DRILLER SIGNATURE																		SPECIAL EVENT									SAFETY TOPIC				MEHL	MACP				
DAVE D CROWLEY																		TIME / DEPTH									NEW GUYS				35					

DAY

[illegible]

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	SHALE SHAKER(S)		RENTALS / SERVICES			MORN	DAY	EVE	
		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								NO.	TYPE	TYPE	CREW VEHICLE				
TIME HRS																													1	SWACO							
	MORN		4.25			0.25	2.75	0.25			0.5																	8.00	SCREENS CHANGED	NEW/USED							
	DAY		6.5					0.25			1.25																	8.00	TOP	TOP							
	EVE		3.25			0.5	3.5	0.25			0.5																	8.00	MIDDLE	MIDDLE							
	TOTAL		14.00			0.75	6.25	0.75			2.25																	24.00	BOTTOM	BOTTOM							
																												38									

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD			DAY TOUR		MUD RECORD		METRES DRILLED					TIME LOG													
	BIT	O.D.		BIT NO.	3A		MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS							
1	BIT SUB	218	1.1	SIZE	311		TIME	1000	1300	1700	242	374	D	180	9	800	900	1.00	2	DRILL 242 TO 261									
2	9 IN. DC	218	18.54	IADC CODE			DENSITY (kg/m3)	1240	1180	1140						900	915	0.25	10	DEVIATION SURVEY AT 248									
1	BELL SUB	201	.95	MANUFACTURER	VAREL		FUNNEL VISCOSITY	34	45	40						915	1000	0.75	2	DRILL 261 TO 279									
1	X/O	154	.67				FLUID LOSS (cm3)									1000	1015	0.25	10	DEVIATION SURVEY AT 267									
16	D.C.	161	150.98	TYPE	CHIGJMS		pH	9.5	9.5	9.5						1015	1130	1.25	2	DRILL 279 TO 308									
1	X/O	153	.69	SERIAL NO.	214325											1130	1145	0.25	10	DEVIATION SURVEY AT 295									
8	H.W.D.P.	132	74.97		3X	12.7										1145	1300	1.25	2	DRILL 308 TO 336									
				JETS												1300	1315	0.25	10	DEVIATION SURVEY AT 323									
							PRODUCT	AMOUNT	UNIT																				
				DEPTH OUT (m)			DRILLING DETERGENT	1	SX																				
				DEPTH IN (m)	185		CAUSTIC	2	SX																				
				TOTAL DRILLED (m)	189																								
				TOTAL HRS RUN	9.0																								
				CUTTING STRUCTURE																									
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR																	
6	D.P.	STANDS	113.15																										
	D.P.	SINGLES		HOLE CONDITION																									
KELLY DOWN			12.76	HOLE DRAG																									
TOTAL			374.15	TORQUE AT BOTTOM																									
WT. OF D.C.		22		FILL ON BOTTOM (m)																									
WT. OF STRING		32																											
MUD MATERIALS ADDED												SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2										
																	LINER SIZE	SPM	LINER SIZE	SPM									
												CENTRIFUGE																	
												HOURS RUN				INTAKE DENSITY (kg/m3)				OVER FLOW DENSITY				UNDER FLOW DENSITY					
												REDUCED PUMP SPEED																	
																@				@									
												DEVIATION SURVEYS																	
												DEPTH (m)				DEVIATION				DIRECTION									
												220				.32													
												248				1.23													
												267				.59													
												295				.72													
												323				.76													
												352				.91													
												DRILLER SIGNATURE				SPECIAL EVENT						SAFETY TOPIC				MEHL		MACP	
												JACK HUSTON				TIME / DEPTH						TONGS				45			

EVENING

LICENCE NO.	WELL NAME & NO.		DAILY CHECKS															YEAR		MONTH		DAY		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)		SPUD DATE		2007/02/24		TIME		04:30									
2048			PARA ET AL CAMERON E-72															RIG NO.		220																									RIG RELEASE				TIME											
OPERATOR			CONTRACTOR NAME															FUEL @ 08:00 HRS																																			RIG TYPE		VERT.		RE-ENTRY		NO	
PARAMOUNT RESOURCES LTD.			PRECISION DRILLING, DIV OF PDC															RIG		BOILER																																					OPERATOR'S AFE			
SURFACE LOCATION			UNIQUE ID															145		TEMPERATURE																						KELLY BSHG				OP FUEL														
E-72-60 DEG-10-117 DEG-15			300E726010117150															WATER		-23 CURRENT CONDITIONS				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		CONTRACTOR'S JOB NUM		79										
SIGNATURE OF OPERATOR'S REPRESENTATIVE			SIGNATURE OF CONTRACTOR'S RIG MANAGER																	OVERCAST				DC		165		136		DC		57		165		41/2 XH		22		F-800		EMSCO				228.8		TOUR SHEET SERIAL NUM		PREC220_20070225_1C										
BRIAN NEIGUM			DAVE CROWLEY																	WIND DIRECTION				DP		102		43.2		HWDP		72		134		4FH		8		PZ-7		GARDNER DENVER				178		VENDOR SOFTWARE VERSION		EDR_3-2-4_HF2 ETS 2.2										
																				S.W. ROAD CONDITION				DP		102		23.38		SS/95		82		134		4FH		235																						
																				SLIPPERY				DP		102		23.38		SS/95		82		134		4FH		235																						

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	SHALE SHAKER(S)		RENTALS / SERVICES		MORN	DAY	EVE
		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								NO.	TYPE	TYPE	CREW VEHICLE		
TIME HRS																													1	SWACO					
	MORN		4.25			0.25	2.75	0.25			0.5																	8.00	SCREENS CHANGED	NEW/USED					
	DAY		6.5					0.25			1.25																	8.00	TOP	TOP					
	EVE		3.25			0.5	3.5	0.25			0.5																	8.00	MIDDLE	MIDDLE					
	TOTAL		14.00			0.75	6.25	0.75			2.25																	24.00	BOTTOM	BOTTOM					

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD						EVENING TOUR				MUD RECORD				METRES DRILLED					TIME LOG						
	BIT	O.D.		.34	BIT NO.	3A						MUD TYPE			WATER BASED	☐	OIL BASED	☐	FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS	
1	BIT SUB	218	1.1	SIZE	311						TIME	1900						374	435	D	180	9	1600	1700	1.00	2	DRILL 374 TO 392		
2	9 IN. DC	218	18.54	IADC CODE							DENSITY (kg/m3)	1130						1700	1715	0.25	10	DEVIATION SURVEY AT 380							
1	BELL SUB	201	.95	MANUFACTURER	VAREL						FUNNEL VISCOSITY	65						1715	1845	1.50	2	DRILL 392 TO 421							
1	X/O	154	.67	TYPE	CHIGJMS						FLUID LOSS (cm3)							1845	1900	0.25	10	DEVIATION SURVEY AT 408							
16	D.C.	161	150.98	SERIAL NO.	214325						pH	10						1900	1930	0.50	2	DRILL 421 TO 430							
1	X/O	153	.69	JETS	3X	12.7				MUD MATERIALS ADDED				SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2		1930	2000	0.50	5	CIRC HOLE CLEAN		
8	H.W.D.P.	132	74.97	DEPTH OUT (m)							PRODUCT	AMOUNT	UNIT	CENTRIFUGE				LINER SIZE	SPM	LINER SIZE	SPM	2000	2330	3.50	6	WIPER TRIP			
				DEPTH IN (m)	185						HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	5500	152	120	152		2330	2345	0.25	7	RIG SERVICE					
				TOTAL DRILLED (m)	250										REDUCED PUMP SPEED				@		@								
				TOTAL HRS RUN	9.0						HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS														
				CUTTING STRUCTURE										DEPTH (m)	DEVIATION		DIRECTION												
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/Hr	BOILERS				380	.44											
													1		2		408	.53							NOTES : FUNCTION CROWN SAVER				
9	D.P.	STANDS	169.53	HOLE CONDITION										HRS RUN	8	HRS RUN						VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE							
1	D.P.	SINGLES	9.4	HOLE DRAG										BOILER pH	11	BOILER pH						STRAP 430.53 BOARD 430.53							
KELLY DOWN			7.83	TORQUE AT BOTTOM										STACK TEMP	370	STACK TEMP		DRILLER SIGNATURE				SPECIAL EVENT			SAFETY TOPIC		MEHL	MACP	
TOTAL			435.00	FILL ON BOTTOM (m)										DAVE D CROWLEY				TIME / DEPTH					LAYING DWN COLLARS		45				

DAY

LICENCE NO.		WELL NAME & NO.		DAILY CHECKS										YEAR		MONTH		DAY		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)		SPUD DATE		2007/02/24		TIME		04:30	
2048		PARA ET AL CAMERON E-72		(1.) Daily Walk Around Inspection										RIG NO.		220		FUEL @ 08:00 HRS				219.1		205.7		35.7		IPSCO			J-55		32		435.53		.53		435		RIG RELEASE				TIME			
OPERATOR				CONTRACTOR NAME										RIG				BOILER																					WELL TYPE		VERT.		RE-ENTRY		NO			
PARAMOUNT RESOURCES LTD.				PRECISION DRILLING, DIV OF PDC										132																							OPERATOR'S AFE											
SURFACE LOCATION				UNIQUE ID										TEMPERATURE				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		KELLY BSHG				OP FUEL	
E-72-60 DEG-10-117 DEG-15				300E726010117150										-16				DC / DP				165		136		DC		57		165		41/2 XH		22		F-800		EMSCO			228.8		CONTRACTOR'S JOB NUM		79			
SIGNATURE OF OPERATOR'S REPRESENTATIVE				SIGNATURE OF CONTRACTOR'S RIG MANAGER										CURRENT CONDITIONS				DC		165		136		DC		57		165		41/2 XH		22		F-800		EMSCO			228.8		TOUR SHEET SERIAL NUM		PREC220_20070226_1C					
BRIAN NEIGUM				DAVE CROWLEY										OVERCAST				DC		165		136		DC		57		165		41/2 XH		22		F-800		EMSCO			228.8		VENDOR SOFTWARE VERSION		EDR_3-2-4_HF2 ETS 2.2					
														WIND DIRECTION				DC		165		136		DC		57		165		41/2 XH		22		F-800		EMSCO			228.8									
														S.W.				DC		102		43.2		HWDP		72		134		4FH		8		PZ-7		GARDNER DENVER			178									
														ROAD CONDITION				DC		102		23.38		SS/95		82		134		4FH		235																
														SLIPPERY				DC		102		23.38		SS/95		82		134		4FH		235																
														WEATHER																																		

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	SHALE SHAKER(S)			RENTALS / SERVICES			MORN	DAY	EVE			
																												NO.	TYPE	TYPE									
	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	WELD BOWL																	
					2.25	3.0	0.25			0.25		2.0									0.25									8.00	1	SWACO		CREW VEHICLE					
TIME - HRS	MORN																																						
	DAY											1.5	4.0	1.25							0.25	1.0								8.00	38	TOP	TOP						
	EVE						0.25							5.25	0.75						0.25	1.5								8.00		MIDDLE	MIDDLE						
	TOTAL					2.25	3.00	0.50			0.25		3.50	4.00	6.50	0.75						0.75	2.50							24.00	38	BOTTOM	BOTTOM						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD					DAY TOUR		MUD RECORD				METRES DRILLED					TIME LOG																	
	BIT	O.D.		BIT NO.					MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS													
				SIZE					TIME											800	815	0.25	21	SAFETY MEETING WITH CEMENTERS													
				IADC CODE					DENSITY (kg/m3)											815	945	1.50	12	CEMENT CASING													
				MANUFACTURER					FUNNEL VISCOSITY											945	1345	4.00	13	WAIT ON CEMENT													
				TYPE					FLUID LOSS (cm3)											1345	1500	1.25	14	CUT CONDUCTOR-LAY DOWN DIVERTER													
				SERIAL NO.					pH											1500	1600	1.00	22	WELD ON BOWL													
				JETS																				CEMENT THE CASING WITH 32 TONNE OF 0-10 G WITH 1.5% CACL2													
																								PLUG DOWN AT 09:20 HRS. WE GOT BACK 5M3 OF CEMENT CONTAMINATED WITH MUD.													
				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																									
	D.P.	STANDS																																			
	D.P.	SINGLES		HOLE CONDITION																																	
KELLY DOWN				HOLE DRAG																																	
TOTAL				TORQUE AT BOTTOM																																	
WT. OF D.C.				FILL ON BOTTOM (m)																																	
WT. OF STRING																																					
DRILLER SIGNATURE																				SPECIAL EVENT										SAFETY TOPIC				MEHL		MACP	
JACK HUSTON																				TIME / DEPTH																	

EVENING

LICENCE NO.		WELL NAME & NO.		DAILY CHECKS										YEAR		MONTH		DAY		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)		SPUD DATE		2007/02/24		TIME		04:30	
2048		PARA ET AL CAMERON E-72		(1.) Daily Walk Around Inspection										RIG NO.		220		FUEL @ 08:00 HRS				219.1		205.7		35.7		IPSCO			J-55		32		435.53		.53		435		RIG RELEASE				TIME			
OPERATOR				CONTRACTOR NAME				(3.) H2S Signs Posted if Required										RIG																							WELL TYPE		VERT.		RE-ENTRY		NO	
PARAMOUNT RESOURCES LTD.				PRECISION DRILLING, DIV OF PDC				(4.) Well Licence & Stick Diagram Posted										BOILER																							OPERATOR'S AFE							
SURFACE LOCATION				UNIQUE ID				(5.) Flare Lines Staked										TEMPERATURE																									KELLY BSHG				OP FUEL	
E-72-60 DEG-10-117 DEG-15				300E726010117150				(6.) BOP Drills Performed										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				CONTRACTOR'S JOB NUM		79				
SIGNATURE OF OPERATOR'S REPRESENTATIVE				SIGNATURE OF CONTRACTOR'S RIG MANAGER				(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines										WIND DIRECTION		DC		165		136		DC		57		165		41/2 XH		22		F-800		EMSCO		228.8		TOUR SHEET SERIAL NUM		PREC220_20070226_1C				
BRIAN NEIGUM				DAVE CROWLEY				(1.) Rig Site Health & Safety Meeting (one/crew/month)										S.W. ROAD CONDITION		DP		102		43.2		HWDP		72		134		4FH		8		PZ-7		GARDNER DENVER		178		VENDOR SOFTWARE VERSION		EDR_3-2-4_HF2 ETS 2.2				
								(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)										SLIPPERY		DP		102		23.38		SS/95		82		134		4FH		235														
								(3.) Mast Inspection before Raising or Lowering																																								
								(4.) Crown Saver Checked																																								
								(5.) Motor Kills Checked																																								

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	SHALE SHAKER(S)			RENTALS / SERVICES		MORN	DAY	EVE	
		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	WELD BOWL							NO.	TYPE	TYPE	CREW VEHICLE				
TIME HRS																													1	SWACO							
	MORN					2.25	3.0	0.25			0.25		2.0									0.25						8.00	SCREENS CHANGED		NEW/ USED						
	DAY												1.5	4.0	1.25							0.25	1.0					8.00	TOP		TOP						
	EVE							0.25								5.25	0.75					0.25	1.5					8.00	MIDDLE		MIDDLE						
	TOTAL					2.25	3.00	0.50			0.25			3.50	4.00	6.50	0.75						0.75	2.50					24.00	BOTTOM		BOTTOM					

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				EVENING TOUR		MUD RECORD				METRES DRILLED				TIME LOG																
	BIT		O.D.		BIT NO.				MUD TYPE			WATER BASED				OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS							
					SIZE				TIME														1600	1730	1.50	22	WELD ON BOWL							
					IADC CODE				DENSITY (kg/m3)														1730	2245	5.25	14	NIPPLE UP B.O.P.							
					MANUFACTURER				FUNNEL VISCOSITY														2245	2300	0.25	21	SAFETY MEETING WITH PRESSURE TESTER							
					TYPE				FLUID LOSS (cm3)														2300	2315	0.25	7	RIG SERVICE							
					SERIAL NO.				pH														2315	0000	0.75	15	PRESSURE TEST BLIND RAMS AND HCR 1500/10500 FOR 15 MIN'S.							
					JETS				MUD MATERIALS ADDED		SOLIDS CONTROL				CIRCULATION PRESSURE kPa		PUMP NO. 1		PUMP NO. 2															
					DEPTH OUT (m)				PRODUCT	AMOUNT	UNIT	CENTRIFUGE				LINER SIZE		SPM	LINER SIZE	SPM														
					DEPTH IN (m)							HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	REDUCED PUMP SPEED																		
					TOTAL DRILLED (m)												@		@															
					TOTAL HRS RUN							HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS																		
					CUTTING STRUCTURE												DEPTH (m)		DEVIATION		DIRECTION													
					TI		To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR	BOILERS																			
	D.P.		STANDS																															
	D.P.		SINGLES																															
KELLY DOWN																																		
TOTAL																																		
WT. OF D.C.																							SPECIAL EVENT						SAFETY TOPIC		MEHL		MACP	
WT. OF STRING																							TIME / DEPTH											

EVENING

LICENCE NO.		WELL NAME & NO.		DAILY CHECKS		YEAR		MONTH		DAY		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)		SPUD DATE		2007/02/24		TIME		04:30			
2048		PARA ET AL CAMERON E-72		(1.) Daily Walk Around Inspection		2007		2		27				RIG NO.		220		219.1		205.7		35.7		IPSCO		J-55		32		435.53		.53		435		RIG RELEASE				TIME	
OPERATOR		CONTRACTOR NAME		(3.) H2S Signs Posted if Required		BN		DC		FUEL @ 08:00 HRS				RIG		BOILER																		WELL TYPE		VERT.		RE-ENTRY		NO	
PARAMOUNT RESOURCES LTD.		PRECISION DRILLING, DIV OF PDC		(4.) Well Licence & Stick Diagram Posted		BN		DC		96				TEMPERATURE																				OPERATOR'S AFE							
SURFACE LOCATION		UNIQUE ID		(5.) Flare Lines Staked		BN		DC		-19		CURRENT CONDITIONS		DC / DP		MASS		GRADE		MINIMUM I.D.		T. JNT. O.D.		TYPE THREAD		NO. OF JOINTS		PUMP TYPE		PUMP MANUFACTURER		STROKE LENGTH		KELLY BSHG		OP FUEL					
E-72-60 DEG-10-117 DEG-15		300E726010117150		(6.) BOP Drills Performed		BN		DC		OVERCAST		DC		165		136		DC		57		165		41/2 XH		22		F-800		EMSCO		228.8		CONTRACTOR'S JOB NUM		79					
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER		(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		BN		DC		WIND DIRECTION		DC		102		43.2		HWDP		72		134		4FH		8		PZ-7		GARDNER DENVER		178		TOUR SHEET SERIAL NUM		PREC220_20070227_1C					
BRIAN NEIGUM		DAVE CROWLEY		(8.) Crown Saver Checked		DC		DC		S.W. ROAD CONDITION		DP		102		23.38		SS/95		82		134		4FH		235						VENDOR SOFTWARE VERSION		EDR_3-2-4_HF2 ETS 2.2							
				(9.) Motor Kills Checked		DC		DC		SLIPPERY		DP		102		23.38		SS/95		82		134		4FH		235															

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	SHALE SHAKER(S)			RENTALS / SERVICES			MORN	DAY	EVE	
		RIGUP & TEARDOWN	DRILL ACTUAL	REAMING	CORING	COND MUD & CIRC	TRIPS	RIG SERVICE	REPAIR RIG	CUT OFF DRILL LINE	DEV. SURVEY	WIRELINE LOGS	RUN CSG & CEMENT	WAIT ON CEMENT	NIPPLE UP B.O.P.	TEST B.O.P.	DRILLSTEM TEST	PLUG BACK	SQUEEZE CEMENT	FISHING	DIR. WORK	SAFETY MEETING	DRILL OUT	BOP DRILL							NO.	TYPE	TYPE	CREW VEHICLE				
TIME - HRS																														1	SWACO							
	MORN						2.75			1.0						3.25								0.75	0.25				8.00	SCREENS CHANGED		NEW/USED						
	DAY		3.25			0.25	3.0	0.25			0.25					0.5								0.25	0.25				8.00	38	TOP	TOP						
	EVE		7.0					0.25			0.5														0.25				8.00	MIDDLE	MIDDLE							
	TOTAL		10.25			0.25	5.75	0.50			1.00	0.75				3.75								1.00	0.75				24.00	38	BOTTOM	BOTTOM						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				MUD RECORD				METRES DRILLED					TIME LOG												
				BIT NO.	1			MUD TYPE			WATER BASED	☐	OIL BASED	☐	FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS					
1	BIT	O.D.	.28	SIZE	200			TIME						545	730	D	80	8	1600	2000	4.00	2	DRILL 545 TO 627						
1	TORQUE SUB	160	1.97	IADC CODE				DENSITY (kg/m3)											2000	2015	0.25	10	DEVIATION SURVEY						
1	D.C.	161	9.38	MANUFACTURER	VAREL			FUNNEL VISCOSITY											2015	2130	1.25	2	DRILL F/627 TO654						
1	STAB	191	1.61	FLUID LOSS (cm3)															2130	2145	0.25	10	DEVIATION SURVEY						
1	SHOCK SUB	161	2.12	pH															2145	2200	0.25	7	RIG SERVICE FUNCTION TEST ANNULAR 12 SECS TO CLOSE						
11	D.C.	163	103.72	SERIAL NO.	2426														2200	2215	0.25	2	DRILL F/654 TO 673						
1	JAR	159	4.95	7X	9.5			MUD MATERIALS ADDED				SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2		2215	2230	0.25	23	BOP DRILL WELL SECURE IN 90 SECS				
4	D.C.	163	37.53	JETS				PRODUCT				AMOUNT	UNIT	CENTRIFUGE				LINER SIZE	SPM	LINER SIZE	SPM	2230	0000	1.50	2	DRILL F/673 TO 730			
1	X/O	159	.69	DEPTH OUT (m)				HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	REDUCED PUMP SPEED																	
8	H.W.D.P.	101	74.97	DEPTH IN (m)	435							2073				@	66	@											
				TOTAL DRILLED (m)	295			HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS				DEPTH (m)		DEVIATION		DIRECTION									
				TOTAL HRS RUN	10.25							BOILERS				617	.93												
				CUTTING STRUCTURE				1				2						644	.38				NOTES : FUNCTION CROWN SAVER						
				TI To MDC LOC BRG GAGE ODC REASON PULLED TOTAL RUN m/HR				HRS RUN				8	HRS RUN						VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE										
25	D.P. STANDS	470.88		HOLE CONDITION																									
	D.P. SINGLES	9.39		HOLE DRAG																									
KELLY DOWN			12.51	TORQUE AT BOTTOM																									
TOTAL			730.00	FILL ON BOTTOM (m)												DRILLER SIGNATURE				SPECIAL EVENT			SAFETY TOPIC		MEHL	MACP			
WT. OF D.C.		20						STACK TEMP				370	STACK TEMP		DAVE D CROWLEY				TIME / DEPTH					BOP DRILL		37	3563		
WT. OF STRING		33																											

MORNING

[illegible]

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	SHALE SHAKER(S)		RENTALS / SERVICES			MORN	DAY	EVE	
		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								NO.	TYPE	TYPE	CREW VEHICLE				
TIME - HRS																													1	SWACO							
	MORN		7.25					0.25			0.5																	8.00	SCREENS CHANGED		NEW/USED						
	DAY		7.5								0.5																	8.00	TOP	TOP							
	EVE		5.25			0.5	2.0				0.25																	8.00	MIDDLE	MIDDLE							
	TOTAL		20.00			0.50	2.00	0.25			1.25																	24.00	BOTTOM	BOTTOM							
																												38									

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD			MORNING TOUR			MUD RECORD			METRES DRILLED					TIME LOG								
	BIT	O.D.		.28	BIT NO.	1		MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS			
1	TORQUE SUB	160	1.97	SIZE	200		TIME					730	862	D	100	7.5	0	0045	0.75	2	DRILL F/730 TO 749					
1	D.C.	161	9.38	IADC CODE			DENSITY (kg/m3)										0045	100	0.25	10	DEVIATION SURVEY					
1	STAB	191	1.61	MANUFACTURER	VAREL		FUNNEL VISCOSITY										100	600	5.00	2	DRILL F/749 TO 844					
1	SHOCK SUB	161	2.12	TYPE	MKS55		FLUID LOSS (cm3)										600	615	0.25	7	RIG SERVICE FUNCTION TEST ANNULAR 12 SECS TO CLOSE					
11	D.C.	163	103.72	SERIAL NO.	2426		pH										615	630	0.25	10	DEVIATION SURVEY					
1	JAR	159	4.95	JETS	7X	9.5	MUD MATERIALS ADDED	SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2											
4	D.C.	163	37.53	DEPTH OUT (m)			PRODUCT	AMOUNT	UNIT	CENTRIFUGE				LINER SIZE	SPM	LINER SIZE	SPM									
1	X/O	159	.69	DEPTH IN (m)	435		GEL	35	SX	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	5940	152	100	152									
8	H.W.D.P.	101	74.97	TOTAL DRILLED (m)	427		SODA ASH	1	SX					REDUCED PUMP SPEED												
				TOTAL HRS RUN	17.5		SAWDUST	6	SX					2404	@	65	@									
				CUTTING STRUCTURE			ENVIROFLOC	8	SX	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS												
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR	BOILERS				DEPTH (m)	DEVIATION	DIRECTION							
													1				738	.84								
													2				834	.23					NOTES : FUNCTION TEST CROWN SAVER			
33	D.P.	STANDS	621.67										HRS RUN										VISUALLY INSPECT TONGS LINES BRAKES PINS LINKAGE AND ANCHOR			
	D.P.	SINGLES		HOLE CONDITION									HRS RUN													
KELLY DOWN			3.11	HOLE DRAG									HRS RUN													
TOTAL			862.00	TORQUE AT BOTTOM									HRS RUN													
WT. OF D.C.		20		FILL ON BOTTOM (m)									HRS RUN				DRILLER SIGNATURE			SPECIAL EVENT			SAFETY TOPIC		MEHL	MACP
WT. OF STRING		35											HRS RUN				DAVE D CROWLEY			TIME / DEPTH			CONNECTIONS		40	3563

EVENING

[illegible]

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	SHALE SHAKER(S)			RENTALS / SERVICES			MORN	DAY	EVE	
		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									NO.	TYPE	TYPE	CREW VEHICLE				
T I M E - H R S																														1	SWACO							
	MORN		7.25					0.25			0.5																		8.00	SCREENS CHANGED		NEW/USED						
	DAY		7.5								0.5																	8.00	TOP	TOP								
	EVE		5.25			0.5	2.0				0.25																	8.00	MIDDLE	MIDDLE								
	TOTAL		20.00			0.50	2.00	0.25			1.25																	24.00	BOTTOM	BOTTOM								

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD			EVENING TOUR			MUD RECORD			METRES DRILLED					TIME LOG						
	BIT	O.D.		.28	BIT NO.	1		MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS	
1	TORQUE SUB	160	1.97	SIZE	200		TIME					1107	1193	D	100	6	1600	1615	0.25	10	DEVIATION SURVEY at 1094-LOSSES - .21m3 OVER 23mins			
1	D.C.	161	9.38	IADC CODE			DENSITY (kg/m3)										1615	2130	5.25	2	DRILL 1107 TO 1193			
1	STAB	191	1.61	MANUFACTURER	VAREL		FUNNEL VISCOSITY										2130	2200	0.50	5	CIRCULATE			
1	SHOCK SUB	161	2.12	TYPE	MKS55		FLUID LOSS (cm3)										2200	0000	2.00	6	BIT TRIP FLOW CHECK @1188,1110, TIGHT @1000-850			
11	D.C.	163	103.72	SERIAL NO.	2426		pH																	
1	JAR	159	4.95	JETS	7X	9.5	MUD MATERIALS ADDED			SOLIDS CONTROL			CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2								
4	D.C.	163	37.53				PRODUCT	AMOUNT	UNIT	CENTRIFUGE				LINER SIZE	SPM	LINER SIZE	SPM							
1	X/O	159	.69	DEPTH OUT (m)						HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	9000	152	102	152							
8	H.W.D.P.	101	74.97	DEPTH IN (m)	435									REDUCED PUMP SPEED										
				TOTAL DRILLED (m)	758									3236	@	62	@							
				TOTAL HRS RUN	30.25					HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS										
				CUTTING STRUCTURE										DEPTH (m)	DEVIATION		DIRECTION							
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR	BOILERS			1094	.59							
													1		2									
50	D.P.	STANDS	941.8	HOLE CONDITION							HRS RUN	8	HRS RUN											
1	D.P.	SINGLES	9.58	HOLE DRAG							BOILER pH	11	BOILER pH											
KELLY DOWN			4.4	TORQUE AT BOTTOM							STACK TEMP	360	STACK TEMP		DRILLER SIGNATURE			SPECIAL EVENT			SAFETY TOPIC		MEHL	MACP
TOTAL			1193.00	FILL ON BOTTOM (m)							DAVE D CROWLEY			TIME / DEPTH					TRIPPIN		53	3563		
WT. OF D.C.		20																						
WT. OF STRING		40																						

MORNING

LICENCE NO.	WELL NAME & NO.	DAILY CHECKS						OPR	R.M.														
2048	PARA ET AL CAMERON E-72	(1.) Daily Walk Around Inspection	BN	DC	YEAR 2007	MONTH 3	DAY 1	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)	SPUD DATE	2007/02/24	TIME	04:30		
		(2.) Detailed Inspection - Weekly (Using Check List)	BN	DC	RIG NO.	220			FUEL @ 08:00 HRS	219.1	205.7	35.7	IPSCO	J-55	32	435.53	.53	435	RIG RELEASE		TIME		
		(3.) H2S Signs Posted if Required	BN	DC	RIG		BOILER												WELL TYPE	VERT.	RE-ENTRY	NO	
		(4.) Well Licence & Stick Diagram Posted	BN	DC															OPERATOR'S AFE				
		(5.) Flare Lines Staked	BN	DC	TEMPERATURE															KELLY BSHG			
		(6.) BOP Drills Performed	BN	DC		-22	CURRENT CONDITIONS		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	CONTRACTOR'S JOB NUM			
		(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	BN	DC		LIGHT SNOW	DC		165	136	DC	57	165	41/2 XH	22	F-800	EMSCO	228.8	TOUR SHEET SERIAL NUM				
SURFACE LOCATION		UNIQUE ID			WEATHER	WIND DIRECTION	DP	102	43.2	HWDP	72	134	4FH	8	PZ-7	GARDNER DENVER	178	VENDOR SOFTWARE VERSION	EDR_3-2-4_HF2 ETS 2.2				
E-72-60 DEG-10-117 DEG-15		300E726010117150				S.W.	ROAD CONDITION	DP	102	23.38	SS/95	82	134	4FH	235								
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER				SLIPPERY																	
BRIAN NEIGUM		DAVE CROWLEY																					

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	SHALE SHAKER(S)		RENTALS / SERVICES		MORN	DAY	EVE		
		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									NO.	TYPE	TYPE	CREW VEHICLE			
TIME HRS																														1	SWACO						
	MORN		1.75			0.25	5.5	0.25			0.25																		8.00	SCREENS CHANGED	NEW/USED						
	DAY		7.5					0.25			0.25																	8.00	105	TOP	TOP						
	EVE		7.0			0.5		0.25			0.25																	8.00	MIDDLE	MIDDLE							
	TOTAL		16.25			0.75	5.50	0.75			0.75																	24.00	105	BOTTOM	BOTTOM						

[illegible]

EVENING

[illegible]

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	SHALE SHAKER(S)		RENTALS / SERVICES			MORN	DAY	EVE			
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									NO.	TYPE	TYPE	CREW VEHICLE					
																														1	SWACO								
	MORN		1.75			0.25	5.5	0.25			0.25																	8.00	SCREENS CHANGED	NEW/ USED									
	DAY		7.5					0.25			0.25																	8.00	105	TOP	TOP								
	EVE		7.0			0.5		0.25			0.25																	8.00	MIDDLE	MIDDLE									
TOTAL		16.25			0.75	5.50	0.75			0.75																	24.00	105	BOTTOM	BOTTOM									

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD						EVENING TOUR				MUD RECORD				METRES DRILLED					TIME LOG						
				BIT NO.					MUD TYPE	GEL-CHEM		WATER BASED		X	OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS			
1			.28	BIT NO.	2																								
1	TORQUE SUB	160	1.97	SIZE	200				TIME	2100		2300				1339	1408	D	80	8	1600	2300	7.00	2	DRILL 1339 TO 1408				
1	D.C.	161	9.38	IADC CODE					DENSITY (kg/m3)	1130		1130									2300	2330	0.50	5	CONDITION MUD & CIRCULATE UP SAMPLE				
1	STAB	191	1.61	MANUFACTURER	VAREL				FUNNEL VISCOSITY	95		90									2330	2345	0.25	7	RIG SERVICE FUNCTION TEST PIPES 3 SECS TO CLOSE				
1	SHOCK SUB	161	2.12	TYPE	MKS65				FLUID LOSS (cm3)	12		12									2345	0000	0.25	10	DEVIATION SURVEY				
11	D.C.	163	103.72	SERIAL NO.	2734				pH	10.5		10.5																	
1	JAR	159	4.95	JETS	5X	11.1			MUD MATERIALS ADDED			SOLIDS CONTROL			CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2											
4	D.C.	163	37.53						PRODUCT	AMOUNT	UNIT	CENTRIFUGE			LINER SIZE	SPM	LINER SIZE	SPM											
1	X/O	159	.69	DEPTH OUT (m)	1408				DESCO	2	SX	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	8564	152	102	152										
8	H.W.D.P.	101	74.97	DEPTH IN (m)	1193				GEL	7	SX					REDUCED PUMP SPEED													
				TOTAL DRILLED (m)	215.00							8	1130	1120	1795	5659	@	55	@										
				TOTAL HRS RUN	16.25							HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS													
				CUTTING STRUCTURE									8	1010	1000		DEPTH (m)	DEVIATION		DIRECTION									
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/Hr	BOILERS			1398	.13												
													1		2						NOTES : FUNCTION CROWN SAVER								
61	D.P.	STANDS	1148.89	HOLE CONDITION									HRS RUN	8	HRS RUN						VISUAL INSPECT TONGS,LINES,ANCHORS,BRAKES,PINS,LINKAGE								
1	D.P.	SINGLES	9.57	HOLE DRAG									BOILER pH	11	BOILER pH														
KELLY DOWN			12.32	TORQUE AT BOTTOM									STACK TEMP	370	STACK TEMP		DRILLER SIGNATURE			SPECIAL EVENT			SAFETY TOPIC		MEHL	MACP			
TOTAL			1408.00	FILL ON BOTTOM (m)									DAVE D CROWLEY			TIME / DEPTH					PIPE SPINNER		47	2965					
WT. OF D.C.		20																											
WT. OF STRING		46																											

MORNING

[illegible]

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	SHALE SHAKER(S)			RENTALS / SERVICES			MORN	DAY	EVE	
		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									NO.	TYPE	TYPE	CREW VEHICLE				
TIME HRS																														1	SWACO							
	MORN					2.5	5.25	0.25																					8.00	SCREENS CHANGED		NEW/USED						
	DAY					1.75	5.0					1.0										0.25							8.00	105	TOP	TOP						
	EVE						1.5	0.25					6.25																8.00	MIDDLE	MIDDLE							
	TOTAL					4.25	11.75	0.50					7.25										0.25						24.00	105	BOTTOM	BOTTOM						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				MORNING TOUR				MUD RECORD				METRES DRILLED					TIME LOG						
	BIT	O.D.		.28	BIT NO.	2		MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS				
1	TORQUE SUB	160	1.97	SIZE	200		TIME						1408					0	215	2.25	6	WIPER TRIP FLOW CHECK @1395,1318,1000					
1	D.C.	161	9.38	IADC CODE			DENSITY (kg/m3)											215	315	1.00	5	CONDITION MUD & CIRCULATE					
1	STAB	191	1.61	MANUFACTURER	VAREL		FUNNEL VISCOSITY											315	615	3.00	6	WIPER TRIP#2 @ 1395,1308,926					
1	SHOCK SUB	161	2.12	TYPE	MKS65		FLUID LOSS (cm3)											615	630	0.25	7	RIG SERVICE FUNCTION ANNULAR 12 SEC TO CLOSE					
11	D.C.	163	103.72	SERIAL NO.	2734		pH											630	800	1.50	5	CONDITION MUD & CIRCULATE					
1	JAR	159	4.95	JETS	5X	11.1																					
4	D.C.	163	37.53																								
1	X/O	159	.69																								
8	H.W.D.P.	101	74.97																								
				DEPTH OUT (m)	1408		ALCAPAM 1103D	3	SX	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	8486	152	102	152										
				DEPTH IN (m)	1193		ENVIROFLOC	48	SX					REDUCED PUMP SPEED													
				TOTAL DRILLED (m)	215.00		BARITE	22	SX					5200	@	57	@										
				TOTAL HRS RUN	16.25					HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS													
				CUTTING STRUCTURE										DEPTH (m)	DEVIATION		DIRECTION										
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR		BOILERS													
														1		2											
61	D.P.	STANDS	1148.89	HOLE CONDITION							HRS RUN	8	HRS RUN														
1	D.P.	SINGLES	9.57	HOLE DRAG							BOILER pH	11	BOILER pH		DRILLER SIGNATURE				SPECIAL EVENT			SAFETY TOPIC		MEHL	MACP		
KELLY DOWN			12.32	TORQUE AT BOTTOM							STACK TEMP	360	STACK TEMP		DAVE D CROWLEY				TIME / DEPTH			TRIPPIN		50	3008		
TOTAL			1408.00	FILL ON BOTTOM (m)																							
WT. OF D.C.		20																									
WT. OF STRING		46																									

EVENING

[illegible]

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	SHALE SHAKER(S)		RENTALS / SERVICES		MORN	DAY	EVE		
		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								NO.	TYPE	TYPE	CREW VEHICLE				
TIME HRS																													1	SWACO							
	MORN					2.5	5.25	0.25																				8.00	SCREENS CHANGED		NEW/USED						
	DAY					1.75	5.0					1.0											0.25					8.00	105								
	EVE						1.5	0.25					6.25															8.00	MIDDLE	MIDDLE							
	TOTAL					4.25	11.75	0.50					7.25											0.25					24.00	105	BOTTOM	BOTTOM					

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				EVENING TOUR				MUD RECORD				METRES DRILLED					TIME LOG				
	BIT	O.D.		.28	BIT NO.	2		MUD TYPE		WATER BASED	☐	OIL BASED	☐	FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS		
1	TORQUE SUB	160	1.97	SIZE	200		TIME											1600	2215	6.25	11	WIRELINE LOGS			
1	D.C.	161	9.38	IADC CODE			DENSITY (kg/m3)											2215	2230	0.25	7	RIG SERVICE FUNCTION BLIND RAMS 4 SEC TO CLOSE			
1	STAB	191	1.61	MANUFACTURER	VAREL		FUNNEL VISCOSITY											2230	2400	1.50	6	TRIPS M/U BHA RIH			
1	SHOCK SUB	161	2.12	TYPE	MKS65		FLUID LOSS (cm3)																		
11	D.C.	163	103.72	SERIAL NO.	2734		pH																		
1	JAR	159	4.95	JETS	5X	11.1																			
4	D.C.	163	37.53																						
1	X/O	159	.69																						
8	H.W.D.P.	101	74.97																						
				DEPTH OUT (m)	1408																				
				DEPTH IN (m)	1193																				
				TOTAL DRILLED (m)	215.00																				
				TOTAL HRS RUN	16.25																				
				CUTTING STRUCTURE																					
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR													
61	D.P.	STANDS	1148.89																						
1	D.P.	SINGLES	9.57	HOLE CONDITION																					
KELLY DOWN			12.32	HOLE DRAG																					
TOTAL			1408.00	TORQUE AT BOTTOM																					
WT. OF D.C.		20	FILL ON BOTTOM (m)																						
WT. OF STRING		46																							
							MUD MATERIALS ADDED			SOLIDS CONTROL			CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2									
							PRODUCT	AMOUNT	UNIT	CENTRIFUGE				LINER SIZE	SPM	LINER SIZE	SPM								
										HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY		152		152								
														REDUCED PUMP SPEED											
															@		@								
										HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS											
														DEPTH (m)	DEVIATION		DIRECTION								
										BOILERS															
										1		2													
										HRS RUN	8	HRS RUN													
										BOILER pH	11	BOILER pH													
										STACK TEMP	370	STACK TEMP		DRILLER SIGNATURE				SPECIAL EVENT			SAFETY TOPIC		MEHL	MACP	
														DAVE D CROWLEY				TIME / DEPTH			LOGGIN			3008	

MORNING

LICENCE NO.	WELL NAME & NO.	DAILY CHECKS		OPR	R.M.	YEAR	MONTH	DAY	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)	SPUD DATE	2007/02/24	TIME	04:30	
2048	PARA ET AL CAMERON E-72	(1.) Daily Walk Around Inspection	BN	DC	RIG NO.	220				219.1	205.7	35.7	IPSCO	J-55	32	435.53	.53	435	RIG RELEASE	2007/03/04	TIME	23:59	
OPERATOR	CONTRACTOR NAME	(3.) H2S Signs Posted if Required	BN	DC	FUEL @ 08:00 HRS					139.7	125.7	23.07	IPSCO	J-55	116	1409.23	.6	1408.63	WELL TYPE	VERT.	RE-ENTRY	NO	
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC	(4.) Well Licence & Stick Diagram Posted	BN	DC	RIG		BOILER													OPERATOR'S AFE			
SURFACE LOCATION	UNIQUE ID	(5.) Flare Lines Staked	BN	DC	97	TEMPERATURE		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	KELLY BSHG		OP FUEL	
E-72-60 DEG-10-117 DEG-15	300E726010117150	(6.) BOP Drills Performed					-34																
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER	(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	BN	DC			CURRENT CONDITIONS	DC	165	136	DC	57	165	41/2 XH	22	F-800	EMSCO	228.8	CONTRACTOR'S JOB NUM			79	
BRIAN NEIGUM	DAVE CROWLEY	(1.) Rig Site Health & Safety Meeting (one/crew/month)					OVERCAST	DC	102	43.2	HWDP	72	134	4FH	8	PZ-7	GARDNER DENVER	178	TOUR SHEET SERIAL NUM		PREC220_20070303_1C		
		(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)					WIND DIRECTION	DP	102	43.2	HWDP	72	134	4FH	8				VENDOR SOFTWARE VERSION		EDR_3-2-4_HF2 ETS 2.2		
		(3.) Mast Inspection before Raising or Lowering					S.W.	DP	102	23.38	SS/95	82	134	4FH	235								
		(4.) Crown Saver Checked					ROAD CONDITION	DP	102	23.38	SS/95	82	134	4FH	235								
		(5.) Motor Kills Checked					SLIPPERY	DP	102	23.38	SS/95	82	134	4FH	235								

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	SHALE SHAKER(S)			RENTALS / SERVICES		MORN	DAY	EVE	
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								NO.	TYPE	TYPE	CREW VEHICLE				
																													1	SWACO							
	MORN					1.0	6.0	0.25		0.75																		8.00	SCREENS CHANGED	NEW/USED							
	DAY						4.0	0.25					3.5										0.25						8.00	TOP	TOP						
	EVE						2.75						4.5		0.5								0.25						8.00	MIDDLE	MIDDLE						
TOTAL						3.75	10.00	0.50		0.75			8.00		0.50							0.50						24.00	BOTTOM	BOTTOM							

NO.	DRILLING ASSEMBLY (AT END OF TOUR)	LENGTH	BIT RECORD					MORNING TOUR	MUD RECORD					METRES DRILLED					TIME LOG																		
1	BIT	O.D.	.28	BIT NO.	2			MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS														
1	TORQUE SUB	160	1.97	SIZE	200			TIME											00	0045	0.75	9	CUT OFF DRILLING LINE														
1	D.C.	161	9.38					DENSITY (kg/m3)											0045	100	0.25	7	RIG SERVICE FUNCTION TEST ANNULAR 12 SECS TO CLOSE														
1	STAB	191	1.61	IADC CODE				FUNNEL VISCOSITY											100	315	2.25	6	FINISH RIH														
1	SHOCK SUB	161	2.12	MANUFACTURER	VAREL			FLUID LOSS (cm3)											315	415	1.00	5	CONDITION MUD & CIRCULATE														
11	D.C.	163	103.72	TYPE	MKS65			pH											415	800	3.75	6	LAY OUT STRING FLOW CHECK @1402,1277,703,														
1	JAR	159	4.95	SERIAL NO.	2734																																
4	D.C.	163	37.53		5X	11.1			MUD MATERIALS ADDED			SOLIDS CONTROL			CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2																			
1	X/O	159	.69						PRODUCT	AMOUNT	UNIT	CENTRIFUGE				LINER SIZE	SPM	LINER SIZE	SPM																		
8	H.W.D.P.	101	74.97	JETS								HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	9900	152	100	152																		
					DEPTH OUT (m)	1408										REDUCED PUMP SPEED																					
					DEPTH IN (m)	1193										4901	@	56	@																		
					TOTAL DRILLED (m)	215.00										DEVIATION SURVEYS																					
					TOTAL HRS RUN	16.25						HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY																						
					CUTTING STRUCTURE											DEPTH (m)	DEVIATION		DIRECTION																		
					TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR	BOILERS																							
														1	2																						
61	D.P.	STANDS	1148.89									HRS RUN	8	HRS RUN																							
1	D.P.	SINGLES	9.57	HOLE CONDITION																																	
KELLY DOWN			12.32	HOLE DRAG																																	
TOTAL			1408.00	TORQUE AT BOTTOM																																	
WT. OF D.C.		20		FILL ON BOTTOM (m)																																	
WT. OF STRING		46																																			
										DRILLER SIGNATURE			SPECIAL EVENT											SAFETY TOPIC			MEHL	MACP									
										DAVE D CROWLEY			TIME / DEPTH											LAYIN OUT PIPE			49	3008									

DAY

LICENCE NO.	WELL NAME & NO.	DAILY CHECKS		OPR	R.M.	YEAR	MONTH	DAY	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)	SPUD DATE	2007/02/24	TIME	04:30			
2048	PARA ET AL CAMERON E-72	(1.) Daily Walk Around Inspection	BN	DC	RIG NO.	220				219.1	205.7	35.7	IPSCO	J-55	32	435.53	.53	435	RIG RELEASE	2007/03/04	TIME	23:59			
OPERATOR	CONTRACTOR NAME	(2.) Detailed Inspection - Weekly (Using Check List)	BN	DC	FUEL @ 08:00 HRS						139.7	125.7	23.07	IPSCO	J-55	116	1409.23	.6	1408.63	WELL TYPE	VERT.	RE-ENTRY	NO		
PARAMOUNT RESOURCES LTD.	PRECISION DRILLING, DIV OF PDC	(3.) H2S Signs Posted if Required	BN	DC	RIG		BOILER															OPERATOR'S AFE			
SURFACE LOCATION	UNIQUE ID	(4.) Well Licence & Stick Diagram Posted	BN	DC	97	TEMPERATURE		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	KELLY BSHG		OP FUEL		
E-72-60 DEG-10-117 DEG-15	300E726010117150	(5.) Flare Lines Staked			WEATHER		-34													CONTRACTOR'S JOB NUM		79			
SIGNATURE OF OPERATOR'S REPRESENTATIVE	SIGNATURE OF CONTRACTOR'S RIG MANAGER	(6.) BOP Drills Performed			CURRENT CONDITIONS		OVERCAST	DC	165	136	DC	57	165	41/2 XH	22	F-800	EMSCO		228.8	TOUR SHEET SERIAL NUM		PREC220_20070303_1C			
BRIAN NEIGUM	DAVE CROWLEY	(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines	DC		WIND DIRECTION		S.W.	DP	102	43.2	HWDP	72	134	4FH	8	PZ-7	GARDNER DENVER		178	VENDOR SOFTWARE VERSION		EDR_3-2-4_HF2 ETS 2.2			
		(1.) Rig Site Health & Safety Meeting (one/crew/month)			ROAD CONDITION		SLIPPERY	DP	102	23.38	SS/95	82	134	4FH	235										
		(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)																							
		(3.) Mast Inspection before Raising or Lowering																							
		(4.) Crown Saver Checked																							
		(5.) Motor Kills Checked																							

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	SHALE SHAKER(S)			RENTALS / SERVICES		MORN	DAY	EVE
		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								NO.	TYPE	TYPE	CREW VEHICLE			
TIME - HRS																													1	SWACO						
	MORN					1.0	6.0	0.25		0.75																		8.00	SCREENS CHANGED		NEW/ USED					
	DAY						4.0	0.25					3.5									0.25						8.00	TOP		TOP					
	EVE					2.75							4.5		0.5							0.25						8.00	MIDDLE		MIDDLE					
	TOTAL					3.75	10.00	0.50		0.75			8.00		0.50							0.50						24.00	BOTTOM		BOTTOM					

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				DAY TOUR		MUD RECORD				METRES DRILLED				TIME LOG																	
	BIT	O.D.		BIT NO.				MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS												
				SIZE				TIME		900									800	1200	4.00	6	POOH- LAY DOWN PIPE BREAK KELY AND SUBS BLOW LINES												
				IADC CODE				DENSITY (kg/m3)		1110									1200	1215	0.25	7	RIG SERVICE FUNCTION BLIND RAMS 3 SEC TO CLOSE												
				MANUFACTURER				FUNNEL VISCOSITY		65									1215	1230	0.25	21	SAFETY MEETING W/ TONG HAND- ELEVATORS-# 55576												
				TYPE				FLUID LOSS (cm3)											1230	1600	3.50	12	RIG UPTO RUN CASING AND RUN CASING												
				SERIAL NO.				pH		10																									
				JETS				MUD MATERIALS ADDED			SOLIDS CONTROL			CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2																		
								PRODUCT	AMOUNT	UNIT	CENTRIFUGE				LINER SIZE	SPM	LINER SIZE	SPM																	
				DEPTH OUT (m)				BARITE	10	SX	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY		152		152																	
				DEPTH IN (m)				HUMALITE	3	SX					REDUCED PUMP SPEED																				
				TOTAL DRILLED (m)				DESCO	1	SX					@		@																		
				TOTAL HRS RUN				ALKAPAM 1103D	3	SX	HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS																				
				CUTTING STRUCTURE				ENVIROFLOC	2	SX					DEPTH (m)	DEVIATION		DIRECTION																	
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR		BOILERS																					
														1			2																		
	D.P.	STANDS												HRS RUN	8		HRS RUN																		
	D.P.	SINGLES		HOLE CONDITION																															
KELLY DOWN				HOLE DRAG										BOILER pH	11		BOILER pH		DRILLER SIGNATURE				SPECIAL EVENT									SAFETY TOPIC		MEHL	MACP
TOTAL				TORQUE AT BOTTOM															JACK HUSTON				TIME / DEPTH									CASING		30	3008
WT. OF D.C.														STACK TEMP	360		STACK TEMP																		
WT. OF STRING				FILL ON BOTTOM (m)																															

EVENING

LICENCE NO.		WELL NAME & NO.		DAILY CHECKS										YEAR		MONTH		DAY		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)		SPUD DATE		2007/02/24		TIME		04:30	
2048		PARA ET AL CAMERON E-72		(1.) Daily Walk Around Inspection										RIG NO.		220		219.1				205.7		35.7		IPSCO		J-55		32		435.53		.53		435		RIG RELEASE		2007/03/04		TIME		23:59			
OPERATOR				CONTRACTOR NAME										FUEL @ 08:00 HRS		139.7		125.7				23.07		IPSCO		J-55		116		1409.23		.6		1408.63		WELL TYPE		VERT.		RE-ENTRY		NO					
PARAMOUNT RESOURCES LTD.				PRECISION DRILLING, DIV OF PDC										RIG		97																				OPERATOR'S AFE											
SURFACE LOCATION				UNIQUE ID										TEMPERATURE																						KELLY BSHG				OP FUEL							
E-72-60 DEG-10-117 DEG-15				300E726010117150										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		CONTRACTOR'S JOB NUM		79									
SIGNATURE OF OPERATOR'S REPRESENTATIVE				SIGNATURE OF CONTRACTOR'S RIG MANAGER										WIND DIRECTION		DC		165		136		DC		57		165		41/2 XH		22		F-800		EMSCO		228.8		TOUR SHEET SERIAL NUM		PREC220_20070303_1C							
BRIAN NEIGUM				DAVE CROWLEY										S.W. ROAD CONDITION		DP		102		43.2		HWDP		72		134		4FH		8		PZ-7		GARDNER DENVER		178		VENDOR SOFTWARE VERSION		EDR_3-2-4_HF2 ETS 2.2							
(5.) Motor Kills Checked														SLIPPERY		DP		102		23.38		SS/95		82		134		4FH		235																	

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	SHALE SHAKER(S)			RENTALS / SERVICES			MORN	DAY	EVE	
		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								NO.	TYPE	TYPE	CREW VEHICLE					
TIME HRS																													1	SWACO								
	MORN					1.0	6.0	0.25		0.75																		8.00	SCREENS CHANGED		NEW/ USED							
	DAY						4.0	0.25					3.5										0.25					8.00	TOP		TOP							
	EVE					2.75							4.5		0.5								0.25					8.00	MIDDLE		MIDDLE							
	TOTAL					3.75	10.00	0.50		0.75				8.00		0.50							0.50					24.00	BOTTOM		BOTTOM							

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				EVENING TOUR		MUD RECORD				METRES DRILLED				TIME LOG															
	BIT	O.D.		BIT NO.				MUD TYPE	GEL-CHEM	WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS										
				SIZE				TIME		2200									1600	1815	2.25	12	RUN CASING										
				IADC CODE				DENSITY (kg/m3)		1120									1815	2100	2.75	5	CONDITION MUD & CIRCULATE										
				MANUFACTURER				FUNNEL VISCOSITY		43									2100	2115	0.25	21	SAFETY MEETING WITH CEMENTERS										
				TYPE				FLUID LOSS (cm3)		14									2115	2330	2.25	12	CEMENT CASING										
				SERIAL NO.				pH		10									2330	0000	0.50	14	NIPPLE DWN										
				JETS				MUD MATERIALS ADDED			SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2						CEMENT THE PRODUCTION CASING WITH 22 TONNE OF THIXLITE + 1% SMS									
								PRODUCT	AMOUNT	UNIT	CENTRIFUGE				LINEAR SIZE	SPM	LINEAR SIZE	SPM					& 11 TONNE OF EXPANDOMIX LWL; +.1% CFL-3 +.2% LTR + .2% SPC-II, WE GOT BACK										
				DEPTH OUT (m)				HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	REDUCED PUMP SPEED											2.2M3 OF GOOD CEMENT RETUTRN'S, PLUG DOWN AT 23:12 HRS MAR 3/07 BJN										
				DEPTH IN (m)								@						@															
				TOTAL DRILLED (m)				HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS				DEPTH (m)		DEVIATION		DIRECTION													
				TOTAL HRS RUN								BOILERS																					
				CUTTING STRUCTURE				1				2																					
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR	HRS RUN				8	HRS RUN															
	D.P.	STANDS		HOLE CONDITION								HRS RUN				11	BOILER pH																
	KELLY DOWN			HOLE DRAG								BOILER pH				11	BOILER pH																
	TOTAL			TORQUE AT BOTTOM								STACK TEMP				370	STACK TEMP																
	WT. OF D.C.			FILL ON BOTTOM (m)												DRILLER SIGNATURE				SPECIAL EVENT						SAFETY TOPIC		MEHL		MACP			
	WT. OF STRING															DAVE D CROWLEY				TIME / DEPTH						CEMENTING				3008			

MORNING

LICENCE NO.		WELL NAME & NO.		DAILY CHECKS										YEAR		MONTH		DAY		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)		SPUD DATE		2007/02/24		TIME		04:30	
2048		PARA ET AL CAMERON E-72		(1.) Daily Walk Around Inspection										RIG NO.		220		219.1				205.7		35.7		IPSCO		J-55		32		435.53		.53		435		RIG RELEASE		2007/03/04		TIME		23:59			
OPERATOR				CONTRACTOR NAME										(3.) H2S Signs Posted if Required		FUEL @ 08:00 HRS																				WELL TYPE		VERT.		RE-ENTRY		NO					
PARAMOUNT RESOURCES LTD.				PRECISION DRILLING, DIV OF PDC										(4.) Well Licence & Stick Diagram Posted		RIG		BOILER																		OPERATOR'S AFE											
SURFACE LOCATION				UNIQUE ID										(5.) Flare Lines Staked		80																				KELLY BSHG				OP FUEL							
E-72-60 DEG-10-117 DEG-15				300E726010117150										(6.) BOP Drills Performed		TEMPERATURE																				CONTRACTOR'S JOB NUM		79									
SIGNATURE OF OPERATOR'S REPRESENTATIVE				SIGNATURE OF CONTRACTOR'S RIG MANAGER										(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		WEATHER																		TOUR SHEET SERIAL NUM		PREC220_20070304_1C											
BRIAN NEIGUM				DAVE CROWLEY										(1.) Rig Site Health & Safety Meeting (one/crew/month)		CURRENT CONDITIONS		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									
														(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		OVERCAST		DC		165		136		DC		57		165		41/2 XH		22		F-800		EMSCO		228.8									
														(3.) Mast Inspection before Raising or Lowering		WIND DIRECTION		DC		102		43.2		HWDP		72		134		4FH		8		PZ-7		GARDNER DENVER		178									
														(4.) Crown Saver Checked		S.W.		DP		102		23.38		SS/95		82		134		4FH		235															
														(5.) Motor Kills Checked		ROAD CONDITION		DP		102		23.38		SS/95		82		134		4FH		235															
																SLIPPERY		DP		102		23.38		SS/95		82		134		4FH		235															

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	SHALE SHAKER(S)			RENTALS / SERVICES			MORN	DAY	EVE	
		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								NO.	TYPE	TYPE	CREW VEHICLE					
TIME - HRS																													1	SWACO								
	MORN	1.0											3.25		3.0								0.75					8.00	SCREENS CHANGED		NEW/ USED							
	DAY	8.0																									8.00	TOP		TOP								
	EVE	8.0																									8.00	MIDDLE		MIDDLE								
	TOTAL	17.00												3.25		3.00								0.75				24.00	BOTTOM		BOTTOM							

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				MORNING TOUR		MUD RECORD				METRES DRILLED				TIME LOG																		
	BIT		O.D.		BIT NO.				MUD TYPE			WATER BASED			OIL BASED			FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS									
					SIZE				TIME														0	300	3.00	14	NIPPLE DWN									
					IADC CODE				DENSITY (kg/m3)														300	345	0.75	22	SET CASING SLIPS AT 33,000 DaN									
					MANUFACTURER				FUNNEL VISCOSITY														345	700	3.25	12	CEMENT ANULAS BETWEEN SURFACE AND CONDUCTOR									
					TYPE				FLUID LOSS (cm3)														700	800	1.00	1	TEAR DOWN									
					SERIAL NO.				pH																											
					JETS				MUD MATERIALS ADDED		SOLIDS CONTROL		CIRCULATION PRESSURE kPa		PUMP NO. 1		PUMP NO. 2																			
									PRODUCT	AMOUNT	UNIT	CENTRIFUGE		LINER SIZE		SPM	LINER SIZE	SPM																		
					DEPTH OUT (m)							HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	152			152																	
					DEPTH IN (m)								REDUCED PUMP SPEED																							
					TOTAL DRILLED (m)								@					@																		
					TOTAL HRS RUN								HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS																			
					CUTTING STRUCTURE												DEPTH (m)				DEVIATION	DIRECTION														
					TI		To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR	BOILERS																					
	D.P.		STANDS										1				2																			
	D.P.		SINGLES		HOLE CONDITION								HRS RUN	8	HRS RUN																					
KELLY DOWN					HOLE DRAG								BOILER pH	11	BOILER pH																					
TOTAL					TORQUE AT BOTTOM								STACK TEMP	370	STACK TEMP		DRILLER SIGNATURE				SPECIAL EVENT						SAFETY TOPIC		MEHL		MACP					
WT. OF D.C.				FILL ON BOTTOM (m)												DAVE D CROWLEY				TIME / DEPTH																
WT. OF STRING																																				

DAY

LICENCE NO.		WELL NAME & NO.		DAILY CHECKS										YEAR		MONTH		DAY		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)		SPUD DATE		2007/02/24		TIME		04:30	
2048		PARA ET AL CAMERON E-72		(1.) Daily Walk Around Inspection										RIG NO.		220		219.1				205.7		35.7		IPSCO		J-55		32		435.53		.53		435		RIG RELEASE		2007/03/04		TIME		23:59			
OPERATOR				CONTRACTOR NAME										(3.) H2S Signs Posted if Required		FUEL @ 08:00 HRS																				WELL TYPE		VERT.		RE-ENTRY		NO					
PARAMOUNT RESOURCES LTD.				PRECISION DRILLING, DIV OF PDC										(4.) Well Licence & Stick Diagram Posted		RIG		BOILER																		OPERATOR'S AFE											
SURFACE LOCATION				UNIQUE ID										(5.) Flare Lines Staked		80																				KELLY BSHG				OP FUEL							
E-72-60 DEG-10-117 DEG-15				300E726010117150										(6.) BOP Drills Performed		TEMPERATURE																						CONTRACTOR'S JOB NUM		79							
SIGNATURE OF OPERATOR'S REPRESENTATIVE				SIGNATURE OF CONTRACTOR'S RIG MANAGER										(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		WEATHER																				TOUR SHEET SERIAL NUM		PREC220_20070304_1C									
BRIAN NEIGUM				DAVE CROWLEY										(1.) Rig Site Health & Safety Meeting (one/crew/month)		CURRENT CONDITIONS		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									
														(2.) CAODC Rig Safet Inspection Checklist (one/rig/month)		OVERCAST		DC		165		136		DC		57		165		41/2 XH		22		F-800		EMSCO		228.8									
														(3.) Mast Inspection before Raising or Lowering		WIND DIRECTION		DC		102		43.2		HWDP		72		134		4FH		8		PZ-7		GARDNER DENVER		178									
														(4.) Crown Saver Checked		S.W.		DP		102		23.38		SS/95		82		134		4FH		235															
														(5.) Motor Kills Checked		ROAD CONDITION		DP		102		23.38		SS/95		82		134		4FH		235															
																SLIPPERY		DP		102		23.38		SS/95		82		134		4FH		235															

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	SHALE SHAKER(S)			RENTALS / SERVICES			MORN	DAY	EVE	
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							TOTALS	NO. 1	TYPE	TYPE	CREW VEHICLE					
	MORN	1.0											3.25		3.0								0.75					8.00	SCREENS CHANGED		NEW/ USED							
	DAY	8.0																									8.00	TOP		TOP								
	EVE	8.0																									8.00	MIDDLE		MIDDLE								
	TOTAL	17.00												3.25		3.00								0.75				24.00	BOTTOM		BOTTOM							

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				DAY TOUR		MUD RECORD				METRES DRILLED				TIME LOG																								
	BIT		O.D.		BIT NO.				MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS																		
					SIZE				TIME											800	1600	8.00	1	TEAR DOWN																		
					IADC CODE				DENSITY (kg/m3)																																	
					MANUFACTURER				FUNNEL VISCOSITY																																	
					TYPE				FLUID LOSS (cm3)																VISUALY INSPECT DERICK AND LAY OVER DC.																	
					SERIAL NO.				pH																																	
					JETS				MUD MATERIALS ADDED		SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2																								
									PRODUCT		AMOUNT		UNIT		CENTRIFUGE				LINER SIZE	SPM	LINER SIZE	SPM																				
					DEPTH OUT (m)										HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	REDUCED PUMP SPEED																							
					DEPTH IN (m)															@		@																				
					TOTAL DRILLED (m)										HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS																							
					TOTAL HRS RUN															DEPTH (m)				DEVIATION		DIRECTION																
					CUTTING STRUCTURE																																					
					TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR	BOILERS																												
														1		2																										
	D.P.		STANDS		HOLE CONDITION										HRS RUN	8	HRS RUN																									
KELLY DOWN					HOLE DRAG										BOILER pH	11	BOILER pH						DRILLER SIGNATURE				SPECIAL EVENT						SAFETY TOPIC		MEHL		MACP					
TOTAL					TORQUE AT BOTTOM										STACK TEMP	360	STACK TEMP						JACK HUSTON				TIME / DEPTH															
WT. OF D.C.					FILL ON BOTTOM (m)																																					
WT. OF STRING																																										

EVENING

LICENCE NO.		WELL NAME & NO.		DAILY CHECKS		YEAR		MONTH		DAY		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)		SPUD DATE		2007/02/24		TIME		04:30					
2048		PARA ET AL CAMERON E-72		(1.) Daily Walk Around Inspection		2007		3		4				RIG NO.		220		219.1		205.7		35.7		IPSCO		J-55		32		435.53		.53		435		RIG RELEASE		2007/03/04		TIME		23:59	
OPERATOR		CONTRACTOR NAME		(3.) H2S Signs Posted if Required		FUEL @ 08:00 HRS		RIG		BOILER				139.7		125.7		23.07		IPSCO		J-55		116		1409.23						WELL TYPE		VERT.		RE-ENTRY		NO					
PARAMOUNT RESOURCES LTD.		PRECISION DRILLING, DIV OF PDC		(4.) Well Licence & Stick Diagram Posted		80		TEMPERATURE																								OPERATOR'S AFE											
SURFACE LOCATION		UNIQUE ID		(5.) Flare Lines Staked		-44		CURRENT CONDITIONS		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		KELLY BSHG		OP FUEL							
E-72-60 DEG-10-117 DEG-15		300E726010117150		(6.) BOP Drills Performed		OVERCAST		WIND DIRECTION		DC		165		136		DC		57		165		41/2 XH		22		F-800		EMSCO		228.8		CONTRACTOR'S JOB NUM		79									
SIGNATURE OF OPERATOR'S REPRESENTATIVE		SIGNATURE OF CONTRACTOR'S RIG MANAGER		(7.) Visually Inspect BOPs- Flare Lines & Degasser Lines		ROAD CONDITION		S.W.		DP		102		43.2		HWDP		72		134		4FH		8		PZ-7		GARDNER DENVER		178		TOUR SHEET SERIAL NUM		PREC220_20070304_1C									
BRIAN NEIGUM		DAVE CROWLEY		(8.) Motor Kills Checked		SLIPPERY		ROAD CONDITION		DP		102		23.38		SS/95		82		134		4FH		235						VENDOR SOFTWARE VERSION		EDR_3-2-4_HF2 ETS 2.2											

[illegible][illegible]

EVENING

[illegible]

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	SHALE SHAKER(S)		RENTALS / SERVICES		MORN	DAY	EVE		
	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								NO.	TYPE	TYPE	CREW VEHICLE				
MORN	8.0																										8.00	SCREENS CHANGED	SWACO	NEW/USED						
DAY	12.0																										12.00	TOP	105	TOP						
EVE																													MIDDLE		MIDDLE					
TOTAL	20.00																										20.00	BOTTOM	105	BOTTOM						

NO.	DRILLING ASSEMBLY (AT END OF TOUR)		LENGTH	BIT RECORD				EVENING TOUR		MUD RECORD		METRES DRILLED					TIME LOG											
	BIT	O.D.		BIT NO.				MUD TYPE		WATER BASED		OIL BASED		FROM	TO	D-R-C	RPM	WOB	FROM	TO	ELAPSED TIME	CODE	DETAILS OF OPERATIONS IN SEQUENCE & REMARKS					
				SIZE				TIME																				
				IADC CODE				DENSITY (kg/m3)																				
				MANUFACTURER				FUNNEL VISCOSITY																				
				TYPE				FLUID LOSS (cm3)																				
				SERIAL NO.				pH																				
				JETS				MUD MATERIALS ADDED			SOLIDS CONTROL				CIRCULATION PRESSURE kPa	PUMP NO. 1		PUMP NO. 2										
																PRODUCT		AMOUNT	UNIT					CENTRIFUGE				LINER SIZE
				DEPTH OUT (m)										HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY		152		152							
				DEPTH IN (m)														REDUCED PUMP SPEED										
				TOTAL DRILLED (m)														@		@								
				TOTAL HRS RUN										HOURS RUN	INTAKE DENSITY (kg/m3)	OVER FLOW DENSITY	UNDER FLOW DENSITY	DEVIATION SURVEYS										
				CUTTING STRUCTURE														DEPTH (m)		DEVIATION		DIRECTION						
				TI	To	MDC	LOC	BRG	GAGE	ODC	REASON PULLED	TOTAL RUN m/HR	BOILERS															
													1		2													
	D.P.	STANDS		HOLE CONDITION										HRS RUN	0	HRS RUN												
	D.P.	SINGLES												BOILER pH		BOILER pH												
	KELLY DOWN			HOLE DRAG										STACK TEMP		STACK TEMP		DRILLER SIGNATURE				SPECIAL EVENT			SAFETY TOPIC		MEHL	MACP
	TOTAL			TORQUE AT BOTTOM																		TIME / DEPTH						
	WT. OF D.C.			FILL ON BOTTOM (m)																								
	WT. OF STRING																											

