



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 3/3/2010

Report #: 13.0

Depth Progress:

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 86,168

Cum Cost to Date: 846,010

API/JWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30		Rig Release Date 3/3/2010 11:59:59 PM	DFS: 10.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

Daily Operations

Depth Start (mKB)	Depth End (mKB)	Target Formation Sulphur Point	Target Depth (mKB) 1,510.00
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Weather Overcast	Temperature (°C) -3	Lease Condition Frozen / Ice/ Poor Ice Cover
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Operation at 6am

Rigging out.

Operations Summary

Circulate and condition hole while waiting on Sanjel cementers due to road closure. Cool cement water. Rig in Sanjel and cement casing with 27 tonne of Thixlite plus 0.4% LTR mixed at 1507 kg/m3 lead cement from 1000m to surface and 9 tonne of Expandomix LWL plus 0.15% CFL-3 plus 0.3% LTR mixed at 1770 kg/m3 tail cement from 1518m - 1000m. Displaced with 19.2m2 H2O. Good returns throughout, 2m3 good cement returns. Did not bump plug. Annulus static after job. WOC. Rig out BOP equipment. Set casing slips with 30 daN. Install seal and wellhead bottom section. Test seal to 16800kpa. Install wellhead top section. Clean tanks, strip mud, and rig down for move. Rig released at 24:00hr

Operations Next Report Period

Rig Down. Wait for night to move equipment off location

Remarks

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
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DAILY CONTACTS

Title Drilling Supt	Job Contact DICK HEENAN	Phone Mobile 403-818-4408
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-382-8968
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 405-451-7082

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Rig Service	RIG SERVICE FUNCTION ANNULAR 7 SECS CLOSED
00:15	08:00	7.75	8.00	W/O Cementer	W/O CEMENTER - CIRCULATE CASING
08:00	09:00	1.00	9.00	W/O Cementer	W/O CEMENTER
09:00	10:00	1.00	10.00	Other	CEMENTERS RIGGING IN THEIR LINES
10:00	10:15	0.25	10.25	Safety meeting	SAFETY MEETING WITH SANJEL CEMENTING SERVICES
10:15	12:15	2.00	12.25	Condition mud & circulate	CIRCULATE AND COOL WATER FOR CEMENT JOB
12:15	14:00	1.75	14.00	Cementing	CEMENTING CASING
14:00	18:00	4.00	18.00	Wait on cement	WAIT ON CEMENT
18:00	20:00	2.00	20.00	Nipple down BOPs	NIPPLE DOWN BOPS, SET SLIPS, CUT CASING, LAY OUT BOP STACK
20:00	22:00	2.00	22.00	Install wellhead/tree	INSTALL WELLHEAD/TREE
22:00	00:00	2.00	24.00	Tear down	TEAR DOWN RIG, SPOT LOADS ON SIDE OF LEASE WAIT ON FROST

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³) 1129.0	Sand (%)	Solids (%) 5.0	Temp Bottom Hole (°C) 50	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 1,159	Mud Cum To Date 39,406		
Depth (mKB) 1,520.00	Density (kg/m³) 1080.0	Funnel Viscosity (s/L) 50	pH	PV Override (cp) 22.0	YP Override (Pa) 11.000	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
DESCO CF		1.0
ALKAPAM A1103D	211.93	1.0
ENVIROFLOC	43.63	6.0
ALKAPAM A1103D	211.93	2.0
ENVIROFLOC	43.63	6.0



Daily Drilling

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Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 3/3/2010

Report #: 13.0

Depth Progress:

Total AFE Amount: 1,523,800

AFE Number: 09N010007

Daily Cost: 86,168

Cum Cost to Date: 846,010

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date 3/3/2010 11:59:59 PM	DFS: 10.48 days	
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

MUD PUMPS

Pump Number		Rod Diameter (mm)		Pump Rating (kW)	
1					
Pressure (kPa)	Slow Speed Check?	No	Strokes (spm)	69	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check?	Yes	Strokes (spm)	69	Volumetric Efficiency (%)
5,000					
Pressure (kPa)	Slow Speed Check?	No	Strokes (spm)	0	Volumetric Efficiency (%)
Pump Number		Rod Diameter (mm)		Pump Rating (kW)	
2					
Pressure (kPa)	Slow Speed Check?	No	Strokes (spm)	0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check?	No	Strokes (spm)	0	Volumetric Efficiency (%)
		No	Strokes (spm)	0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check?	No	Strokes (spm)	0	Volumetric Efficiency (%)

BIT SUMMARY

Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
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DRILLING SUMMARY

Drilling Summary						
Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS

Date	Type	Description
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SAFETY INCIDENTS

Date	Comment	Type
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WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)
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SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
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FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Wabamun Grp	583.00	582.98
Fort Simpson	757.00	757.00
Beaverhill Lake Fm		



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 3/2/2010

Report #: 12.0

Depth Progress: 0.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 155,380

Cum Cost to Date: 760,428

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 9.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

Daily Operations

Depth Start (mKB) 1,520.2	Depth End (mKB) 1,520.2	Target Formation Sulphur Point	Target Depth (mKB) 1,510.00
Weather Overcast	Temperature (°C) 2	Lease Condition Frozen / Ice/ Standing Water	

Operation at 6am

Wait on cement and cementers due to road closure

Operations Summary

Complete open hole logging program with Weatherford Run #1 sti/mda/neutron/sped/gamma. Rig out loggers. Trip in the hole to 1496m. Wash light fill from 1510m - 1520m. Circulate and condition hole to run casing. Trip out of hole and lay down drill string. Rig up floor to run to run production casing. Run 122 joints of 139.7mm, J-55, 20.83kg casing to 1514m. Wash casing to bottom at 1520m. Circulate and condition hole at 1518m for cementing while waiting on Sanjel cementers due to road closure.

Operations Next Report Period

Wait on cementers due to road closure. Cement 139.7mm casing. WOC. Set slips and install wellhead. Release rig.

Remarks

Hole good on trip out. Drilling fluid is starting to develop a smell. Chemcide ordered for delivery tomorrow morning. Roads from plant north to rig locations deteriorated. Location B-09 snow cover deteriorated. Temperature day high 7C night low 2C.

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
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DAILY CONTACTS

Title Drilling Supt	Job Contact DICK HEENAN	Phone Mobile 403-818-4408
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-382-8968
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 405-451-7082

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	03:30	3.50	3.50	Wireline logs	WIRELINE LOGS #1 STI/MDA/NEUTRON/SPED/GAMMA
03:30	03:45	0.25	3.75	Rig Service	RIG SERVICE FUNCTION BLINDRAMS OUT OF HOLE - 4 SECS CLOSED
03:45	06:00	2.25	6.00	Trips	TRIPS IN BIT #3RR, FLOW CHECK 204M, 759M, FILL PIPE
06:00	06:15	0.25	6.25	Safety meeting	CREW CHANGE MEETING
06:15	08:00	1.75	8.00	Trips	TRIPS IN BIT #3RR FC @ 1095,1496M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE, FUNCTIONED PIPE RAMS C/O 5 SECONDS
08:15	09:15	1.00	9.25	Condition mud & circulate	CONDITION MUD & CIRCULATE
09:15	14:30	5.25	14.50	Trips	TRIPS, LAY DOWN STRING, FC @ 1508,1444,760,130,0M
14:30	14:45	0.25	14.75	Safety meeting	SAFETY MEETING WITH TOTAL DEPTH POWER TONGS
14:45	18:00	3.25	18.00	Run casing	RIG IN AND RUN CASING
18:00	18:15	0.25	18.25	Safety meeting	SAFETY MEETING -CREW CHANGE
18:15	18:45	0.50	18.75	Run casing & cementing	RUN 139.7MM CASING
18:45	19:45	1.00	19.75	Condition mud & circulate	FILL PIPE & CIRCULATE CASING @ 1030M
19:45	20:00	0.25	20.00	Run casing & cementing	RUN 139.7MM CASING
20:00	21:00	1.00	21.00	Run casing & cementing	RUN CASING
21:00	00:00	3.00	24.00	Condition mud & circulate	CONDITION MUD & CIRCULATE CASING, WAIT ON CEMENTERS



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MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L) 1,500	Calcium (mg/L) 350	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³) 1129.0	Sand (%)	Solids (%) 5.0	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 586	Mud Cum To Date 38,247		
Depth (mKB) 1,518.15	Density (kg/m³) 1080.0	Funnel Viscosity (s/L) 60	pH 11.0	PV Override (cp) 22.0	YP Override (Pa) 11.000	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
DESCO CF		1.0
LIME	15.38	2.0
ALKAPAM A1103D	211.93	2.0
ENVIROFLOC	43.63	3.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 75
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 69
Pump Number 2	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0

BIT SUMMARY

Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)

DRILLING SUMMARY

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS

Date	Type	Description
3/2/2010	Safety Meeting	RUN CASING

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Wabamun Grp	583.00	582.98
Fort Simpson	757.00	757.00



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 3/1/2010

Report #: 11.0

Depth Progress: 28.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 33,302

Cum Cost to Date: 605,048

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30		Rig Release Date	DFS: 8.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation	Target Depth (mKB)
1,492.2	1,520.2	Sulphur Point	1,510.00
Weather	Temperature (°C)	Lease Condition	
Overcast	3	Frozen / Ice/ Standing Water	
Operation at 6am			
Trip in hole to lay down drill string.			
Operations Summary			
Drill from 1492m - 1520m TD. Circulate bottom hole sample. Pump out 4 singles and wash back to bottom. Circulate hole clean. Wiper trip out to casing shoe at 390m. Cut and slip drill line. Wiper trip in to bridge at 1478m. Ream through bridge from 1478m - 1484m and wash to bottom. Circulate hole clean. Wiper trip #2 to 1025m. Circulate hole clean. Trip out of hole with pipe strap to log. Hold safety meeting with Weatherford loggers, rig in loggers and make Run #1 sti/mda/neutron/sped/gamma. Loggers tag bottom at 1511m at 22:50 hr.			
Operations Next Report Period			
Complete logging program. Rig out loggers. Trip in and condition hole for casing. Trip out and lay down drill string. Run 139.7mm production casing.			
Remarks			
Tight hole on wiper trip #1 Tooh from 1470m - 1405m and on wiper trip #1 Tih from 1032m - 1039m. Hole good on wiper trip #2. Fill on bottom after wiper trip #2 was a soft 4m. Strap result was 1520.11m.			
Temperature - daylight high 6C night low 2C			
Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)

DAILY CONTACTS			
Title Drilling Supt	Job Contact DICK HEENAN	Phone Mobile 403-818-4408	
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-382-8968	
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 405-451-7082	

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Rig Service	RIG SERVICE FUNCTION PIPE RAMS 3 SECS CLOSED
00:15	02:30	2.25	2.50	Drill	DRILL 1492M - 1520M
02:30	02:45	0.25	2.75	Deviation survey	DEVIATION SURVEY 1517M @ 0.50 DEG.
02:45	03:00	0.25	3.00	Condition mud & circulate	CONDITION MUD & CIRCULATE BOTTOMS HOLE SAMPLE
03:00	03:45	0.75	3.75	Condition mud & circulate	PUMP OUT 4 SINGLE TO 1470M, WASH TO BTM, 1M FILL
03:45	04:45	1.00	4.75	Condition mud & circulate	CONDITION MUD & CIRCULATE HOLE CLEAN
04:45	06:00	1.25	6.00	Trips	WIPER TRIP TO SHOE, PIPE SPINNER OUT, FLOW CHECK 1508M, 1431M, 760M
06:00	06:15	0.25	6.25	Safety meeting	CREW CHANGE MEETING
06:15	07:30	1.25	7.50	Trips	WIPER TRIP TO SHOE, FLOW CHECK @380M
07:30	08:00	0.50	8.00	Cut off Drill Line	CUT OFF DRILL LINE
08:00	08:45	0.75	8.75	Trips	TRIPS, RIH, FC @ 380,820M
08:45	09:00	0.25	9.00	Condition mud & circulate	FILL DRILL PIPE
09:00	10:15	1.25	10.25	Trips	TRIPS, RIH, FC @ 1478M
10:15	11:00	0.75	11.00	Ream & Clean	REAM & CLEAN BRIDGE AT 1478M. WASH TO BOTTOM
11:00	13:15	2.25	13.25	Condition mud & circulate	CIRCULATE HOLE CLEAN
13:15	15:45	2.50	15.75	Trips	TRIPS, WIPER # 2 TO 1025M, FC @ 1508,1444,1030,1508M
15:45	16:30	0.75	16.50	Condition mud & circulate	CIRCULATE HOLE CLEAN
16:30	16:45	0.25	16.75	Rig Service	RIG SERVICE, FUNCTIONED PIPE RAMS C/O 5 SECONDS
16:45	18:00	1.25	18.00	Trips	TRIPS, POOH TO LOG, FC @ 1508,1444M
18:00	18:15	0.25	18.25	Safety meeting	CREW CHANGE MEETING
18:15	20:00	1.75	20.00	Trips	TRIPS, FC @ 734,206M, OUT OF HOLE.



Daily Drilling

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Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 3/1/2010

Report #: 11.0

Depth Progress: 28.00

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Daily Cost: 33,302

Cum Cost to Date: 605,048

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date	DFS: 8.48 days	
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
20:00	20:30	0.50	20.50	Trips	TRIPS TO LOG, HOLEFILL=8.38M/3, CALC=6.15M/3, STRAP=1520.10M, TALLY=1520.0M.
20:30	20:45	0.25	20.75	Rig Service	RIG SERVICE FUNCTION BLINDRAMS 4 SECS CLOSED
20:45	21:00	0.25	21.00	Safety meeting	SAFETY MEETING WEATHERFORD WIRELINE LOGGING
21:00	00:00	3.00	24.00	Wireline logs	WIRELINE LOGS #1 STI/MDA/NEUTRON/SPED/GAMMA, TAG BOTTOM @ 1511.0M @ 22:50 HRS.

MUD CHECKS

Low Gravity Solids (%) 5.6	MBT (kg/m³) 40	Oil Water Ratio	Chlorides (mg/L) 1,500	Calcium (mg/L) 120	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³) 1178.0	Sand (%)	Solids (%) 5.6	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)		Daily Mud Cost 1,891	Mud Cum To Date 37,662	
Depth (mKB) 1,520.15	Density (kg/m³) 1090.0	Funnel Viscosity (s/L) 77	pH 11.0	PV Override (cp) 28.0	YP Override (Pa) 21.500	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
KELZAN XCD POLYMER	522.35	2.0
CAUSTIC SODA	11.36	2.0
ULTRA PAC R	203.10	4.0
CAUSTIC SODA	11.36	1.0

MUD PUMPS

Pump Number	Rod Diameter (mm)	Pump Rating (kW)
1		
Pressure (kPa) 3,069	Slow Speed Check? Yes	Strokes (spm) 69
Pressure (kPa) 1,300	Slow Speed Check? Yes	Strokes (spm) 69
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
2		
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0

BIT SUMMARY

Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001141	IADC Codes M-2-2-2
Nozzles (mm) 8.7/8.7/8.7/8.7/...	Depth In (mKB) 391.15	Depth Out (mKB) 1,520.15	Depth Drilled (m) 1,129.00	Drilling Time (hrs) 72.00	BHA ROP (m/hr) 15.7	IADC Bit Dull 0-1-CT-N-X-0-WT-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			68	1,292.36	1,489.83
Drill pipe - Singles			1	9.50	197.47
HWDP		133.0	6	55.77	187.97
X/O		152.0	1	0.30	132.20
DC (6.25 IN)		158.0	8	72.16	131.90
JARS-HYD/MECH		166.0	1	5.20	59.74
SHORT DRILL COLLAR		166.0	1	4.61	54.54
DC (6.25 IN)		158.0	5	46.24	49.93
TELEDRIFT		154.0	1	2.47	3.69
BIT SUB		161.0	1	0.91	1.22



Daily Drilling

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Report For: 3/1/2010

Report #: 11.0

Depth Progress: 28.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 33,302

Cum Cost to Date: 605,048

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 8.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

DRILLING SUMMARY

Depth Start (mKB) 1,492.15	Depth End (mKB) 1,520.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 7,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 80	Motor RPM (rpm)	Bit RPM (rpm) 80	Slack-Off Hook Load (daN)	Drilling Time (hrs) 2.25		

SAFETY CHECKS

Date	Type	Description
3/1/2010	Safety Meeting	WIRELINE LOGS

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
3/1/2010	1,517.15	0.50	0.00	1,517.07	15.42	0.00	15.42	0.00

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Wabamun Grp	583.00	582.98
Fort Simpson	757.00	757.00



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/28/2010

Report #: 10.0

Depth Progress: 323.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 50,395

Cum Cost to Date: 571,746

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 7.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

Daily Operations			
Depth Start (mKB) 1,169.2	Depth End (mKB) 1,492.2	Target Formation Sulphur Point	Target Depth (mKB) 1,510.00

Weather Overcast	Temperature (°C) -4	Lease Condition Frozen / Ice
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Operation at 6am

Trip out at 1290m on wiper trip prior to logging

Operations Summary

Drill from 1167m - 1492m.

Operations Next Report Period

Drill to TD at 1520m. Wiper trip. Trip out to log. Run logging program.

Remarks

Took delivery of 123 joints of 139.7mm casing and casing accessories. Weatherford loggers ordered for 12:00hr tomorrow.

Avg Connection Gas (Units) 160	Avg Background Gas (Units) 65	Avg Trip Gas (Units)	Max H2S (Units)
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DAILY CONTACTS

Title Drilling Supt	Job Contact DICK HEENAN	Phone Mobile 403-818-4408
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-382-8968
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 405-451-7082

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:45	0.75	0.75	Drill	DRILL 1169M - 1178M
00:45	01:00	0.25	1.00	Rig Service	RIG SERVICE FUNCTION ANNULAR 7 SECS CLOSED
01:00	04:30	3.50	4.50	Drill	DRILL 1178M - 1235M
04:30	04:45	0.25	4.75	Deviation survey	DEVIATION SURVEY 1232M @ 0.50 DEG.
04:45	05:45	1.00	5.75	Drill	DRILL 1235M - 1254M
05:45	06:00	0.25	6.00	Safety meeting	HELDSAFETY/CROSSOVER MEETING WITH BOTH CREWS
06:00	08:00	2.00	8.00	Drill	DRILL 1254M -1292M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE, FUNCTIONED PIPE RAMS C/O5 SECONDS
08:15	08:30	0.25	8.50	Safety meeting	SAFETY MEETING: H2S ALARM DRILL, WELL SECURED, APPROPRIATE RESPONSE BY ALL PERSONNEL
08:30	10:45	2.25	10.75	Drill	DRILL 200mm HOLE FROM 1292 TO 1330M
10:45	11:00	0.25	11.00	Deviation survey	DEVIATION SURVEY @ 1327M DEV. 1 DEG.
11:00	16:15	5.25	16.25	Drill	DRILL 200mm HOLE FROM 1330 TO 1416M
16:15	16:30	0.25	16.50	Rig Service	RIG SERVICE, FUNCTIONED ANNULAR PREVENTER C/O 8 SECONDS
16:30	17:45	1.25	17.75	Drill	DRILL 200mm HOLE FROM 1416 TO 1435M
17:45	18:00	0.25	18.00	Safety meeting	HELD SAFETY/CROSSOVER MEETING BETWEEN BOTH CREWS
18:00	18:15	0.25	18.25	Deviation survey	DEVIATION SURVEY @ 1432M DEV. 0.50 DEG.
18:15	20:00	1.75	20.00	Drill	DRILL 200mm HOLE FROM 1435 TO 1454M
20:00	00:00	4.00	24.00	Drill	DRILL 1454M - 1492M

MUD CHECKS

Low Gravity Solids (%) 5.6	MBT (kg/m³) 40	Oil Water Ratio	Chlorides (mg/L) 1,500	Calcium (mg/L) 120	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³) 1178.0	Sand (%)	Solids (%) 5.6	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 10,292	Mud Cum To Date 35,770		
Depth (mKB) 1,491.15	Density (kg/m³) 1090.0	Funnel Viscosity (s/L) 75	pH 10.5	PV Override (cp) 28.0	YP Override (Pa) 21.500	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
SHURE SHALE	354.74	1.0



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/28/2010

Report #: 10.0

Depth Progress: 323.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 50,395

Cum Cost to Date: 571,746

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 7.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
XL DEFOAMER	169.17	2.0
CAUSTIC SODA	11.36	2.0
KELZAN XCD POLYMER	522.35	3.0
STARDRIL	146.16	4.0
HUMALITE		6.0
ULTRA PAC R	203.10	6.0
SAWDUST	6.53	12.0
HYPERDRILL AF 247RD	221.55	1.0
KELZAN XCD POLYMER	522.35	3.0
CAUSTIC SODA	11.36	5.0
ULTRA PAC R	203.10	6.0
HYPERDRILL AF 247RD	221.55	1.0
KELZAN XCD POLYMER	522.35	3.0
CAUSTIC SODA	11.36	5.0
ULTRA PAC R	203.10	6.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa) 2,500	Slow Speed Check? Yes	Strokes (spm) 69
Pressure (kPa) 3,050	Slow Speed Check? Yes	Strokes (spm) 69
Pressure (kPa) 2,600	Slow Speed Check? Yes	Strokes (spm) 69
Pump Number 2	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0

BIT SUMMARY

Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001141	IADC Codes M-2-2-2
Nozzles (mm) 8.7/8.7/8.7/8.7/...	Depth In (mKB) 391.15	Depth Out (mKB) 1,492.15	Depth Drilled (m) 1,101.00	Drilling Time (hrs) 69.75	BHA ROP (m/hr) 15.8	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands		101.6	51	969.50	2,637.49
Drill pipe - Stands			68	1,292.36	1,612.22
HWDP		101.6	6	55.77	1,667.99
HWDP		133.0	6	55.77	319.56
X/O		152.0	1	0.30	319.86
DC (6.25 IN)		158.0	8	72.16	263.49
X/O		152.0	1	0.30	263.79
DC (6.25 IN)		158.0	8	72.16	186.13
JARS-HYD/MECH		166.0	1	5.20	191.33
SHORT DRILL COLLAR		166.0	1	4.61	108.77
JARS-HYD/MECH		166.0	1	5.20	113.97
DC (6.25 IN)		158.0	5	46.24	99.55
SHORT DRILL COLLAR		166.0	1	4.61	104.16
DC (6.25 IN)		158.0	5	46.24	50.84
TELEDRIFT		154.0	1	2.47	53.31
TELEDRIFT		154.0	1	2.47	3.69
BIT SUB		161.0	1	0.91	4.60



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/28/2010

Report #: 10.0

Depth Progress: 323.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 50,395

Cum Cost to Date: 571,746

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 7.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
BIT SUB		161.0	1	0.91	1.22

DRILLING SUMMARY

Depth Start (mKB) 1,169.15	Depth End (mKB) 1,292.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 5,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm) 100	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.25		
Depth Start (mKB) 1,292.15	Depth End (mKB) 1,454.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm) 100	Slack-Off Hook Load (daN)	Drilling Time (hrs) 10.50		
Depth Start (mKB) 1,454.15	Depth End (mKB) 1,476.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 5,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 80	Motor RPM (rpm)	Bit RPM (rpm) 80	Slack-Off Hook Load (daN)	Drilling Time (hrs) 2.32		
Depth Start (mKB) 1,476.15	Depth End (mKB) 1,492.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 7,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 80	Motor RPM (rpm)	Bit RPM (rpm) 80	Slack-Off Hook Load (daN)	Drilling Time (hrs) 1.68		

SAFETY CHECKS

Date	Type	Description
2/28/2010	Safety Meeting	H2S AWARENESS

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
2/28/2010	1,232.15	0.50	0.00	1,232.09	12.06	0.00	12.06	0.00
2/28/2010	1,327.15	1.00	0.00	1,327.08	13.30	0.00	13.30	0.16
2/28/2010	1,432.15	0.50	0.00	1,432.07	14.68	0.00	14.68	0.14

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Wabamun Grp	583.00	582.98
Fort Simpson	757.00	757.00



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/27/2010

Report #: 9.0

Depth Progress: 257.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 67,008

Cum Cost to Date: 521,351

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30		Rig Release Date	DFS: 6.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

Daily Operations

Depth Start (mKB)	912.2	Depth End (mKB)	1,169.2	Target Formation	Sulphur Point	Target Depth (mKB)	1,510.00
Weather	Overcast		Temperature (°C)	-11		Lease Condition	Frozen / Ice
Operation at 6am							
Drilling ahead to 1255m at 20 m/hr							
Operations Summary							
Drill from 912m - 965m. Shut in mud tanks and build mud system. Work pipe and circulate hole clean at 965m. Drill from 965m - 1046m. Wiper trip to casing shoe at 391m. Hole good on wiper trip. Wash 6m loose fill to bottom. Drill from 1046m - 1167m.							
Operations Next Report Period							
Drill ahead							
Remarks							
Ordered 1520m of 139.7mm J-55 casing and accessories for delivery tomorrow. Provided 72hr notice to Weatherford loggers.							
Avg Connection Gas (Units)	100	Avg Background Gas (Units)	55	Avg Trip Gas (Units)		Max H2S (Units)	

DAILY CONTACTS

Title Drilling Supt	Job Contact DICK HEENAN	Phone Mobile 403-818-4408
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-382-8968
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 405-451-7082

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:30	0.50	0.50	Drill	DRILL 912M - 922M
00:30	00:45	0.25	0.75	Deviation survey	DEVIATION SURVEY 919M @ 1.0 DEG
00:45	01:00	0.25	1.00	Rig Service	RIG SERVICE FUNCTION PIPERAMS 3 SECS CLOSED
01:00	04:30	3.50	4.50	Drill	DRILL 922M - 966M
04:30	05:15	0.75	5.25	Condition mud & circulate	CONDITION MUD & CIRCULATE - WORK PIPE & CLEAN HOLE
05:15	08:00	2.75	8.00	Drill	DRILL 966M - 998M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE, FUNCTIONED ANNULAR PREVENTER C/O 8 SECONDS
08:15	10:45	2.50	10.75	Drill	DRILL 200mm HOLE FROM 998 TO 1027M
10:45	11:00	0.25	11.00	Deviation survey	DEVIATION SURVEY @ 1024M DEV .5 DEG
11:00	12:45	1.75	12.75	Drill	DRILL 200mm HOLE FROM 1027 TO 1046M
12:45	13:15	0.50	13.25	Condition mud & circulate	CONDITION MUD & CIRCULATE
13:15	14:45	1.50	14.75	Trips	TRIPS, WIPER TO SHOE, FC @ 1034,994,523,380M
14:45	16:00	1.25	16.00	Trips	TRIPS, RIH, FC @ 380,1034
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE, FUNCTIONED PIPE RAMS C/O 5 SECONDS
16:15	20:00	3.75	20.00	Drill	DRILL 200mm HOLE FROM 1046 TO 1100M
20:00	21:45	1.75	21.75	Drill	DRILL 1100M - 1131M
21:45	22:00	0.25	22.00	Deviation survey	DEVIATION SURVEY 1128M @ 0.50 DEG.
22:00	00:00	2.00	24.00	Drill	DRILL 1131M - 1169M

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L) 1,000	Calcium (mg/L) 600	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³) 1046.0	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 12,871		Mud Cum To Date 25,478	
Depth (mKB) 1,160.15	Density (kg/m³) 1020.0	Funnel Viscosity (s/L) 40	pH 8.0	PV Override (cp) 9.0	YP Override (Pa) 5.700	



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/27/2010

Report #: 9.0

Depth Progress: 257.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 67,008

Cum Cost to Date: 521,351

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 6.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
XL DEFOAMER	169.17	2.0
ULTRASEAL XP	77.73	2.0
ULTRA PAC R	203.10	2.0
ENVIROFLOC	43.63	3.0
SHURE SHALE	354.74	4.0
STARDRIL	146.16	4.0
KELZAN XCD POLYMER	522.35	6.0
HUMALITE		6.0
CAL CARB O		6.0
SAWDUST	6.53	12.0
HYPERDRILL AF 247RD	221.55	1.0
XL DEFOAMER	169.17	2.0
KELZAN XCD POLYMER	522.35	2.0
CAUSTIC SODA	11.36	2.0
ULTRA PAC R	203.10	4.0
SHURE SHALE		4.0
STARDRIL	146.16	7.0
LIGNITE	16.58	8.0
SAWDUST	6.53	10.0
SHURE SHALE	354.74	1.0
KELZAN XCD POLYMER	522.35	2.0
CAUSTIC SODA	11.36	2.0
XL DEFOAMER	169.17	4.0
ULTRA PAC R	203.10	4.0
SAWDUST	6.53	8.0

MUD PUMPS			
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
1			
Pressure (kPa)	Slow Speed Check?	Strokes (spm)	Volumetric Efficiency (%)
1,790	Yes	69	
Pressure (kPa)	Slow Speed Check?	Strokes (spm)	Volumetric Efficiency (%)
2,200	Yes	69	
Pressure (kPa)	Slow Speed Check?	Strokes (spm)	Volumetric Efficiency (%)
2,500	Yes	69	
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
2			
Pressure (kPa)	Slow Speed Check?	Strokes (spm)	Volumetric Efficiency (%)
	No	0	
Pressure (kPa)	Slow Speed Check?	Strokes (spm)	Volumetric Efficiency (%)
	No	0	
Pressure (kPa)	Slow Speed Check?	Strokes (spm)	Volumetric Efficiency (%)
	No	0	

BIT SUMMARY						
Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
3	Bit	200.0	VAREL	VTD513HX	4001141	M-2-2-2
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull
8.7/8.7/8.7/8.7/...	391.15	1,492.15	1,101.00	69.75	15.8	-----

DRILL STRING COMPONENTS					
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands		101.6	51	969.50	2,637.49
Drill pipe - Stands			68	1,292.36	1,612.22
HWDP		101.6	6	55.77	1,667.99
HWDP		133.0	6	55.77	319.56
X/O		152.0	1	0.30	319.86
DC (6.25 IN)		158.0	8	72.16	263.49
X/O		152.0	1	0.30	263.79



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/27/2010

Report #: 9.0

Depth Progress: 257.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 67,008

Cum Cost to Date: 521,351

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30		Rig Release Date	DFS: 6.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
DC (6.25 IN)		158.0	8	72.16	186.13
JARS-HYD/MECH		166.0	1	5.20	191.33
SHORT DRILL COLLAR		166.0	1	4.61	108.77
JARS-HYD/MECH		166.0	1	5.20	113.97
DC (6.25 IN)		158.0	5	46.24	99.55
SHORT DRILL COLLAR		166.0	1	4.61	104.16
DC (6.25 IN)		158.0	5	46.24	50.84
TELEDRIFT		154.0	1	2.47	53.31
TELEDRIFT		154.0	1	2.47	3.69
BIT SUB		161.0	1	0.91	4.60
BIT SUB		161.0	1	0.91	1.22

DRILLING SUMMARY

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
912.15	998.15		2,000			
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		
100		100		6.75		
Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
998.15	1,100.15		2,000			
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		
100		100		8.00		
Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
1,100.15	1,169.15		2,000			
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		
100		100		3.75		

SAFETY CHECKS

Date	Type	Description
2/27/2010	Safety Meeting	WELL CONTROL
2/28/2010	Safety Meeting	EQUIPMENT MAINTANANCE

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
2/27/2010	919.15	1.00	0.00	919.10	8.87	0.00	8.87	0.08
2/27/2010	1,024.15	0.50	0.00	1,024.09	10.25	0.00	10.25	0.14
2/27/2010	1,128.15	0.50	0.00	1,128.09	11.15	0.00	11.15	0.00

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Wabamun Grp	583.00	582.98
Fort Simpson	757.00	757.00



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/26/2010

Report #: 8.0

Depth Progress: 377.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 42,906

Cum Cost to Date: 454,342

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 5.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

Daily Operations

Depth Start (mKB)	535.2	Depth End (mKB)	912.2	Target Formation	Sulphur Point	Target Depth (mKB)	1,510.00
Weather		Temperature (°C)		Lease Condition			
Clear		-10		Frozen / Ice			
Operation at 6am							
Drilling ahead to 974m while building mud system							
Operations Summary							
Drill from 535m - 912m. Minor losses from 750m - 780m							
Operations Next Report Period							
Drill ahead. Mud up. Wiper trip							
Remarks							
Tight shales from 770m - 810m.							
Avg Connection Gas (Units)		Avg Background Gas (Units)		Avg Trip Gas (Units)		Max H2S (Units)	

DAILY CONTACTS

Title Drilling Supt	Job Contact DICK HEENAN	Phone Mobile 403-818-4408
Title Drilling Foreman	Job Contact HALE YARDLEY	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-382-8968
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 405-451-7082

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	01:00	1.00	1.00	Drill	DRILL 535M - 560M
01:00	01:15	0.25	1.25	Deviation survey	DEVIATION SURVEY 557M @ 0.50 DEG
01:15	01:30	0.25	1.50	Rig Service	RIG SERVICE FUNCTION ANNULAR 71 SECS CLOSED
01:30	05:15	3.75	5.25	Drill	DRILL 560M - 636M
05:15	05:30	0.25	5.50	Deviation survey	DEVIATION SURVEY 633M @ 0.50 DEG
05:30	08:00	2.50	8.00	Drill	DRILL 636M - 674M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE, FUNCTIONED PIPE RAMS C/O 5 SECONDS
08:15	11:15	3.00	11.25	Drill	DRILL 200mm HOLE FROM 674 TO 732M
11:15	11:30	0.25	11.50	Deviation survey	DEVIATION SURVEY @ 729M DEV. .5 DEG
11:30	14:00	2.50	14.00	Drill	DRILL 200mm HOLE FROM 732 TO 779M
14:00	14:45	0.75	14.75	Condition mud & circulate	CIRCULATE LCM SWEEP
14:45	17:00	2.25	17.00	Drill	DRILL 200mm HOLE FROM 779 TO 808M
17:00	17:15	0.25	17.25	Rig Service	RIG SERVICE, FUNCTIONED ANNULAR PREVENTER C/O 8 SECONDS
17:15	18:15	1.00	18.25	Drill	DRILL 200mm HOLE FROM 808 TO 827M
18:15	18:30	0.25	18.50	Deviation survey	DEVIATION SURVEY @ 824M DEV. 1.0 DEG.
18:30	20:00	1.50	20.00	Drill	DRILL 200mm HOLE FROM 827 TO 850M
20:00	00:00	4.00	24.00	Drill	DRILL 850M - 912M

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Slab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)		Daily Mud Cost 3,043	Mud Cum To Date 12,607	
Depth (mKB) 889.15	Density (kg/m³) 1040.0	Funnel Viscosity (s/L) 30	pH 8.0	PV Override (cp)	YP Override (Pa)	



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/26/2010

Report #: 8.0

Depth Progress: 377.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 42,906

Cum Cost to Date: 454,342

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 5.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
HYPERDRILL AF 247RD	221.55	1.0
SAWDUST	6.53	10.0
ENVIROFLOC	43.63	10.0
MF-VIS	500.33	2.0
ULTRASEAL XP	77.73	3.0
GEL	14.69	3.0
SAWDUST	6.53	35.0
MF-VIS	500.33	1.0
HYPERDRILL AF 247RD	221.55	1.0
SAWDUST	6.53	14.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa) 1,700	Slow Speed Check? Yes	Strokes (spm) 69
Pressure (kPa) 2,200	Slow Speed Check? Yes	Strokes (spm) 69
Pressure (kPa) 1,790	Slow Speed Check? Yes	Strokes (spm) 69
Pump Number 2	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0

BIT SUMMARY

Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001141	IADC Codes M-2-2-2
Nozzles (mm) 8.7/8.7/8.7/8.7/...	Depth In (mKB) 391.15	Depth Out (mKB) 1,492.15	Depth Drilled (m) 1,101.00	Drilling Time (hrs) 69.75	BHA ROP (m/hr) 15.8	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands		101.6	51	969.50	2,637.49
Drill pipe - Stands			68	1,292.36	1,612.22
HWDP		101.6	6	55.77	1,667.99
HWDP		133.0	6	55.77	319.56
X/O		152.0	1	0.30	319.86
DC (6.25 IN)		158.0	8	72.16	263.49
X/O		152.0	1	0.30	263.79
DC (6.25 IN)		158.0	8	72.16	186.13
JARS-HYD/MECH		166.0	1	5.20	191.33
SHORT DRILL COLLAR		166.0	1	4.61	108.77
JARS-HYD/MECH		166.0	1	5.20	113.97
DC (6.25 IN)		158.0	5	46.24	99.55
SHORT DRILL COLLAR		166.0	1	4.61	104.16
DC (6.25 IN)		158.0	5	46.24	50.84
TELEDRIFT		154.0	1	2.47	53.31
TELEDRIFT		154.0	1	2.47	3.69
BIT SUB		161.0	1	0.91	4.60
BIT SUB		161.0	1	0.91	1.22



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/26/2010

Report #: 8.0

Depth Progress: 377.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 42,906

Cum Cost to Date: 454,342

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 5.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

DRILLING SUMMARY

Depth Start (mKB) 535.15	Depth End (mKB) 674.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 5,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 95	Motor RPM (rpm)	Bit RPM (rpm) 95	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.25		
Depth Start (mKB) 674.15	Depth End (mKB) 850.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 5,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm) 100	Slack-Off Hook Load (daN)	Drilling Time (hrs) 10.25		
Depth Start (mKB) 850.15	Depth End (mKB) 912.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 5,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm) 100	Slack-Off Hook Load (daN)	Drilling Time (hrs) 4.00		

SAFETY CHECKS

Date	Type	Description
2/27/2010	Safety Meeting	WORKING TIGHT CONNECTIONS

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
2/26/2010	557.15	0.50	0.00	557.13	4.88	0.00	4.88	0.00
2/26/2010	633.15	0.50	0.00	633.12	5.55	0.00	5.55	0.00
2/26/2010	729.15	0.50	0.00	729.12	6.38	0.00	6.38	0.00

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
Wabamun Grp	583.00	582.98
Fort Simpson	757.00	757.00



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/25/2010

Report #: 7.0

Depth Progress: 144.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 61,329

Cum Cost to Date: 407,981

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30		Rig Release Date	DFS: 4.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

Daily Operations			
Depth Start (mKB) 391.2	Depth End (mKB) 535.2	Target Formation Sulphur Point	Target Depth (mKB) 1,510.00
Weather Mostly Clear	Temperature (°C) -20	Lease Condition Frozen / Ice	
Operation at 6am Control Drilling ahead to 645 m			
Operations Summary Installed BOPs, changed ram blocks blinds on bottom, pipe above spool. Brought over 20 m3 of stripped mud, filled 1 compartment with water for drill out, prepared for flocc water drilling of main hole. Pressure tested BOPs and manifold from 10:00 and made-up 200 mm PDC and tripped in hole. Tagged cement @ 376 m. Held BOP drill, Drilled out from 391 m @ 16:30 hrs with flocc water system			
Operations Next Report Period Continue to control drill ahead with flocc water			
Remarks No accidents or incidents. Accumulator Function Test. Pressure Before: 17 mPa, pressure remaining after 3 functions 12.5 mPa. Recharge time 60 seconds. Pressure tested Pipe, Blind Rams IKLV, OKLV, HCR, OCLV, inside BOP, upper kelly cock, IBOP to 1.4 & 14 mPa (annular 1.4 & 10.5 mPa) for 10 minutes each - all held ok. Pressure tested manifold valves to 1.4 & 14 mPa for 10 minutes each, charged manifold with antifreeze.			
Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)

DAILY CONTACTS			
Title Drilling Supt	Job Contact DICK HEENAN	Phone Mobile 403-818-4408	
Title Drilling Foreman	Job Contact HALE YARDLEY	Phone Mobile 403-451-7082	
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-382-8968	
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 405-451-7082	

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	05:00	5.00	5.00	Nipple up BOP	NIPPLE UP BOP - CUT & WELD FLARELINES TO FIT FLARE TANK
05:00	05:15	0.25	5.25	Safety meeting	SAFETY MEETING #874154 CHANGING RAMS IN B.O.P.
05:15	06:30	1.25	6.50	Change rams	CHANGE RAM CONFIGURATION, REMOVE HCR VALVE TO GET RAM DOORS OPEN.
06:30	07:45	1.25	7.75	Change rams	CHANGE RAMS, REINSTALL HCR VALVING
07:45	08:00	0.25	8.00	Rig Service	RIG SERVICE
08:00	10:00	2.00	10.00	Waiting on	WAITING ON PRESSURE TESTER
10:00	10:15	0.25	10.25	Safety meeting	SAFETY MEETING WITH RAINBOW PRESSURE TESTING
10:15	13:45	3.50	13.75	Test BOP	TEST BOP, TEST ANNULAR PREVENTER, PIPE RAMS, BLIND RAMS, HCR, CHOKE LINE AND VALVE, INSIDE, OUTSIDE KILL AND CHECK VALVE, MANIFOLD, UPPER AND LOWER KELLY COCK, STABBING VALVE, INSIDE B.O.P. ALL TESTS HELD TEN MINUTES, 1400KPA LOW, 14000KPA HIGH, (ANNULAR 10500KPA)
13:45	14:45	1.00	14.75	Trips	TRIPS, RIH
14:45	15:00	0.25	15.00	Drills/BOP, etc.	DRILLS/BOP, WELL SECURE IN 70 SECONDS
15:00	16:30	1.50	16.50	Drill cement/drill float&shoe	DRILL OUT CEMENT/DRILL FLOAT&SHOE, TAGGED CEMENT @ 375M
16:30	18:00	1.50	18.00	Drill	DRILL 200MM HOLE FROM 391 TO 408M
18:00	18:15	0.25	18.25	Deviation survey	DEVIATION SURVEY 405M @ 0.50 DEG.
18:15	19:00	0.75	19.00	Drill	DRILL 408M - 427M
19:00	19:15	0.25	19.25	Drills/BOP, etc.	DRILLS/BOP, WELL SECURED 90 SECS, FUNCTION MOTOR KILLS
19:15	19:30	0.25	19.50	Rig Service	RIG SERVICE FUNCTION HCR 3 SECS OPEN
19:30	20:00	0.50	20.00	Drill	DRILL 427M - 446M
20:00	21:30	1.50	21.50	Drill	DRILL 446M - 484M



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/25/2010

Report #: 7.0

Depth Progress: 144.00

Total AFE Amount: 1,528,280.00

AFE Number: 09N010007

Daily Cost: 61,329

Cum Cost to Date: 407,981

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 4.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
21:30	21:45	0.25	21.75	Deviation survey	DEVIATION SURVEY 481M @ 0.50 DEG
21:45	00:00	2.25	24.00	Drill	DRILL 484M - 535M

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 1,761	Mud Cum To Date 9,564		
Depth (mKB) 495.15	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 30	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
SULPHAMIC ACID	65.57	2.0
CITRIC ACID	105.00	5.0
SULPHAMIC ACID	65.57	8.0
DETERGENT	107.18	1.0
ALKAPAM A1103D	211.93	1.0
HYPERDRILL AF 247RD	221.55	1.0
SAWDUST	6.53	6.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa) 1,800	Slow Speed Check? Yes	Strokes (spm) 69
Pressure (kPa) 1,500	Slow Speed Check? Yes	Strokes (spm) 69
Pump Number 2	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0

BIT SUMMARY

Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001141	IADC Codes M-2-2-2
Nozzles (mm) 8.7/8.7/8.7/8.7/...	Depth In (mKB) 391.15	Depth Out (mKB) 535.15	Depth Drilled (m) 144.00	Drilling Time (hrs) 8.00	BHA ROP (m/hr) 18.0	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			18	341.96	529.93
HWDP		133.0	6	55.77	187.97
X/O		152.0	1	0.30	132.20
DC (6.25 IN)		158.0	8	72.16	131.90
JARS-HYD/MECH		166.0	1	5.20	59.74
SHORT DRILL COLLAR		166.0	1	4.61	54.54
DC (6.25 IN)		158.0	5	46.24	49.93
TELEDRIFT		154.0	1	2.47	3.69
BIT SUB		161.0	1	0.91	1.22



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/25/2010

Report #: 7.0

Depth Progress: 144.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 61,329

Cum Cost to Date: 407,981

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 4.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m) 3.90	

DRILLING SUMMARY

Depth Start (mKB) 391.15	Depth End (mKB) 446.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 75	Motor RPM (rpm)	Bit RPM (rpm) 75	Slack-Off Hook Load (daN)	Drilling Time (hrs) 4.25		
Depth Start (mKB) 446.15	Depth End (mKB) 535.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 95	Motor RPM (rpm)	Bit RPM (rpm) 95	Slack-Off Hook Load (daN)	Drilling Time (hrs) 3.75		

SAFETY CHECKS

Date	Type	Description
2/25/2010	Safety Meeting	DANGER ZONE

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
2/25/2010	405.15	0.50	0.00	405.13	3.56	0.00	3.56	0.00
2/25/2010	481.15	0.50	0.00	481.13	4.22	0.00	4.22	0.00

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/24/2010

Report #: 6.0

Depth Progress: 0.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 94,729

Cum Cost to Date: 346,053

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30		Rig Release Date	DFS: 3.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

Daily Operations			
Depth Start (mKB) 391.2	Depth End (mKB) 391.2	Target Formation Sulphur Point	Target Depth (mKB) 1,510.00

Weather Overcast	Temperature (°C) -17	Lease Condition Frozen / Ice
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Operation at 6am

Completing BOP ram block switch

Operations Summary

Completed trip out and laying down 2-203 mm collars. Jacked rig. Ran 29 joints of 219.1 mm, 35.7 kg/m, J-55 length 392.37 m, landed @ 391 mKB. Circulated and waited on cementers. Cemented with 39 t (97% XS) of "G" + 1.5% CaCl - 29.56 m3. CIP @ 10:45 with 7 m3 contaminated mud and 7 m3 of good cement. Pressure tested casing to 16 mPa for 10 minutes. Floats, annulus and casing held ok. WOC. removed diverter, cut casing, installed 229 x 228 mm, 21 mPa casing bowl SN 63962-11. Cleaned mud tanks, modified flare and gut lines to accomodate shorter flare tank spacing.

Operations Next Report Period

Continue to head-up, make-up main hole BHA, drill out & ahead

Remarks

No accidents or incidents. Recovered a lot of cement contaminated mud on cement job. Also discarded about 5 m3 of high solids, polymer glob in bottom of tank #3 that could not be broken down and stripped. We suspect high pH contamination from traces of cement into mud tanks. Minor time loss in sharing services with surface cementing operation on N-06. Weekly INAC inspection - no issues, operation proceeding favourably.

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
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DAILY CONTACTS

Title Drilling Supt	Job Contact DICK HEENAN	Phone Mobile 403-818-4408
Title Drilling Foreman	Job Contact HALE YARDLEY	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-382-8968

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:30	0.50	0.50	Trip out of hole	FINISH COMING OUT OF HOLE TO RUN CASING. LAY OUT 8 INCH COLLARES
00:30	00:45	0.25	0.75	Safety meeting	SAFETY MEETING WITH ARDY RIG JACKING
00:45	01:15	0.50	1.25	Level rig	LEVEL RIG WITH ARDY RIG JACKERS
01:15	01:30	0.25	1.50	Safety meeting	SAFETY MEETING WITH TOTAL DEPTH POWER TONGS
01:30	01:45	0.25	1.75	Rig up/down to run casing	RIG UP TO RUN 219.1MM CASING
01:45	02:00	0.25	2.00	Rig Service	RIG SERVICE
02:00	04:30	2.50	4.50	Run casing	RUN 219.1MM CASING
04:30	08:00	3.50	8.00	Circulate And Condition	CIRCULATE CASING PRIOR TO CEMENT JOB
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE
08:15	09:00	0.75	9.00	Condition mud & circulate	CONDITION MUD & CIRCULATE CASING
09:00	09:15	0.25	9.25	Safety meeting	SAFETY MEETING CEMENT CASING w/SANJEL
09:15	11:00	1.75	11.00	Cementing	CEMENTING 219.1MM CASING
11:00	15:00	4.00	15.00	Wait on cement	WAIT ON CEMENT
15:00	20:00	5.00	20.00	W/O Welder	WAIT ON WELDER
20:00	20:45	0.75	20.75	W/O Welder	WAIT ON WELDER
20:45	23:15	2.50	23.25	Other	CUT CASING, LAY DOWN DIVERTER, WELD ON CASING BOWL, TEST CASING BOWL @ 8400 KPA - 10 MINS.
23:15	23:30	0.25	23.50	Safety meeting	SAFETY MEETING JSA#15
23:30	00:00	0.50	24.00	Nipple up BOP	NIPPLE UP BOP



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/24/2010

Report #: 6.0

Depth Progress: 0.00

Total AFE Amount: 1,523,28.00

AFE Number: 09N010007

Daily Cost: 94,729

Cum Cost to Date: 346,053

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 3.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

MUD CHECKS						
Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost		Mud Cum To Date 7,803	
Depth (mKB) 391.15	Density (kg/m³) 1060.0	Funnel Viscosity (s/L) 45	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
DESCO CF		1.0

MUD PUMPS			
Pump Number 1	Rod Diameter (mm)	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 85	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 85	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm)	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)

BIT SUMMARY						
Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS						
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)	

DRILLING SUMMARY						
Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)		Drilling Time (hrs)	

SAFETY CHECKS		
Date	Type	Description
2/24/2010	Safety Meeting	CEMENTING CASING
2/24/2010	Safety Meeting	NIPPLE UP BOP

SAFETY INCIDENTS		
Date	Comment	Type

WELL CONTROL SUMMARY					
Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA								
Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)

FORMATIONS		
Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/23/2010

Report #: 5.0

Depth Progress: 80.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 35,037

Cum Cost to Date: 250,084

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 2.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

Daily Operations

Depth Start (mKB) 311.2	Depth End (mKB) 391.2	Target Formation Sulphur Point	Target Depth (mKB) 1,510.00
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Weather Overcast, It snow	Temperature (°C) -18	Lease Condition Frozen / Ice
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Operation at 6am

Circulating 219 mm surface casing on bottom

Operations Summary

Drilled ahead, changed wash pipe (twice O ring failed), drilled to surface TD of 391 m @ 08:15. Circulated hole clean and wiper tripped to conductor. Bridged-off running back @ 105 m, washed several sections to 123 m and tripped to bottom with 6 m fill. Circulated hole clean and tripped out for casing. Worked bit several times from 95 - 130 m. Did not tag anything. Waited for 45 minutes to determine if N-06 would run their casing. They were set to go, ran back in hole and circulate until tong truck available. 4 m fill on bottom. At 22:00 tripped out of hole for surface casing

Operations Next Report Period

Run circ and WO cementers and cement surface casing, head-up BOPs

Remarks

No accidents or incidents. Necessary to trip back to bottom as casing truck tied-up @ N-06. Ordered out rig jackers to level rig prior to running surface casing

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
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DAILY CONTACTS

Title Drilling Supt	Job Contact DICK HEENAN	Phone Mobile 403-818-4408
Title Drilling Foreman	Job Contact HALE YARDLEY	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-382-8968

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Rig Service	RIG SERVICE FUNCTIONED ANNULAR ON DIVERTER C/O 12 SECS
00:15	03:45	3.50	3.75	Drill	DRILL 311MM HOLE FROM 311 METERS TO 358 METERS
03:45	05:00	1.25	5.00	Rig Repair	RIG REPAIR, CHANGE WASH PIPE PACKING
05:00	05:15	0.25	5.25	Deviation survey	DEVIATION SURVEY AT 340M DEV. 5 DEG
05:15	05:30	0.25	5.50	Drill	DRILL 311MM HOLE FROM 358 METERS TO 361M
05:30	06:15	0.75	6.25	Rig Service	RIG SERVICE - CHANGE WASH PIPE O-RINGS
06:15	08:00	1.75	8.00	Drill	DRILL 361M - 387M
08:00	08:15	0.25	8.25	Drill	DRILL 387M - 391M
08:15	08:30	0.25	8.50	Deviation survey	DEVIATION SURVEY 373M @ 0.50 DEG
08:30	08:45	0.25	8.75	Rig Service	RIG SERVICE
08:45	09:15	0.50	9.25	Condition mud & circulate	CIRCULATE
09:15	11:00	1.75	11.00	Trips	WIPER TRIPS, FLOW CHECK 384M, HOLEFILL=2.81M/3, CALC=2.51M/3
11:00	13:15	2.25	13.25	Ream & Clean	REAM & CLEAN - TAG BRIDGE @ 105M - 123M
13:15	14:15	1.00	14.25	Trips	TRIPS IN TO 385M
14:15	16:00	1.75	16.00	Condition mud & circulate	CONDITION MUD & CIRCULATE, WASH TO BTM F/385M - 391M, 6M FILL
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE
16:15	18:15	2.00	18.25	Trips	WIPER TRIP TO 92M, CHAIN & PIPESPINNER OUT.
18:15	19:15	1.00	19.25	Trip in hole	TRIP IN HOLE TO BOTTOM TO CIRCULATE (WAIT ON POWER TONGS, TONGS ON RIG 245)
19:15	20:00	0.75	20.00	Circulate And Condition	CIRCULATE AND CONDITION
20:00	20:15	0.25	20.25	Safety meeting	SAFETY MEETING WITH RIG MANAGER. REVIEWED SERIOUS INCIDENT. SUPERFICIAL BURNS TO BOTH FEET
20:15	22:00	1.75	22.00	Circulate And Condition	CIRCULATE AND CONDITION DUE TO POWER TONGS ON RIG 245



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/23/2010

Report #: 5.0

Depth Progress: 80.00

Total AFE Amount: 1,528,28.00

AFE Number: 09N010007

Daily Cost: 35,037

Cum Cost to Date: 250,084

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30		Rig Release Date	DFS: 2.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
22:00	00:00	2.00	24.00	Trip out of hole	TRIP OUT OF HOLE TO RUN CASING. LAY OUT 8 INCH DRILL COLLARS. FLOW CHECK AT 391M. BLOW KELLY

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 4,272		Mud Cum To Date 7,397	
Depth (mKB) 391.15	Density (kg/m³) 1120.0	Funnel Viscosity (s/L) 65	pH 8.5	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
MF-VIS	500.33	4.0
SAWDUST	6.53	11.0
CAUSTIC SODA	11.36	1.0
ULTRAPAC HV		2.0
MF-VIS	500.33	4.0
SAWDUST	6.53	6.0
GEL	14.69	10.0

MUD PUMPS

Pump Number	Rod Diameter (mm)	Pump Rating (kW)
1		
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 90
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 90
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80
2		
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 90
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 90
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80

BIT SUMMARY

Bit Run 2	Bit Type Bit	Size (mm) 311.0	Make VAREL	Model HE04JMRSV	Serial Number 254818	IADC Codes ---
Nozzles (mm) 12.7/12.7/12.7/12.7	Depth In (mKB) 254.15	Depth Out (mKB) 391.15	Depth Drilled (m) 137.00	Drilling Time (hrs) 10.75	BHA ROP (m/hr) 12.7	IADC Bit Dull 1-1-BU-A-E-0-NO-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Singles			1	9.51	384.61
Drill pipe - Stands			9	170.98	375.10
HWDP(4.0 IN)	68.0	102.0	6	55.77	204.12
X/O	61.0	151.0	1	0.30	148.35
DC (6.25 IN)	60.0	155.0	8	72.16	148.05
JARS-HYD/MECH	74.0	163.0	1	5.21	75.89
SHORT DRILL COLLAR	64.0	166.0	1	4.61	70.68
DC (6.25 IN)	60.0	155.0	5	46.24	66.07
TELEDRIFT	71.0	154.0	1	2.47	19.83
DC (8.00 IN)	72.0	194.0	2	17.05	17.36



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/23/2010

Report #: 5.0

Depth Progress: 80.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 35,037

Cum Cost to Date: 250,084

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 2.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

DRILLING SUMMARY

Depth Start (mKB) 311.15	Depth End (mKB) 387.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 7,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 150	Motor RPM (rpm)	Bit RPM (rpm) 150	Slack-Off Hook Load (daN)	Drilling Time (hrs) 5.50		
Depth Start (mKB) 387.15	Depth End (mKB) 391.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 7,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 150	Motor RPM (rpm)	Bit RPM (rpm) 150	Slack-Off Hook Load (daN)	Drilling Time (hrs) 2.50		

SAFETY CHECKS

Date	Type	Description
2/23/2010	Safety Meeting	TRIPPING w/PIPESPINNER
2/23/2010	Safety Meeting	STEAM BURNS

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
2/23/2010	312.15	0.50	0.00	312.14	2.75	0.00	2.75	0.00
2/23/2010	340.15	0.50	0.00	340.14	2.99	0.00	2.99	0.00
2/23/2010	373.15	0.50	0.00	373.13	3.28	0.00	3.28	0.00

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/22/2010

Report #: 4.0

Depth Progress: 136.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 41,834

Cum Cost to Date: 215,047

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 1.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

Daily Operations

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation	Target Depth (mKB)
105.2	311.2	Sulphur Point	1,510.00
Weather	Temperature (°C)	Lease Condition	
Mostly Clear	-18	Frozen / Ice	
Operation at 6am			
Continuing to drill 311 mm surface hole			
Operations Summary			
Continued mixing gel to increase YP, and work to clear-up sloughing cobbles, and boulders. Drilled ahead to 197 m. Concerned that teledrift was functioning erratically, and ROP indicated bit had been dulled. Elected to trip bit and change teledrift and bit. Hole good on trip, 1 m fill. Drilled ahead in clays			
Operations Next Report Period			
Run and cement surface casing, head-up BOPs			
Remarks			
No accidents or incidents			
Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)

DAILY CONTACTS

Title	Job Contact	Phone Mobile
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TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Rig Service	RIG SERVICE
00:15	02:30	2.25	2.50	Ream & Clean	REAM & CLEAN TIGHT HOLE DUE GRAVEL STRINGER
02:30	03:45	1.25	3.75	Condition mud & circulate	CONDITION MUD & CIRCULATE.BRING VIS UP TO 60S/L, TO CLEAN GRAVEL OUT OF TIGHT HOLE
03:45	04:45	1.00	4.75	Ream & Clean	REAM & CLEAN TIGHT HOLE DUE TO GRAVEL
04:45	06:15	1.50	6.25	Drill	DRILL 311MM HOLE FROM 105 METERS TO 123M
06:15	06:30	0.25	6.50	Deviation survey	DEVIATION SURVEY 105M @ 0.50 DEG
06:30	08:00	1.50	8.00	Drill	DRILL 123M - 145M
08:00	08:15	0.25	8.25	Drill	DRILL 145M - 151M
08:15	08:30	0.25	8.50	Deviation survey	DEVIATION SURVEY 133M @ 0.5 DEG
08:30	08:45	0.25	8.75	Rig Service	RIG SERVICE FUNCTION ANNULAR 10 SECS CLOSED
08:45	10:45	2.00	10.75	Drill	DRILL 151M - 178M
10:45	11:15	0.50	11.25	Deviation survey	DEVIATION SURVEY 160M @ 0.50 DEG
11:15	12:30	1.25	12.50	Drill	DRILL 178M - 197M
12:30	13:00	0.50	13.00	Condition mud & circulate	CIRCULATE CLEAN HOLE
13:00	15:30	2.50	15.50	Trips	TRIPS BIT #1 - FLOW CHECK 185M, HOLEFILL=3.05M/3, CALC=2.60M/3, RIH BIT #2.
15:30	15:45	0.25	15.75	Condition mud & circulate	WASH TO BTM F/185M - 197M, 1M FILL
15:45	17:00	1.25	17.00	Drill	DRILL 197M - 216M
17:00	17:15	0.25	17.25	Deviation survey	DEVIATION SURVEY 198M @ 1.0 DEG
17:15	17:30	0.25	17.50	Rig Service	RIG SERVICE
17:30	19:45	2.25	19.75	Drill	DRILL 216M - 254M
19:45	20:00	0.25	20.00	Deviation survey	DEVIATION SURVEY 225M @ .5 DEG
20:00	22:15	2.25	22.25	Drill	DRILL 311MM HOLE FROM 254 METERS TO 301 METERS
22:15	22:45	0.50	22.75	Circulate And Condition	WORK PIPE ON CONNECTIONS



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/22/2010

Report #: 4.0

Depth Progress: 136.00

Total AFE Amount: 1,523,128.00

AFE Number: 09N010007

Daily Cost: 41,834

Cum Cost to Date: 215,047

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 1.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
22:45	23:00	0.25	23.00	Clean - floor / Pump / screens	CLEAN SUCTION SCREENS
23:00	23:30	0.50	23.50	Drill	DRILL 311MM HOLE FROM 301 METERS TO 311 METERS
23:30	00:00	0.50	24.00	Deviation survey	DEVIATION SURVEY (ACCUMULATED)

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost 1,319	Mud Cum To Date 1,528		
Depth (mKB) 292.15	Density (kg/m³) 1050.0	Funnel Viscosity (s/L) 38	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
MF VIS		1.0
SAWDUST	6.53	8.0
SODA ASH	21.19	8.0
GEL	14.69	48.0
SULFAMIC ACID		1.0
TKPP	150.51	1.0
DETERGENT		1.0
ALKAPAM 1103RD		1.0
HYPERDRILL 247		2.0
CALCIUM NITRATE		3.0
SHURE SHALE		3.0
SAWDUST	6.53	27.0
DETERGENT		1.0
HYPERDRILL 247		1.0
DAPP		1.0
MF VIS		1.0
ALKAPAM 1103RD		1.0
SAWDUST	6.53	10.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 95
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 85
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 85
Pump Number 2	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 95
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 85
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 85

BIT SUMMARY

Bit Run 1 RR	Bit Type Bit	Size (mm) 311.0	Make VAREL	Model HEO4JMRSV	Serial Number 250962	IADC Codes ---
Nozzles (mm) 12.7/12.7/12.7/12.7	Depth In (mKB) 105.15	Depth Out (mKB) 254.15	Depth Drilled (m) 79.00	Drilling Time (hrs) 8.75	BHA ROP (m/hr) 9.0	IADC Bit Dull -----



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/22/2010

Report #: 4.0

Depth Progress: 136.00

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 41,834

Cum Cost to Date: 215,047

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30		Rig Release Date	Dfs: 1.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
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DRILLING SUMMARY

Depth Start (mKB) 105.15	Depth End (mKB) 145.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 130	Motor RPM (rpm)	Bit RPM (rpm) 130	Slack-Off Hook Load (daN)	Drilling Time (hrs) 6.25		
Depth Start (mKB) 215.15	Depth End (mKB) 254.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 7,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 150	Motor RPM (rpm)	Bit RPM (rpm) 150	Slack-Off Hook Load (daN)	Drilling Time (hrs) 2.50		

BIT SUMMARY

Bit Run 2	Bit Type Bit	Size (mm) 311.0	Make VAREL	Model HE04JMRSV	Serial Number 254818	IADC Codes ---
Nozzles (mm) 12.7/12.7/12.7/12.7	Depth In (mKB) 254.15	Depth Out (mKB) 311.15	Depth Drilled (m) 57.00	Drilling Time (hrs) 2.75	BHA ROP (m/hr) 20.7	IADC Bit Dull 1-1-BU-A-E-0-NO-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			5	95.13	299.25
HWDP (4.0 IN)	68.0	102.0	6	55.77	204.12
X/O	61.0	151.0	1	0.30	148.35
DC (6.25 IN)	60.0	155.0	8	72.16	148.05
JARS-HYD/MECH	74.0	163.0	1	5.21	75.89
SHORT DRILL COLLAR	64.0	166.0	1	4.61	70.68
DC (6.25 IN)	60.0	155.0	5	46.24	66.07
TELEDRIFT	71.0	154.0	1	2.47	19.83
DC (8.00 IN)	72.0	194.0	2	17.05	17.36

DRILLING SUMMARY

Depth Start (mKB) 254.15	Depth End (mKB) 311.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 6,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 150	Motor RPM (rpm)	Bit RPM (rpm) 150	Slack-Off Hook Load (daN)	Drilling Time (hrs) 2.75		

SAFETY CHECKS

Date	Type	Description
2/22/2010	Safety Meeting	SLIPS TRIPS & FALLS
2/22/2010	Safety Meeting	TRIPPING IN HOLE.HSE ALERT 2009-103 CW

SAFETY INCIDENTS

Date	Comment	Type
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WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)
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SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
2/22/2010	133.15	0.50	0.00	133.15	0.90	0.00	0.90	0.00
2/22/2010	160.15	0.50	0.00	160.15	1.14	0.00	1.14	0.00
2/22/2010	198.15	1.00	0.00	198.14	1.63	0.00	1.63	0.39
2/22/2010	225.15	0.50	0.00	225.14	1.99	0.00	1.99	0.56
2/22/2010	255.15	0.50	0.00	255.14	2.25	0.00	2.25	0.00

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
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Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/21/2010

Report #: 3.0

Depth Progress:

Total AFE Amount: 1,525,428.00

AFE Number: 09N010007

Daily Cost: 36,426

Cum Cost to Date: 173,213

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 0.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation Sulphur Point	Target Depth (mKB) 1,510.00
Weather Mostly Clear	Temperature (°C) -16	Lease Condition Frozen / Ice	
Operation at 6am			
Working on wash pipe @ 365 m			
Operations Summary Conducted accumulator check; pressure before 17 mPa, after opening HCR & closing diverter, 12 mPa, recharge time 2 minutes. Help pre-spud meeting, and diverter drill			
Operations Next Report Period Drill 311 mm surface hole			
Remarks No accidents or incidents			
Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)

DAILY CONTACTS		
Title	Job Contact	Phone Mobile

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	04:00	4.00	4.00	Nipple up/down diverter system	FINISH WELDING ON DIVERTER FLANGE AND NIPPLE UP DIVERTER TO FLARE TANK
04:00	08:00	4.00	8.00	Rig up	FINISH RIGGING IN TO SPUD 2B-09
08:00	10:45	2.75	10.75	Rig up	RIG UP TO SPUD, TRANSFER VOL TO MUD TANK & COND MUD, MAKE UP BHA, CONDUCT ACCUMULATOR FUNCTION TEST
10:45	11:15	0.50	11.25	Safety inspection	SAFETY INSPECTION
11:15	12:00	0.75	12.00	Safety meeting	PRE SPUD SAFETY MEETING
12:00	12:15	0.25	12.25	Drills/BOP, etc.	DRILLS/DIVERTER DRILL
12:15	12:30	0.25	12.50	Rig Service	RIG SERVICE
12:30	16:30	4.00	16.50	Drill	DRILL 28M - 78M
16:30	16:45	0.25	16.75	Deviation survey	DEVIATION SURVEY @ 60M @ 0.50 DEG
16:45	17:00	0.25	17.00	Rig Service	RIG SERVICE FUNCTION MOTORKILLS
17:00	20:00	3.00	20.00	Drill	DRILL 78M - 105M
20:00	20:15	0.25	20.25	Drills/BOP, etc.	DRILLS.DIVERTER
20:15	00:00	3.75	24.00	Circulate And Condition	CIRCULATE AND CONDITION MUD TO BRING UP YEILD POINT DUE TO GRAVEL STRINGER.WORK TIGHT HOLE

MUD CHECKS						
Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m²)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)		Daily Mud Cost 209	Mud Cum To Date 209	
Depth (mKB) 105.15	Density (kg/m³) 1030.0	Funnel Viscosity (s/L) 43	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
MF VIS		1.0
HYPERDRILL 247		2.0
SHURE SHALE		10.0
SAWDUST	6.53	24.0
MF VIS		2.0
SAWDUST	6.53	8.0



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 346 Precision Drilling

Report For: 2/21/2010

Report #: 3.0

Depth Progress:

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 36,426

Cum Cost to Date: 173,213

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: 0.48 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

MUD PUMPS			
Pump Number 1	Rod Diameter (mm)	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 90	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm)	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 80	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 90	Volumetric Efficiency (%)

BIT SUMMARY						
Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS					
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)

DRILLING SUMMARY						
Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS		
Date 2/22/2010	Type Safety Meeting	Description MIXING CHEMICALS

SAFETY INCIDENTS		
Date	Comment	Type

WELL CONTROL SUMMARY					
Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA								
Date 2/21/2010	MD (mKB) 60.15	Incl (°) 0.50	Azm (°) 0.00	TVD (mKB) 60.15	NS (m) 0.26	EW (m) 0.00	VS (m) 0.26	DLS (°/30m) 0.25

FORMATIONS		
Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/20/2010

Report #: 2.0

Depth Progress:

Total AFE Amount: 1,525,28.00

AFE Number: 09N010007

Daily Cost: 84,019

Cum Cost to Date: 136,787

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: -0.52 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation Sulphur Point	Target Depth (mKB) 1,510.00
Weather Mostly Clear	Temperature (°C) -17	Lease Condition Frozen / Ice	
Operation at 6am			
Rigging to spud			
Operations Summary			
Rat holers began at 00:01 and by 11:00 started the mouse holl. Derrick was lowered at 11:00 and rig tore out to move. 13:15 the ratholers were finished. By 16:30 the sub was spotted on the new location 9 m W of the former one. by 19:30 the 2 bed trucks of Mullens were released. Rig to spud to midnight			
Operations Next Report Period			
Rig to and Spud			
Remarks			
No incidents to report; operation went smoothly			
Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)

DAILY CONTACTS		
Title	Job Contact	Phone Mobile

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	01:30	1.50	1.50	Other	FINISH CUTTING AND CAPPING B-09
01:30	08:00	6.50	8.00	Drill rathole	ASSIST WITH DRILLING RAT HOLE, MOUSE HOLE AND CONDUCTOR ON 2B-09
08:00	11:45	3.75	11.75	Tear down	FINISH TEARING DOWN RIG FOR MOVE, RAT HOLERS FINISHING WITH MOUSE AND RAT HOLE
11:45	12:00	0.25	12.00	Safety meeting	SAFETY MEETING WITH MULLEN TRUCKING
12:00	13:30	1.50	13.50	Move rig	MOVE RIG OFF OF MATTING, MOVE MATTING AND FILL IN HOLE CENTRE FOR B-09
13:30	18:30	5.00	18.50	Move rig	SPOT MATTING AND MOVE RIG ONTO 2B-09
18:30	20:00	1.50	20.00	Rig up	RIG UP
20:00	00:00	4.00	24.00	Rig up	FINISH RIGGING IN, GET STEAM AND WATER CIRCULATING, INSPECT DERRICK BEFORE RAISING DERRICK. GET DIVERTER READY TO BE WELDED ON TO CONDUCTOR

MUD CHECKS						
Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)		Daily Mud Cost		Mud Cum To Date
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed

MUD PUMPS			
Pump Number 1	Rod Diameter (mm)		Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm)		Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/20/2010

Report #: 2.0

Depth Progress:

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 84,019

Cum Cost to Date: 136,787

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30		Rig Release Date	DFS: -0.52 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0	Volumetric Efficiency (%)

BIT SUMMARY

Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)

DRILLING SUMMARY

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS

Date	Type	Description
2/21/2010	Safety Meeting	DIVERTER

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)



Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/19/2010

Report #: 1.0

Depth Progress:

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 52,768

Cum Cost to Date: 52,768

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: -1.52 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

Daily Operations

Depth Start (mKB)		Depth End (mKB)	Target Formation Sulphur Point	Target Depth (mKB) 1,510.00
Weather Mostly clear		Temperature (°C) 0	Lease Condition	
Operation at 6am				
Rigging out on B-09				
Operations Summary				
Rigging out on B-09, installed top abandonment plug on B-09 waiting on ADW and ratholders.				
Operations Next Report Period				
Skid pd 346 to 2B-09				
Remarks				
Surface casing parted when inattentive driller pulled on it too much while attempting to remove casing slips. Rig Release from B 09 was 12:00 19 Feb. This well begins @ 12:00				
Avg Connection Gas (Units)		Avg Background Gas (Units)		Avg Trip Gas (Units)
				Max H2S (Units)

DAILY CONTACTS

Title	Job Contact	Phone Mobile
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TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	08:00	8.00	8.00		
08:00	12:00	4.00	12.00		
12:00	14:00	2.00	14.00	Tear down	TEAR DOWN RIG, WAIT ON TRUCKS TO MOVE OUT BACK END FOR RAT HOLERS
14:00	15:00	1.00	15.00	Move rig	MOVE OUT BACK END FOR RAT HOLERS
15:00	20:00	5.00	20.00	Other	WAIT ON RAT HOLERS
20:00	23:30	3.50	23.50	Other	WAIT ON RAT HOLERS
23:30	23:45	0.25	23.75	Pre-job safety	PRE-JOB SAFETY WITH HOTROD WELDING
23:45	00:00	0.25	24.00	Other	CUT CONDUCTOR AND CASING TO CAP CAMERON B-09

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m³)	Mud Lost to Hole (m³)	Cum Mud Lost to Hole (m³)	Daily Mud Cost	Mud Cum To Date		
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
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MUD PUMPS

Pump Number 1	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Volumetric Efficiency (%)		
Pump Number 2	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) 0
Volumetric Efficiency (%)		

BIT SUMMARY

Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
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Daily Drilling

Well Name: PARA ET AL CAMERON 2B-09

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/19/2010

Report #: 1.0

Depth Progress:

Total AFE Amount: 1,523,728.00

AFE Number: 09N010007

Daily Cost: 52,768

Cum Cost to Date: 52,768

API/UWI 302B-09/6010/117300	Surface Legal Location 302B09/6010/117300	Field Name Cameron Hills	License No. 2071
Spud Date 2/21/2010 12:30	Rig Release Date		DFS: -1.52 days
Ground Elevation (m) 808.25	Original KB Elevation (m) 812.60	KB-Casing Flange Distance (m)	

DRILLING SUMMARY

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		

SAFETY CHECKS

Date	Type	Description
2/20/2010	Safety Meeting	ACCOUNTABILITY

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m³)	P (LO) (kPa)

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)