



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/13/2010

Report #: 32.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 131,763

Cum Cost to Date: 2,177,598

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 27.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,473.0	Depth End (mKB) 1,473.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather CLEAR	Temperature (°C) -15	Lease Condition
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Operation at 6am

RIGGING DOWN AND CLEANING TANKS WHILE WOC

Operations Summary

TRIP IN THE HOLE TO CLEAN OUT. REAM FROM 1431m - 1436m. WASH FROM 1436m - 1473m. CIRCULATE HOLE CLEAN. TRIP OUT OF HOLE LAYING DOWN DRILL STRING. SAFETY MEETING WITH TOAL DEPTH POWER TONGS. RIG UP TO RUN CASING. RUN 139.7mm PRODUCTION CASING TO 752m. BREAK CIRCULATION AT 752m. RUN 139.7mm CASING TO 1459m. WASH CASING FROM 1459m - 1473m. CIRCULATE AND CONDITION MUD FOR CEMENTING. SAFETY MEETING WITH SANJEL CEMENTERS. MIX AND PUMP 28 TONNE (25% OVER LOGGED VOLUME) THIXLITE WITH 0.4% LTR LEAD CEMENT AND 9 TONNE (25% OVER LOGGED VOLUME) EXPANDOMIX LWL WITH 0.15 CFL-3, 0.3% LTR. DISPLACED CEMENT WITH 18.7m3 WATER. FINAL CIRCULATING PRESSURE WAS 9500kpa. BUMPED PLUG WITH 13000kpa. FULL RETURNS THROUGHOUT JOB. THERE WAS NO CEMENT TO SURFACE.

Operations Next Report Period

WOC, REMOVE BOP AND INSTALL WELLHEAD. **RELEASE RIG**

Remarks

OBSERVED LOSSES WHILE TRIP OUT OF HOLE LAYING DOWN DRILL STRING. ACTUAL HOLE FILL VOLUME PLUS 2.8m3. CONTINUED LOSSES WHILE RUNNING CASING TO 752m OF DOUBLE STEEL DISPLACEMENT. LOSSES HEALED AFTER BREAKING CIRCULATION. TOTAL LOSSES 10m3.

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	01:45	1.75	1.75	Trips	TRIPS, RIH , FC @ 735M AND FILL PIPE
01:45	03:15	1.50	3.25	Reaming	REAMING 1431 TO 1436, WASH TO BOTTOM FROM 1451M
03:15	03:30	0.25	3.50	Rig Service	RIG SERVICE, FUNCTIONED PIPE RAMS C/O 5 SECONDS
03:30	03:45	0.25	3.75	Condition mud & circulate	CIRCULATE HOLE CLEAN
03:45	08:00	4.25	8.00	Trips	TRIPS, LAY DOWN STRING FC @ 1467, 1399, 735, 129, 0M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE
08:15	10:45	2.50	10.75	Lay down drill pipe	FINISH LAY DOWN DRILL PIPE. FLOW CHECK 735 METERS. 129M, 0M. FUNCTIONED BLIND RAMS WHILE ON BANK
10:45	11:00	0.25	11.00	Safety meeting	SAFETY MEETING WITH TOTAL DEPTH POWER TONGS
11:00	11:30	0.50	11.50	Rig up/down to run casing	RIG UP TO RUN CASING
11:30	18:00	6.50	18.00	Run casing	RUN CASING. FLOW CHECK 0M, 375M, 752M. BREAK CIRCULATION AT 752 METERS
18:00	20:00	2.00	20.00	Circulate And Condition	CIRCULATE CASING AND CONDITION MUD PRIOR TO CEMENT FINAL CEMENT JOB
20:00	21:30	1.50	21.50	Circulate And Condition	CIRCULATE AND CONDITION MUD PRIOR TO FINAL CEMENT
21:30	21:45	0.25	21.75	Safety meeting	SAFETY MEETING WITH SANJEL CEMENT SERVICES
21:45	00:00	2.25	24.00	Cementing	CEMENTING

Daily Drilling Reports



Paramount
resources ltd.

Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/13/2010

Report #: 32.0

Depth Progress: 0.00

Total AFE Amount: 1,76, .00

AFE Number: 09N010005

Daily Cost: 131,763

Cum Cost to Date: 2,177,598

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 27.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m ³)	Oil Water Ratio	Chlorides (mg/L) 1,100	Calcium (mg/L) 400	Lime (kg/m ³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m ²) 1097.0	Sand (%)	Solids (%) 2.5	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m ³)	Mud Lost to Hole (m ³) 10.00	Cum Mud Lost to Hole (m ³) 10.00	Daily Mud Cost 695	Mud Cum To Date 101,057		
Depth (mKB) 1,473.00	Density (kg/m ³) 1050.0	Funnel Viscosity (s/L) 45	pH 9.0	PV Override (cp) 13.0	YP Override (Pa) 8,600	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
ALKAPAM 1103D CODE 1007	211.93	1.0
CALCIUM NITRATE		2.0
DESCO CODE 1054	80.46	6.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number	Rod Diameter (mm) 152.0	Pump Rating (kW) 800.0
Pressure (kPa) 3,400	Slow Speed Check? Yes	Strokes (spm) 69
		Volumetric Efficiency (%) 98

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	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

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m ³ /min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		
Bit Run 3D	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model HE18MSV	Serial Number 250656	IADC Codes 4-4-7-X
Nozzles (mm) 14.3/14.3/14.3	Depth In (mKB) 1,431.00	Depth Out (mKB) 1,473.00	Depth Drilled (m) 27.00	Drilling Time (hrs) 1.50	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 - Singles			1	9.42	1,466.97
Drill pipe - Stands			67	1,272.49	1,457.55
HWDP		102.0	6	55.79	185.06
X/O	58.0	156.0	1	0.28	129.27
DC (6.25 IN)	58.0	156.0	8	72.15	128.99
JARS-HYD	60.0	166.0	1	5.51	56.84
SHORT DC	64.0	166.0	1	4.61	51.33
DC (6.25 IN)	58.0	156.0	5	45.58	46.72
BIT SUB	0.7	161.0	1	0.91	1.14

DRILLING SUMMARY

Depth Start (mKB) 1,431.00	Depth End (mKB) 1,436.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m ³ /min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 0.28		



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Spud Date 1/17/2010 07:30	Rig Release Date	DFS: 27.69 days	
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

DRILLING SUMMARY

Depth Start (mKB) 1,451.00	Depth End (mKB) 1,473.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 100	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 1.22		

SAFETY CHECKS

Date	Type	Description
2/13/2010	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)



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/12/2010

Report #: 31.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 81,746

Cum Cost to Date: 2,045,836

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 26.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,473.0	Depth End (mKB) 1,473.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather CLEAR	Temperature (°C) -10	Lease Condition
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Operation at 6am

TRIPPING OUT LAYING DOWN DRILL STRING AT 990m

Operations Summary

RIG DOWN WEATHERFORD WIRELINE. TRIP IN HOLE WITH BIT TO 374m. CUT AND SLIP DRILL LINE. TRIP IN HOLE TO 902m. WASH AND REAM FROM 902m - 910m. TRIP IN HOLE TO 1431m. WASH AND REAM FROM 1431m - 1473m. CIRCULATE AND CONDITION MUD. INCREASE VISCOSITY TO 86 sec AND YP TO 23 pA. TRIP OUT OF HOLE TO LOG. RIG IN WEATHERFORD LOGGERS AND RUN IN HOLE WITH LOG RUN#2 SPD/CNT/UGR/MR. LOG BOTTOM AT 1459m. TRIP IN THE HOLE TO CLEAN OUT AND LAY DOWN DRILL STRING.

Operations Next Report Period

TRIP IN THE HOLE, LAY DOWN DRILL STRING, RUN AND CEMENT 139.7mm CASING

Remarks

SLOW REAMING FROM 1431m - 1473m. OBSERVED AT SHAKER WHAT APPEARED TO BE MUSKEG FORMATION CUTTINGS. INAC INSPECTION TODAY RESULTED IN SOME CONCERNS OVER LIQUID CONTENT IN REMOTE SUMP #2.

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:30	0.50	0.50	Wireline logs	WIRELINE LOGS, LAY DOWN TOOL
00:30	00:45	0.25	0.75	Rig Service	RIG SERVICE, FUNCTIONED BLIND RAMS C/O 5 SECONDS
00:45	02:00	1.25	2.00	Trips	TRIPS, RIH, CLEAN OUT TRIP, FC @ 0,374M
02:00	02:30	0.50	2.50	Cut off Drill Line	CUT OFF DRILL LINE
02:30	04:00	1.50	4.00	Trips	TRIPS, RIH FC @ 374,793M FILLPIPE, BREAKCIRCULATION
04:00	04:45	0.75	4.75	Reaming	REAMING 902M - 910M
04:45	05:30	0.75	5.50	Trips	TRIPS, RIH,
05:30	08:00	2.50	8.00	Reaming	REAM FROM 1431M 1452M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTIONED PIPE RAMS C/O 4 SECS
08:15	10:30	2.25	10.50	Reaming	REAM FROM 1452M TO 1473M
10:30	12:15	1.75	12.25	Condition mud & circulate	CONDITION MUD & CIRCULATE PRIOR TO COMING OUT TO LOG. BLOW KELLY
12:15	17:30	5.25	17.50	Trip out of hole	TRIP OUT OF HOLE TO FINISH LOGGING. FLOW CHECK AT 1464M, 1399M, 736M, 142M, 0M. FUNCTIONED BLIND RAMS WHILE OUT OF HOLE
17:30	17:45	0.25	17.75	Safety meeting	SAFETY MEETING WITH WEATHERFORD WIRELINE SERVICES
17:45	20:00	2.25	20.00	Logging - Open hole logs	LOGGING - OPEN HOLE LOGS, SPD/CNT/UGR/MRI, LOG FROM 1459M @ 19:30 HRS
20:00	22:30	2.50	22.50	Logging - Open hole logs	LOGGING - OPEN HOLE LOGS
22:30	00:00	1.50	24.00	Trips	TRIPS, CLEAN OUT, FC @ 0,375,738,

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		
			3,438	100,362		
Depth (mKB) 1,460.00	Density (kg/m³) 1040.0	Funnel Viscosity (s/L) 86	pH 9.5	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
CAUSTIC SODA BEADS	44.63	1.0



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Business Unit: NE BC & NWT COU
Rig: 436 PRECISION DRILLING, DIV OF PDC

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 Depth Progress: 0.00
 Total AFE Amount: 1,78,000.00
 AFE Number: 09N010005
 Daily Cost: 81,746
 Cum Cost to Date: 2,045,836

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 26.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD ADDITIVES			
Description	Cost (/unit)	Consumed	
MF VIS	500.41	5.0	
BARITE CODE 1019	22.29	40.0	

MUD PUMPS			
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
1	152.4	800.0	
Pressure (kPa)	Slow Speed Check?	Strokes (spm)	Volumetric Efficiency (%)
	No		
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
2	152.4	800.0	
Pressure (kPa)	Slow Speed Check?	Strokes (spm)	Volumetric Efficiency (%)
2,800	Yes	69	98
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
	152.0	800.0	
Pressure (kPa)	Slow Speed Check?	Strokes (spm)	Volumetric Efficiency (%)
	No		

BIT SUMMARY						
Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
2A	Bit	200.0	VAREL	VTD513HX	4001140	---
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull
10.3/10.3/10.3/10.3...				0.00		-----

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)		
Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
2D	Bit	200.0	VAREL	VTD513HX	4001140	---
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull
10.3/10.3/10.3/10.3...	535.00	1,473.00	930.00	74.75	12.4	-----

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)
1,431.00	1,452.00		5,000			
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		
100				3.25		

SAFETY CHECKS		
Date	Type	Description

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)

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



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/11/2010

Report #: 30.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 33,491

Cum Cost to Date: 1,935,466

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 25.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,473.0	Depth End (mKB) 1,473.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather CLEAR	Temperature (°C) -15	Lease Condition
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Operation at 6am

WASHING AT 1440m TO CONDITION MUD FOR LOGGING

Operations Summary

COMPLETE WIPER TRIP TO CASING SHOE. WASH TO BOTTOM FROM 1434m - 1473m. FILL ON BOTTOM WAS 35m. CIRCULATE AND CONDITION MUD FOR LOGGING. INCREASE YP TO 15.8 pA. TRIP OUT OF HOLE TO LOG WITH A STRAP. STRAP RESULT 1473.63m. SAFETY MEETING WITH WEATHERFORD LOGGERS. RIG IN WEATHERFORD LOGGERS AND RUN STI/SPe/CNS/GR/MRT/HBC/CAL AND TAGGED BOTTOM AT 1456.3m

Operations Next Report Period

LOG WELL, TRIP IN, CONDITION MUD FOR LOG #2, TRIP OUT TO LOG, LOG RUN #2

Remarks

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

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	02:00	2.00	2.00	Trips	WIPER TRIP TO SHOE (377M) FC @ 735,370M
02:00	04:00	2.00	4.00	Trips	TRIPS, RIH FC @ 370,793 FILL PIPE, 1436
04:00	05:00	1.00	5.00	Condition mud & circulate	WASH TO BOTTOM FROM 1434 TO 1473
05:00	08:00	3.00	8.00	Condition mud & circulate	CONDITION MUD & CIRCULATE
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTIONED ANNULAR PREVENTER C/O 8 SECS
08:15	09:15	1.00	9.25	Condition mud & circulate	CONDITION MUD & CIRCULATE PRIOR TO COMING OUT TO LOG
09:15	15:00	5.75	15.00	Trip out of hole	TRIP OUT OF HOLE TO RUN WIRELINE LOGS, STRAP OUT, FLOW CHECK AT 1460M, 1399M, 736M, 142M, 0M. BLOW KELLY. FUNCTIONED BLIND RAMS WHILE ON BANK
15:00	15:15	0.25	15.25	Safety meeting	SAFETY MEETING WITH WEATHERFORD WIRELINE SERVICES
15:15	20:00	4.75	20.00	Logging - Open hole logs	LOG CAMERON M-74. TOOLS USED TO LOG HOLE ARE STI/MDA/SPED/CNT/MRT/DAC/UGR/CALF/WCCB, LOGGERS TAGGED BOTTOM @ 1456.3M @ 18:30 HRS
20:00	00:00	4.00	24.00	Logging - Open hole logs	WEATHERFORD LOGGING M-74

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 (%) 2.5	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 2,111	Mud Cum To Date 96,596		
Depth (mKB) 1,473.00	Density (kg/m³) 1040.0	Funnel Viscosity (s/L) 56	pH 11.0	PV Override (cp) 16.0	YP Override (Pa) 15.800	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
MF VIS	500.41	3.0
ULTRA PAC R	203.10	3.0



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Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/11/2010

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Depth Progress: 0.00

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AFE Number: 09N010005

Daily Cost: 33,491

Cum Cost to Date: 1,935,466

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 25.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa) 3,500	Slow Speed Check? Yes	Strokes (spm) 69
		Volumetric Efficiency (%) 98
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
		Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm) 152.0	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
		Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	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

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)
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Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/10/2010

Report #: 29.0

Depth Progress: 209.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 46,401

Cum Cost to Date: 1,898,595

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 24.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,264.0	Depth End (mKB) 1,473.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather CLEAR	Temperature (°C) -14	Lease Condition
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Operation at 6am

CIRCULATING AND CONDITIONING MUD TO LOG

Operations Summary

DRILL FROM 1254m - 1387m. TELEDRIFT SURVEY AT 1371m. DRILL FROM 1387m - 1424m. SAFETY STAND-DOWN WITH PRECISION DRILLING FIELD SUPERINTENDENT AND SAFETY PERSONNEL. DRILL FROM 1424m TO TD AT 1473m. CIRCULATE TO CONDITION MUD PROPERTIES. TRIP OUT OF HOLE ON WIPER TRIP.

Operations Next Report Period

COMPLETE WIPER TRIP, CONDITION HOLE FOR LOGGING, TRIP OUT TO LOG, LOG WELL, TRIP IN HOLE TO LAY DOWN DRILL PIPE

Remarks

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:30	0.50	0.50	Rig Service	RIG SERVICE, FUNCTION PIPE RAMS C/O 4 SECONDS, GREASE LOWER DRIVE SHAFT & TIGHTEN BOLTS
00:30	08:00	7.50	8.00	Drill	DRILL 200mm HOLE FROM 1264m TO 1349m
08:00	08:15	0.25	8.25	Drills/BOP, etc.	DRILLS/BOP, WELL SECURE 70 SECONDS
08:15	08:30	0.25	8.50	Rig Service	RIG SERVICE FUNCTIONED ANNULAR PREVENTER C/O 8 SECONDS
08:30	13:15	4.75	13.25	Drill	DRILL 200mm HOLE FROM 1349 TO 1387m
13:15	13:30	0.25	13.50	Deviation survey	DEVIATION SURVEY @ 1371m DEV 2.5 DEG
13:30	16:30	3.00	16.50	Drill	DRILL 200mm HOLE FROM 1387 TO 1424
16:30	17:00	0.50	17.00	Safety stand-down	SAFETY STAND-DOWN WITH FEILD SUP AND SAFTY HAND
17:00	17:15	0.25	17.25	Rig Service	RIG SERVICE FUNCTIONED PIPE RAMS C/O 4 SECS
17:15	20:00	2.75	20.00	Drill	DRILL 200MM HOLE FROM 1424m TO 1454m
20:00	20:15	0.25	20.25	Drills/BOP, etc.	DRILLS/BOPS, WELL SECURE IN 77 SECS
20:15	22:00	1.75	22.00	Drill	DRILL 200MM HOLE FROM 1454 METERS TO 1473 METERS
22:00	23:15	1.25	23.25	Condition mud & circulate	CONDITION MUD & CIRCULATE PROIR TO WIPER TRIP TO CASING SHOE
23:15	00:00	0.75	24.00	Trip out of hole	TRIP OUT OF HOLE TO CASING SHOE. FLOW CHECK AT 1460m, 1394m. 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 723	Mud Cum to Date 91,104		
Depth (mKB) 1,473.00	Density (kg/m³) 1040.0	Funnel Viscosity (s/L) 47	pH 11.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
SURE SHALE		1.0
HYPER DRILL 247		1.0
CAUSTIC SODA BEADS	44.63	2.0
ULTRA PAC HV		2.0



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/10/2010

Report #: 29.0

Depth Progress: 209.00

Total AFE Amount: 1,78 .00

AFE Number: 09N010005

Daily Cost: 46,401

Cum Cost to Date: 1,898,595

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 24.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
STARDRILL		2.0
HUMALITE CODE1084	16.58	4.0
CAL CARB 325 CODE 1038		5.0
CAL CARB O CODE 1037		5.0
ALKAPAM 1103D CODE 1007	211.93	1.0
MF VIS		2.0
CAUSTIC SODA BEADS	44.63	2.0
ULTRA PAC HV		3.0
STARDRILL		5.0
HUMALITE CODE1084	16.58	6.0
MF VIS		1.0
ULTRA PAC R 1401		1.0
STARDRILL 1401		2.0
HUMALITE CODE1084	16.58	2.0
CAUSTIC SODA BEADS	44.63	3.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa) 3,200	Slow Speed Check? Yes	Strokes (spm) 69
Pump Number	Rod Diameter (mm) 152.0	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
		Volumetric Efficiency (%) 98

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	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

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)		
Bit Run 2D	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 535.00	Depth Out (mKB) 1,473.00	Depth Drilled (m) 909.00	Drilling Time (hrs) 71.50	BHA ROP (m/hr) 12.7	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Singles			1	9.52	1,461.12
Drill pipe - Stands			66	1,253.43	1,451.60
HWDP		102.0	6	55.79	198.17
X/O	58.0	156.0	1	0.28	142.38
DC (6.25 IN)	58.0	156.0	8	72.15	142.10
JARS-HYD	60.0	166.0	1	5.51	69.95
SHORT DC	64.0	166.0	1	4.61	64.44
DC (6.25 IN)	58.0	156.0	5	45.58	59.83
X/O	0.7	165.0	1	0.39	14.25
MONEL	0.8	168.0	1	9.47	13.86



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/10/2010

Report #: 29.0

Depth Progress: 209.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 46,401

Cum Cost to Date: 1,898,595

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 24.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
X/O	0.8	152.0	1	0.34	4.39
X/O	0.6	156.0	1	0.36	4.05
TELEDRIFT	0.7	154.0	1	2.47	3.69
BIT SUB	0.7	161.0	1	0.91	1.22

DRILLING SUMMARY

Depth Start (mKB) 1,264.00	Depth End (mKB) 1,349.00	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) 7.50		
Depth Start (mKB) 1,349.00	Depth End (mKB) 1,454.00	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) 1,454.00	Depth End (mKB) 1,473.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 6,000	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) 1.75		

SAFETY CHECKS

Date	Type	Description
2/10/2010	Safety Meeting	REACHING TARGET ZERO

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 M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/9/2010

Report #: 28.0

Depth Progress: 284.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 41,379

Cum Cost to Date: 1,845,023

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 23.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB)	951.0	Depth End (mKB)	1,254.0	Target Formation	Sulphur Point	Target Depth (mKB)	1,465.00
Weather		Temperature (°C)		Lease Condition			
CLEAR		-13					
Operation at 6am							
DRILLING TO 1329m AT 5m - 15m / hr							
Operations Summary							
DRILL FROM 951m - 1045m. PERFORM WEEKLY ACCUMULATOR FUNCTION TEST. STARTING PRESSURE 17,000 kpa, REMAINING PRESSURE AFTER THREE FUNCTIONS 10,700kpa. RECHARGE IN 93 sec. DRILL FROM 1045m - 1065m. DIRECTIONAL SURVEY - MISRUN. DRILL FROM 1065m - 1074m. DIRECTIONAL SURVEY. DRILL FROM 1074m - 1216m. TOTCO SURVEY. DRILL FROM 1216m - 1254m							
Operations Next Report Period							
DRILL AHEAD, POSSIBLE TRIP FOR BIT CHANGE							
Remarks							

DAILY CONTACTS

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

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 C.O 4 SECONDS
00:15	07:00	6.75	7.00	Drill	DRILL 200mmHOLE FROM 951mTO 1045M
07:00	08:00	1.00	8.00	Circulate And Condition	WORK PIPE ON CONN
08:00	08:15	0.25	8.25	SAFETY MEETING	RIG SERVICE, FUNCTIONED ACCUMUALTOR FUNCTION TEST, START 17000/ THREE FUNCTIONS,10700, RECHARGE 93 SECONDS, PRECHARGE 7200, N2 BTLS, 16500,17000
08:15	09:00	0.75	9.00	Drill	DRILL 200mm HOLE FROM 1045 TO 1065M
09:00	09:30	0.50	9.50	Deviation survey	DEVIATION SURVEY @ 1045M MISS RUN
09:30	10:00	0.50	10.00	Drill	DRILL 200mmHOLE FROM 1065 TO 1074M
10:00	10:45	0.75	10.75	Deviation survey	DEVIATION SURVEY @ 1053M DEV 1 DEG 310 AZM
10:45	16:45	6.00	16.75	Drill	DRILL 200mm HOLE FROM 1074 TO 1168M
16:45	17:00	0.25	17.00	Rig Service	RIG SERVICE, FUNCTIONED PIPE RAMS C/O 5 SECONDS
17:00	19:45	2.75	19.75	Drill	DRILL 200mmHOLE FROM 1168mTO 1207
19:45	20:00	0.25	20.00	Deviation survey	DEVIATION SURVEY 1194M -MISSRUN
20:00	20:45	0.75	20.75	Drill	DRILL 200mmHOLE FROM 1207mTO 1216m
20:45	21:15	0.50	21.25	Deviation survey	DEVIATION SURVEY
21:15	00:00	2.75	24.00	Drill	DRILL 200mmHOLE FROM 1216mTO 1254m

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 7,221	Mud Cum To Date 90,002		
Depth (mKB) 1,245.00	Density (kg/m³) 1030.0	Funnel Viscosity (s/L) 38	pH 9.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
CAL CARB SUP		6.0



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/9/2010

Report #: 28.0

Depth Progress: 284.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 41,379

Cum Cost to Date: 1,845,023

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 23.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
ULTRA PAC R	203.10	6.0
ALKAPAM 1103D CODE 1007	211.93	1.0
HYPER DRILL 247RD 1302	221.55	1.0
CAUSTIC SODA BEADS	44.63	2.0
SODA ASH CODE 1169	21.19	2.0
LIGNITE		2.0
MILLZAN	522.35	2.0
ULTRA PAC R	203.10	4.0
MTL SHURE SHALE	195.11	5.0
CAL CARB 325 CODE 1038	11.36	11.0
SURE SHALE		1.0
ALKAPAM 1103D CODE 1007	211.93	1.0
HYPER DRILL 247 CODE1302	221.55	1.0
MILLZAN	522.35	2.0
ULTRA PAC R	203.10	4.0
CAL CARB O CODE 1037		5.0
CAL CARB 325 CODE 1038	11.36	5.0
HUMALITE CODE1084	16.58	8.0

MUD PUMPS			
Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0	
Pressure (kPa) 2,200	Slow Speed Check? Yes	Strokes (spm) 69	Volumetric Efficiency (%) 98
Pump Number	Rod Diameter (mm) 152.0	Pump Rating (kW) 800.0	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)	Volumetric Efficiency (%)

BIT SUMMARY						
Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	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)		
Bit Run 2D	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 535.00	Depth Out (mKB) 1,254.00	Depth Drilled (m) 700.00	Drilling Time (hrs) 51.75	BHA ROP (m/hr) 13.5	IADC Bit Dull -----

DRILL STRING COMPONENTS					
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			55	1,044.58	1,242.75
HWDP		102.0	6	55.79	198.17
X/O	58.0	156.0	1	0.28	142.38
DC (6.25 IN)	58.0	156.0	8	72.15	142.10
JARS-HYD	60.0	166.0	1	5.51	69.95
SHORT DC	64.0	166.0	1	4.61	64.44
DC (6.25 IN)	58.0	156.0	5	45.58	59.83



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/9/2010

Report #: 28.0

Depth Progress: 284.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 41,379

Cum Cost to Date: 1,845,023

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 23.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
X/O	0.7	165.0	1	0.39	14.25
MONEL	0.8	168.0	1	9.47	13.86
X/O	0.8	152.0	1	0.34	4.39
X/O	0.6	156.0	1	0.36	4.05
TELEDRIFT	0.7	154.0	1	2.47	3.69
BIT SUB	0.7	161.0	1	0.91	1.22

DRILLING SUMMARY

Depth Start (mKB) 951.00	Depth End (mKB) 1,026.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	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) 6.75		
Depth Start (mKB) 1,045.00	Depth End (mKB) 1,207.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	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) 10.00		
Depth Start (mKB) 1,207.00	Depth End (mKB) 1,254.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	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) 3.50		

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)
2/9/2010	1,053.00	1.00	310.00	1,052.44	11.02	-8.20	3.62	0.24
2/9/2010	1,194.00	0.00	0.00	1,193.43	11.81	-9.14	4.21	0.21
2/9/2010	1,207.00	1.00	0.00	1,206.43	11.93	-9.14	4.17	2.31

FORMATIONS

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

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/8/2010

Report #: 27.0

Depth Progress: 209.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 40,823

Cum Cost to Date: 1,804,136

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 22.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 742.0	Depth End (mKB) 951.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather CLEAR	Temperature (°C) -11	Lease Condition	

Operation at 6am

DRILLING TO 1017m AT 15m - 20m / hr

Operations Summary

DRILL FROM 724m - 799m. CIRCULATE AND RUN SINGLE SHOT SURVEY AT 779m. DRILL FROM 799m - 913m. CIRCULATE AND RUN SINGLE SHOT SURVEY AT 893m. DRILL FROM 913m - 931m. WORK STUCK PIPE FREE AND LAY DOWN THREE SINGLES. CIRCULATE AND CONDITION MUD TO INCREASE VISCOSITY. CONTROL DRILL FROM 931m - 951m WHILE WORKING ON MUD.

Operations Next Report Period

DRILL AHEAD

Remarks

DRILL STRING BECAME STUCK WHILE MAKING A CONNECTION AT 931m. DRILL STRING HYDRAULIC. WORKED PIPE FREE, PULLED 3 SINGLES, ESTABLISHED CIRCULATION, CLEANED HOLE, WASHED TO BOTTOM, CIRCULATED TO CLEAN HOLE AND INCREASE MUD VISCOSITY AND YP. CAUSE OF INCIDENT DUE TO MUD PUMP INEFFICIENCY (VALVE OBSTRUCTION) AND NO MUD PROPERTIES.

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

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

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 C/O 4 SECONDS
00:15	06:00	5.75	6.00	Drill	DRILL 200mmHOLE FROM 742m TO 799M
06:00	06:45	0.75	6.75	Deviation survey	DEVIATION SURVEY @ 779M DEV 1.5 DEG
06:45	08:00	1.25	8.00	Drill	DRILL 200m HOLE FROM 799 - 818M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE, FUNCTIONED ANNULAR PREVENTERV C/O 8 SECONDS
08:15	15:30	7.25	15.50	Drill	DRILL 200mm HOLE FROM 818 - 913M
15:30	16:30	1.00	16.50	Condition mud & circulate	CIRCULATE HOLE CLEAN, WORK PIPE
16:30	17:15	0.75	17.25	Deviation survey	DEVIATION SURVEY @ 893M DEV 1 DEG
17:15	18:30	1.25	18.50	Drill	DRILL 200mm HOLE FROM 913 - 931m
18:30	19:00	0.50	19.00	Circulate And Condition	WORK STUCK PIPE FREE
19:00	20:00	1.00	20.00	Condition mud & circulate	CIRCULATE CLEAN HOLE & CONDITION MUD
20:00	22:00	2.00	22.00	Condition mud & circulate	CIRCULATE CLEAN HOLE & CONDITION MUD
22:00	01:00	3.00	25.00	Drill	DRILL 200mmHOLE FROM 931m TO 951m
01:00	02:00	1.00	26.00	Condition mud & circulate	CIRCULATE CLEAN HOLE & CONDITION MUD
02:00	05:00	3.00	29.00	Drill	DRILL 200mmHOLE FROM 731m TO 951m

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 7,622	Mud Cum To Date 82,781		
Depth (mKB) 950.00	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 32	pH 10.0	PV Override (cp)	YP Override (Pa)	



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/8/2010

Report #: 27.0

Depth Progress: 209.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 40,823

Cum Cost to Date: 1,804,136

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 22.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
SAWDUST CODE 1122	6.53	7.0
CAL CARB 325 CODE 1038	11.36	7.0
CAL CARB O CODE 1037		8.0
CITRIC ACID	104.79	9.0
KELZAN	522.35	1.0
ULTRA PAC R	203.10	1.0
ALKAPAM 1103D CODE 1007	211.93	2.0
CITRIC ACID	104.79	18.0
ALKAPAM 1103D CODE 1007	211.93	1.0
MILLZAN	522.35	1.0
ULTRA SEAL		3.0
SODIUM BICARB		3.0
KELZAN XCD	522.35	5.0
CAL CARB O CODE 1037		8.0
SAWDUST CODE 1122	6.53	9.0
CAL CARB 325 CODE 1038	11.36	10.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa) 2,300	Slow Speed Check? Yes	Strokes (spm) 69
Pump Number	Rod Diameter (mm) 152.0	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
		Volumetric Efficiency (%) 98

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	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

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)		
Bit Run 2D	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 535.00	Depth Out (mKB) 951.00	Depth Drilled (m) 416.00	Drilling Time (hrs) 31.50	BHA ROP (m/hr) 13.2	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			39	741.02	939.19
HWDP		102.0	6	55.79	198.17
X/O	58.0	156.0	1	0.28	142.38
DC (6.25 IN)	58.0	156.0	8	72.15	142.10
JARS-HYD	60.0	166.0	1	5.51	69.95
SHORT DC	64.0	166.0	1	4.61	64.44
DC (6.25 IN)	58.0	156.0	5	45.58	59.83
X/O	0.7	165.0	1	0.39	14.25
MONEL	0.8	168.0	1	9.47	13.86



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/8/2010

Report #: 27.0

Depth Progress: 209.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 40,823

Cum Cost to Date: 1,804,136

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 22.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
X/O	0.8	152.0	1	0.34	4.39
X/O	0.6	156.0	1	0.36	4.05
TELEDRIFT	0.7	154.0	1	2.47	3.69
BIT SUB	0.7	161.0	1	0.91	1.22

DRILLING SUMMARY

Depth Start (mKB) 742.00	Depth End (mKB) 818.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 1,500	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) 7.00		
Depth Start (mKB) 818.00	Depth End (mKB) 931.00	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) 8.50		
Depth Start (mKB) 931.00	Depth End (mKB) 951.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	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) 3.00		

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)
2/8/2010	779.00	1.50	230.00	778.48	12.81	-4.34	-6.47	0.58
2/8/2010	779.00	1.50	220.00	778.48	12.81	-4.34	-6.47	0.58
2/8/2010	893.00	1.00	230.00	892.46	11.02	-6.06	-3.99	0.14

FORMATIONS

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

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/7/2010

Report #: 26.0

Depth Progress: 207.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 74,103

Cum Cost to Date: 1,761,882

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 21.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 535.0	Depth End (mKB) 742.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather CLEAR	Temperature (°C) -12	Lease Condition	

Operation at 6am

DRILLING TO 799m AT 20 m/hr

Operations Summary

CIRCULATE AND WOC AT 475m. TRIP IN AND TAG CEMENT PLUG AT 535m. TRIP OUT OF HOLE AND LAY DOWN 73mm FIBREGLASS TUBING. MAKE UP PDC AND DRILLING ASSEMBLY AND TRIP IN HOLE TO 370m. CUT AND SLIP DRILL LINE. TRIP IN HOLE TO CEMENT TOP AT 535m. DRILL CEMENT FROM 535m - 731m. DRILL FROM 731m - 742m. CIRCULATE BOTTOMS UP FOR SURVEY. RUN SINGLE SHOT SURVEY AT 727m.

Operations Next Report Period

DRILL AHEAD

Remarks

DRILLING AHEAD WITH MINOR LOSSES OF 2m³/hr FROM 731m - 759m. ZERO LOSSES AFTER 759m. CONTROL DRILLING AT 15 m/hr WITH LESS THAN 1 daN ON BIT WHILE DRILLING FROM 731m - 790m.

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

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

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 C/O 8 SECONDS
00:15	00:45	0.50	0.75	Condition mud & circulate	CIRCULATE WAIT ON CEMENT
00:45	01:30	0.75	1.50	Cementing	CEMENTING FEEL PLUG #2 @ 535 M
01:30	01:45	0.25	1.75	Condition mud & circulate	CIRCULATE
01:45	05:15	3.50	5.25	Trips	TRIPS , FOR FIBERGLASS TUBBING FC@383,166,0M FUNCTION BLIND RAMS OUT OF HOLE C/O 3 SECONDS
05:15	08:00	2.75	8.00	Pick up BHA	PICK UP BHA , RIH FC @0,166,378,
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE,FUNCTIONED ANNULAR PREVENTER C/O 8 SECONDS
08:15	08:30	0.25	8.50	Cut off Drill Line	CUT OFF DRILL LINE
08:30	09:00	0.50	9.00	Trips	TRIPS, LAY DOWN 26 DRILL PIPE
09:00	10:30	1.50	10.50	Trips	TRIPS, RIH TO 535M (TAGGED CEMENT)
10:30	20:00	9.50	20.00	Drill	DRILL 200MM HOLE FROM 535M TO 658M
20:00	23:30	3.50	23.50	Drill	DRILL 200 mmHOLE FROM 685m TO 742m
23:30	23:45	0.25	23.75	Condition mud & circulate	CIRCULATE BOTTOMS UP
23:45	00:00	0.25	24.00	Deviation survey	DEVIATION SURVEY

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m ³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m ³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m ³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m ³)	Mud Lost to Hole (m ³)	Cum Mud Lost to Hole (m ³)	Daily Mud Cost 760	Mud Cum To Date 72,787		
Depth (mKB) 726.00	Density (kg/m ³) 1010.0	Funnel Viscosity (s/L) 30	pH 11.5	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
KELZAN	522.35	1.0
ULTRA PAC R	203.10	1.0
CALCIUM NITRATE		8.0



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/7/2010

Report #: 26.0

Depth Progress: 207.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 74,103

Cum Cost to Date: 1,761,882

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 21.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
CITRIC ACID		10.0
CAL CARB O CODE 1037		3.0
CAL CARB 325 CODE 1038	11.36	3.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	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

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)		
Bit Run 2D	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 535.00	Depth Out (mKB) 742.00	Depth Drilled (m) 207.00	Drilling Time (hrs) 13.00	BHA ROP (m/hr) 15.9	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			28	532.15	730.32
HWDP		102.0	6	55.79	198.17
X/O	58.0	156.0	1	0.28	142.38
DC (6.25 IN)	58.0	156.0	8	72.15	142.10
JARS-HYD	60.0	166.0	1	5.51	69.95
SHORT DC	64.0	166.0	1	4.61	64.44
DC (6.25 IN)	58.0	156.0	5	45.58	59.83
X/O	0.7	165.0	1	0.39	14.25
MONEL	0.8	168.0	1	9.47	13.86
X/O	0.8	152.0	1	0.34	4.39
X/O	0.6	156.0	1	0.36	4.05
TELEDRIFT	0.7	154.0	1	2.47	3.69
BIT SUB	0.7	161.0	1	0.91	1.22

DRILLING SUMMARY

Depth Start (mKB) 535.00	Depth End (mKB) 658.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min) 1.250	dP (SPP) (kPa)
RPM (rpm) 27	Motor RPM (rpm)	Bit RPM (rpm) 27	Slack-Off Hook Load (daN)	Drilling Time (hrs) 9.50		
Depth Start (mKB) 658.00	Depth End (mKB) 742.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 1,000	Drilling Torque	Flow Rate (m³/min) 1.250	dP (SPP) (kPa)
RPM (rpm) 110	Motor RPM (rpm)	Bit RPM (rpm) 110	Slack-Off Hook Load (daN)	Drilling Time (hrs) 3.50		



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/7/2010

Report #: 26.0

Depth Progress: 207.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 74,103

Cum Cost to Date: 1,761,882

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 21.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

SAFETY CHECKS

Date	Type	Description

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)
2/7/2010	722.00	3.50	216.00	721.47	15.27	-3.05	14.46	136.01

FORMATIONS

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



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/6/2010

Report #: 25.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 55,199

Cum Cost to Date: 1,687,779

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 20.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB)	731.0	Depth End (mKB)	731.0	Target Formation	Sulphur Point	Target Depth (mKB)	1,465.00
Weather	OVERCAST		Temperature (°C)	-14		Lease Condition	
Operation at 6am							
TRIP IN THE HOLE MAKING UP DRILLOUT BHA							
Operations Summary							
WASH AND REAM FROM 624m - 731m. TRIP OUT OF HOLE WITH CLEAN OUT ASSEMBLY. MAKE UP 300m OF 73mm FIBREGLASS TUBING STINGER AND TRIP IN THE HOLE TO BOTTOM. MIX AND PUMP 7 TONNE CEMENT PLUG FROM 731m - 542m. PULL OUT OF PLUG AND WOC AT 500m. TRIP IN AND TAG PLUG TOP AT 604m. MIX AND PUMP 4 TONNE CEMENT PLUG FROM 604m- 490m. PULL OUT OF PLUG AND WOC AT 475m.							
Operations Next Report Period							
TAG CEMENT PLUG AT 536m, TRIP OUT TO LAY DOWN CEMENTING STRING, TRIP IN WITH DRILLING ASSEMBLY, DRILL CEMENT							
Remarks							
BOTTOM CEMENT PLUG HAD DROPPED 62m FROM CALCULATED HEIGHT.							
Avg Connection Gas (Units)		Avg Background Gas (Units)		Avg Trip Gas (Units)		Max H2S (Units)	

DAILY CONTACTS

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

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 C/O 8 SECONDS
00:15	03:45	3.50	3.75	Ream & Clean	REAM & CLEAN FROM 624m TO 731m
03:45	04:00	0.25	4.00	Condition mud & circulate	CIRCULATE BOTTOMS UP
04:00	04:15	0.25	4.25	Deviation survey	DEVIATION SURVEY @720 -6 DEGREE
04:15	07:30	3.25	7.50	Trip out of hole	TRIP OUT OF HOLE FC @ 719,695,387,166,0M
07:30	07:45	0.25	7.75	Rig Service	RIG SERVICE, FUNCTIONED BLIND RAMS C/O 5 SECONDS
07:45	08:00	0.25	8.00	Safety meeting	WEEKLY FOCUS SAFETY MEETING WITH RIG MANAGER
08:00	12:45	4.75	12.75	Trips	TRIPS, RUN 73MM FIBREGLASS TUBING AS CEMENT STINGER
12:45	13:15	0.50	13.25	Condition mud & circulate	CIRCULATE HOLE CLEAN
13:15	13:30	0.25	13.50	Safety meeting	SAFETY MEETING WITH SANJEL PERSONNEL
13:30	14:15	0.75	14.25	Cementing	CEMENTING PLUG # 1 730m - 544m
14:15	14:45	0.50	14.75	WAIT ON CEMENT	TRIPS, POOH TO 500M
14:45	16:00	1.25	16.00	WAIT ON CEMENT	CONDITION MUD & CIRCULATE
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE, FUNCTIONED PIPE RAMS C/O 5 SECONDS
16:15	18:00	1.75	18.00	WAIT ON CEMENT	CONDITION MUD & CIRCULATE
18:00	19:00	1.00	19.00	Trips	TRIPS, FEEL PLUG # 7 @604m
19:00	20:00	1.00	20.00	Condition mud & circulate	CONDITION MUD & CIRCULATE
20:00	20:30	0.50	20.50	Pre-job safety	PRE-JOB SAFETY WITH CEMENTERS (SANJEL)
20:30	20:45	0.25	20.75	Cementing	CEMENTING PLUG #8 FROM 603m - 498m
20:45	00:00	3.25	24.00	WAIT ON CEMENT	CIRCULATE ,WAIT ON CEMENT



Daily Drilling
Well Name: PARA ET AL CAMERON M-74
Business Unit: NE BC & NWT COU
Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/6/2010
Report #: 25.0
Depth Progress: 0.00
Total AFE Amount: 1,789,656.00
AFE Number: 09N010005
Daily Cost: 55,199
Cum Cost to Date: 1,687,779

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 20.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

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 3,656	Mud Cum To Date 72,027		
Depth (mKB) 607.00	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 38	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
KELZAN XCD	522.35	7.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	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

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)		
Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model HE18MSV	Serial Number 250656	IADC Codes 4-4-7-X
Nozzles (mm) 14.3/14.3/14.3	Depth In (mKB) 411.00	Depth Out (mKB) 731.00	Depth Drilled (m) 604.00	Drilling Time (hrs) 27.75	BHA ROP (m/hr) 21.8	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			28	532.15	730.24
HWDP		102.0	6	55.79	198.09
X/O	58.0	156.0	1	0.28	142.30
DC (6.25 IN)	58.0	156.0	8	72.15	142.02
JARS-HYD	60.0	166.0	1	5.51	69.87
SHORT DC	64.0	166.0	1	4.61	64.36
DC (6.25 IN)	58.0	156.0	5	45.58	59.75
X/O	0.7	165.0	1	0.39	14.17
MONEL	0.8	168.0	1	9.47	13.78
X/O	0.8	152.0	1	0.34	4.31
X/O	0.6	156.0	1	0.36	3.97
TELEDRIFT	0.7	154.0	1	2.47	3.61
BIT SUB	0.7	161.0	1	0.91	1.14



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/6/2010

Report #: 25.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 55,199

Cum Cost to Date: 1,687,779

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 20.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

DRILLING SUMMARY

Depth Start (mKB) 624.00	Depth End (mKB) 731.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 30	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 3.50		

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)
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Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/5/2010

Report #: 24.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 34,245

Cum Cost to Date: 1,632,580

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 19.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 731.0	Depth End (mKB) 731.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather OVERCAST	Temperature (°C) -13	Lease Condition	
Operation at 6am TRIPPING OUT AT 317m TO PICK UP CEMENT STINGER			
Operations Summary TRIP OUT OF HOLE TO PICK UP CEMENT STINGER. MAKE UP 300m OF FIBREGLASS 73mm TUBING. TRIP INTO HOLE TO 463m WASH BRIDGES FROM 463m - 602m. UNABLE TO WASH THROUGH BRIDGES. TRIP OUT OF HOLE WITH CEMENT STINGER AND LAY DOWN. MAKE UP DRILLING ASSEMBLY AND TRIP IN HOLE TO 466m. WASH AND REAM FROM 466m - 618m. CHANGE MUD SYSTEM TO POLYMER WITH A VISCOSITY OF 40-45.			
Operations Next Report Period WASH TO BOTTOM, TRIP OUT, MAKE UP CEMENTING STRING, CEMENT WELL THROUGH LOSS ZONE, WOC, DRILL OUT CEMENT			
Remarks LARGE AMOUNT OF LCM, ERODED CEMENT AND DRILL CUTTINGS UNLOADED OVER SHAKER WHEN HOLE CONVERTED TO MUD. TOTAL LOSSES FROM 597m - 602m.			
Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)

DAILY CONTACTS

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645

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 C/O 3 SECONDS
00:15	02:15	2.00	2.25	Trip out of hole	TRIP OUT OF HOLE FC, @ 719,694,
02:15	03:15	1.00	3.25	Ream & Clean	REAM & CLEAN FROM 430m TO 453m
03:15	05:15	2.00	5.25	Trip out of hole	TRIP OUT OF HOLE FC @ 378,0M FUNCTION BLIND RAMS OUT OF HOLE C/O 3 SECONDS
05:15	07:30	2.25	7.50	Trips	TRIPS ,PICK UP 73mm FIBREGLASS TUBING STINGER RUN IN HOLE
07:30	08:00	0.50	8.00	Trips	TRIPS, RIH TO 465M IBER
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE, FUNCTIONED ANNULAR PREVENTER C/O 8 SECONDS
08:15	13:30	5.25	13.50	Reaming	WASHING FROM 463 TO 602M, UNABLE TO GET TUBING STRING TO BOTTOM
13:30	14:30	1.00	14.50	Trips	TRIPS, POOH, FC @ 602,517,311m
14:30	17:00	2.50	17.00	Trips	TRIPS, LAY DOWN TUBING STRING
17:00	17:15	0.25	17.25	Rig Service	RIG SERVICE, FUNCTIONED BLIND RAMS C/O 5 SECONDS
17:15	19:15	2.00	19.25	Trips	TRIPS, RIH, FC @ 0, 130, 375M
19:15	19:45	0.50	19.75	Condition mud & circulate	CIRCULATE BOTTOMS UP @ 466m
19:45	20:00	0.25	20.00	Trips	TRIPS ,RIH 1 STAND REAM 2 SINGLES
20:00	00:00	4.00	24.00	Ream & Clean	REAM & CLEAN FROM 485m TO 624M

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 3,308	Mud Cum To Date 68,371		
Depth (mKB) 595.00	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 40	pH 8.0	PV Override (cp) 13.0	YP Override (Pa) 6.700	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
KELZAN	522.35	4.0
ULTRA PAC R	203.10	6.0
CALCIUM NITRATE		10.0



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/5/2010

Report #: 24.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 34,245

Cum Cost to Date: 1,632,580

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 19.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number	Rod Diameter (mm)	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number	Rod Diameter (mm)	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check?	Strokes (spm)
		Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	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

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)		
Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model HE18MSV	Serial Number 250656	IADC Codes 4-4-7-X
Nozzles (mm) 14.3/14.3/14.3	Depth In (mKB) 411.00	Depth Out (mKB) 731.00	Depth Drilled (m) 604.00	Drilling Time (hrs) 27.75	BHA ROP (m/hr) 21.8	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			28	532.15	730.24
HWDP		102.0	6	55.79	198.09
X/O	58.0	156.0	1	0.28	142.30
DC (6.25 IN)	58.0	156.0	8	72.15	142.02
JARS-HYD	60.0	166.0	1	5.51	69.87
SHORT DC	64.0	166.0	1	4.61	64.36
DC (6.25 IN)	58.0	156.0	5	45.58	59.75
X/O	0.7	165.0	1	0.39	14.17
MONEL	0.8	168.0	1	9.47	13.78
X/O	0.8	152.0	1	0.34	4.31
X/O	0.6	156.0	1	0.36	3.97
TELEDRIFT	0.7	154.0	1	2.47	3.61
BIT SUB	0.7	161.0	1	0.91	1.14

DRILLING SUMMARY

Depth Start (mKB) 466.00	Depth End (mKB) 624.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 30	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 4.00		

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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Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/5/2010
Report #: 24.0
Depth Progress: 0.00

Total AFE Amount: 1,789,656.00
AFE Number: 09N010005
Daily Cost: 34,245
Cum Cost to Date: 1,632,580

API/UWI	Surface Legal Location	Field Name	License No.
300M746010117150	300M74601011715	Cameron Hills	2063
Spud Date	Rig Release Date		DFS: 19.69 days
1/17/2010 07:30			
Ground Elevation (m)	Original KB Elevation (m)	KB-Casing Flange Distance (m)	
777.93	782.13	3.97	

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 M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/4/2010

Report #: 23.0

Depth Progress: 155.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 40,867

Cum Cost to Date: 1,598,335

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 18.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 576.0	Depth End (mKB) 731.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather MOSTLY CLEAR	Temperature (°C) -18	Lease Condition
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Operation at 6am

RUN IN HOLE WITH 73MM FIBREGLASS TUBING TO CEMENT

Operations Summary

PATTERNED TRICONE BIT AND DRILLED AHEAD FROM 576 M 681 WITH NO RETURNS. HOLE WAS PACKED OFF. WIPER TRIP TO 375 M (HOLE SWABBING TO 420M). WASHED FROM 411M - 550M. HOLE UNLOADED LARGE VOLUME OF CUTTINGS AND LCM. TRIPPED BACK IN HOLE FROM 590M - 681M. DRILLED AHEAD 682M - 722 M WITH MOSTLY NO RETURNS. WAITED ON WATER FOR 1 HOUR. DRILLED AHEAD TO 731 M WITH PARTIAL TO 75% RETURNS. CIRCULATED HOLE.

Operations Next Report Period

RUN CEMENT PLUGS, WOC AND DRILL OUT

Remarks

COMPLETED DRILLING WABAMUN AND LOSS SECTIONS AND WILL CEMENT WITH TWO PLUGS OF FAST SETTING CEMENT. HOLE APPEARS WASHED-OUT FROM 377 - 440 M. MAIN RIG LIGHT PLANT DOWN AT 14:00HR. WAITING ON PARTS TO REPAIR. RIG OPERATING ON SMALLER STANDBY LIGHT PLANT. UNABLE TO RUN CENTRIFUGE. PRECISION MECHANIC ON LOCATION TO REPAIR #1 MUD PUMP ENGINE.

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

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

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 C/O 4 SECONDS
00:15	07:30	7.25	7.50	Drill	DRILL 200 mmHOLE FROM 576mTO 646m
07:30	08:00	0.50	8.00	Deviation survey	DEVIATION SURVEY
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE, FUNCTIONED ANNULAR PREVENTER C/O 8 SECONDS
08:15	11:15	3.00	11.25	Drill	DRILL 200mm HOLE FROM 646 TO 681m
11:15	12:30	1.25	12.50	Trips	TRIPS, WIPER TO 375M, FC @ 674,646,375M
12:30	17:45	5.25	17.75	Reaming	REAMING, 411M TO,590
17:45	18:00	0.25	18.00	Rig Service	RIG SERVICE,FUNCTION PIPE RAMS C/O 3 SEC.
18:00	20:00	2.00	20.00	Drill	DRILL 200mm HOLE FROM 681 TO 703m
20:00	22:00	2.00	22.00	Drill	DRILL 200mmHOLE FROM 703m TO 722m
22:00	23:00	1.00	23.00	W/O Water	W/O WATER
23:00	23:45	0.75	23.75	Drill	DRILL 200 mmHOLE FROM 722mmTO 731m
23:45	00:00	0.25	24.00	Condition mud & circulate	CONDITION MUD & CIRCULATE

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 2,599	Mud Cum To Date 64,894		
Depth (mKB) 566.00	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 30	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
ALKAPAM 1103D CODE 1007	211.93	1.0
ULTRA SEAL XP CODE 1145	77.73	2.0
KELZAN XCD	522.35	2.0
CELLOFLAKES CODE 1240	72.40	3.0
KWIKSEAL CODE 1081	34.01	4.0



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/4/2010

Report #: 23.0

Depth Progress: 155.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 40,867

Cum Cost to Date: 1,598,335

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 18.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
CALCIUM NITRATE		10.0
SAWDUST CODE 1122	6.53	35.0
DEFOAMER XL	169.17	3.0
SAWDUST CODE 1122	6.53	15.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor		165.0			0.31

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)		
Bit Run 3	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model HE18MSV	Serial Number 250656	IADC Codes 4-4-7-X
Nozzles (mm) 14.3/14.3/14.3	Depth In (mKB) 411.00	Depth Out (mKB) 731.00	Depth Drilled (m) 339.00	Drilling Time (hrs) 20.25	BHA ROP (m/hr) 16.7	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			28	532.15	719.68
HWDP		102.0	6	55.79	187.53
X/O	58.0	156.0	1	0.28	131.74
DC (6.25 IN)	58.0	156.0	8	72.15	131.46
JARS-HYD	60.0	166.0	1	5.51	59.31
SHORT DC	64.0	166.0	1	4.61	53.80
DC (6.25 IN)	58.0	156.0	5	45.58	49.19
TELEDRIFT	71.0	154.0	1	2.47	3.61
BIT SUB	0.7	161.0	1	0.91	1.14

DRILLING SUMMARY

Depth Start (mKB) 576.00	Depth End (mKB) 646.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 10,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 85	Motor RPM (rpm)	Bit RPM (rpm) 85	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.25		
Depth Start (mKB) 646.00	Depth End (mKB) 681.00	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) 1.49		
Depth Start (mKB) 411.00	Depth End (mKB) 595.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 70	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.83		



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/4/2010

Report #: 23.0

Depth Progress: 155.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 40,867

Cum Cost to Date: 1,598,335

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 18.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

DRILLING SUMMARY

Depth Start (mKB) 681.00	Depth End (mKB) 703.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 10,000	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) 0.94		
Depth Start (mKB) 703.00	Depth End (mKB) 731.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 10,000	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) 2.75		

SAFETY CHECKS

Date	Type	Description

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)
2/4/2010	598.00	4.00	0.00	597.71	7.72	-3.01	7.72	4.26

FORMATIONS

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



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/3/2010

Report #: 22.0

Depth Progress: 114.15

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 68,773

Cum Cost to Date: 1,548,213

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 17.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 472.0	Depth End (mKB) 586.2	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather MOSTLY CLEAR	Temperature (°C) -27	Lease Condition	

Operation at 6am

DRILLING BLIND TO 625M AT 10 - 15 M/HR

Operations Summary

SAFETY MEETING WITH DEPARTURE DIRECTIONAL. PICKED-UP DIRECTIONAL TOOLS AND TRIPPED IN HOLE TO THE BOTTOM OF THE CASING. WORKED ON GETTING PUMP #1 READY, WOULD NOT START, SWITCHED TO PUMP #2. WASHED THROUGH BRIDGE @ 402 M AND WASHED DOWN TO COMPETANT SIDE-TRACK CEMENT @ 467 M. TIME DRILLED OFF PLUG AND DIRECTIONALLY DRILLED AHEAD. BOP DRILL WITH 2 CREWS. CONTINUED TO DIRECTIONALLY DRILL ON 220 AZIMUTH. BEGAN TO LOOSE RETURNS AT 573 M. TRIPPED OUT DIRECTIONAL TOOLS, LAID DOWN TOOLS AND TRIPPED IN WITH ROTARY ASSEMBLY. WASHED BRIDGES AT 426 M AND WASHED FROM 470 M TO BOTTOM WITH FULL RETURNS

Operations Next Report Period

DRILL AHEAD THROUGH WABAMUN, TRIP OUT AND RUN PLUG

Remarks

ELECTED TO RETRIEVE DIRECTIONAL ASSEMBLY WHEN CIRCULATION LOSSES ENCOUNTERED, CHANGED TO TRICONE BIT TO ASSIST IN DROPPING HOLE ANGLE

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

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:15	0.25	0.25	Safety meeting	SAFETY MEETING WITH DEPARTURE ENERGY SERVICES
00:15	00:45	0.50	0.75	Directional work	DIRECTIONAL WORK, MAKE UP MWD TOOLS, ORIENTATE TOOLS, PUT ON BIT
00:45	02:15	1.50	2.25	Trips	TRIPS, RUN IN TO FEEL PLUG
02:15	03:30	1.25	3.50	Other	PREPARE PUMP #2 FOR SERVICE
03:30	06:00	2.50	6.00	Ream & Clean	REAM & CLEAN FROM 402 METERS TO 467 METERS TO FIND TOP OF CEMENT
06:00	08:00	2.00	8.00	Drill	DRILL 200MM HOLE FROM 467 METERS TO 472m
08:00	08:15	0.25	8.25	Drills/BOP, etc.	DRILLS/BOP, WELL SECURE IN 78 SECONDS
08:15	08:30	0.25	8.50	Rig Service	RIG SERVICE FUNCTION PIPE RAMS C/O 4 SECONDS
08:30	15:30	7.00	15.50	Drill	DRILL 200 mmHOLE FROM 472m TO 576m
15:30	16:00	0.50	16.00	Directional surveys	DIRECTIONAL SURVEYS (ACCUMULATED)
16:00	16:15	0.25	16.25	Drills/BOP, etc.	DRILLS/BOP, WELL SECURE 65 SECONDS
16:15	16:30	0.25	16.50	Rig Service	RIG SERVICE, FUNCTIONED ANNULAR PREVENTER C/O 8 SECONDS
16:30	18:30	2.00	18.50	Trips	TRIPS, POOH, FC @ 576,547,285, 147,0M
18:30	19:30	1.00	19.50	Directional work	DIRECTIONAL WORK, LAY DOWN TOOLS
19:30	20:00	0.50	20.00	Trips	TRIPS, RIH, FC @ 0,
20:00	22:15	2.25	22.25	Trips	TRIPS, RIH, FC @ 0,132,377,538
22:15	00:00	1.75	24.00	Reaming	REAMING FROM 456M TO 576M

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 297	Mud Cum To Date 62,295		
Depth (mKB) 558.00	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 30	pH 10.5	PV Override (cp)	YP Override (Pa)	



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/3/2010

Report #: 22.0

Depth Progress: 114.15

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 68,773

Cum Cost to Date: 1,548,213

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 17.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
ULTRA PAC CODE 1401	203.10	1.0
SAWDUST CODE 1122	6.53	4.0
CAL CARB O CODE 1037		6.0
CAL CARB 325 CODE 1038	11.36	6.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 378.00	Depth Out (mKB) 1,089.00	Depth Drilled (m) 1,299.15	Drilling Time (hrs) 81.50	BHA ROP (m/hr) 15.9	IADC Bit Dull 0-1-CT-A-1-0-NO-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Singles			1	9.51	620.65
Drill Pipe	82.3	101.6	1	9.52	630.17
Drill pipe - Stands			19	360.94	611.14
HWDP		102.0	6	55.79	250.20
X/O	58.0	156.0	1	0.28	194.41
DC (6.25 IN)	58.0	156.0	8	72.15	194.13
JARS-HYD	60.0	166.0	1	5.51	121.98
SHORT DC	64.0	166.0	1	4.61	116.47
DC (6.25 IN)		158.0	5	45.58	66.28
DC (6.25 IN)	58.0	156.0	5	45.58	111.86
X/O SUB	74.0	165.0	1	0.39	20.70
CUTTER SUB	83.0	165.0	1	0.79	19.40
BIT SUB		161.0	1	0.91	20.31
FLEXNMDC	83.0	168.0	1	9.47	18.61
MP UBHO	65.0	165.0	1	0.68	9.14
165MM MOTOR		168.0	1	8.15	8.46

DRILLING SUMMARY

Depth Start (mKB) 402.00	Depth End (mKB) 467.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 32	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 4.50		
Depth Start (mKB) 472.00	Depth End (mKB) 586.15	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 30	Motor RPM (rpm)	Bit RPM (rpm) 30	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.00		
Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor		165.0			0.31



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/3/2010

Report #: 22.0

Depth Progress: 114.15

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 68,773

Cum Cost to Date: 1,548,213

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 17.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

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)
2/3/2010	503.68	3.30	215.50	503.52	8.91	-0.23	8.91	0.96
2/3/2010	513.17	3.50	212.70	513.00	8.45	-0.54	8.45	0.82
2/3/2010	522.65	3.70	213.40	522.46	7.95	-0.87	7.95	0.65
2/3/2010	532.16	3.70	214.80	531.96	7.94	-1.04	7.94	88.84
2/3/2010	541.64	4.60	222.90	541.42	7.41	-1.47	7.41	3.39

FORMATIONS

Formation Name	Drill Top MD (mKB)	Drill Top TVD (mKB)
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Daily Drilling
Well Name: PARA ET AL CAMERON M-74
Business Unit: NE BC & NWT COU
Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/3/2010
Report #: 22.0
Depth Progress: 0.00
Total AFE Amount: 1,789,656.00
AFE Number: 09N010005
Daily Cost: 33,849
Cum Cost to Date: 1,502,558

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 17.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB)	1,089.0	Depth End (mKB)	1,089.0	Target Formation	Sulphur Point	Target Depth (mKB)	1,465.00
Weather		Temperature (°C)		Lease Condition			
OVERCAST		-20					
Operation at 6am							
Operations Summary							
Operations Next Report Period							
Remarks							
Avg Connection Gas (Units)		Avg Background Gas (Units)		Avg Trip Gas (Units)		Max H2S (Units)	

DAILY CONTACTS

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment

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 61,997		
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) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number	Rod Diameter (mm)	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor		165.0			0.31

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)		



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/3/2010

Report #: 22.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 33,849

Cum Cost to Date: 1,502,558

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 17.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

SAFETY CHECKS

Date	Type	Description

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 M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/2/2010

Report #: 21.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 55,804

Cum Cost to Date: 1,468,709

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 16.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,089.0	Depth End (mKB) 1,089.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather HIGH CLOUD, LIGHT WIND	Temperature (°C) -24	Lease Condition
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Operation at 6am

TIME DRILLING TOP OF KICK OFF @ 467 M

Operations Summary

CONTINUED TO WASH TO 664 M WITH FULL TO PARTIAL RETURNS. CEMENTED PLUG #5 664 - 475 M WITH 7 t OF EXPANDOMIX. P.I.P. AT 03:00. TRIPPED OUT TO 400 M AND CIRCULATED PIPE CLEAN. WOC AND TRIPPED IN HOLE TO TAG PLUG @ 494M. RAN SIDE-TRACK PLUG #1 WITH 5T OF "G" CEMENT FROM 492 TO 393 M WITH PARTIAL RETURNS. P.I.P. @ 09:35. COMP. STRENGTH: 8 HRS 2.25 MPA, 16 HRS 18.5 MPA. TRIPPED OUT OF HOLE, LAID DOWN DRILL PIPE AND WOC. PRESSURE TESTED MANIFOLD AND BOPS TO 1.5 & 14 MPA. FOR 10 MINUTES EACH (ANNULAR TO 10.5 MPA) PRESSURE TESTED INSIDE BOP, STABBING VALVE, KELLY COCKS. FUNCTION TESTED ACCUMULATOR. PRESSURE BEFORE 17 MPA, AFTER 3 FUNCTIONS PRESSURE REMAINING 12.5 MPA 57 SECS TO RECHARGE. RIG REPAIR; REPLACED 3 DRAWWORKS CHAINS.

Operations Next Report Period

TRIP IN HOLE, SIDE TRACK AND DIRECTIONALLY DRILL TO WABAMUN TOP, TRIP OUT FOR BHA CHANGE

Remarks

ELECTED TO CONDUCT REQUIRED 15 DAY PRESSURE TEST WHILE CEMENT WOC. REQUIRED RIG REPAIRS (CHANGED 3 DRAWWORKS CHAINS)

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645

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 PIPE RAMS C/O 4 SECS
00:15	02:15	2.00	2.25	Circulate And Condition	CIRCULATE SINGELS TO BOTTOM FOR SETTING CEMENT PLUGS.BLOW KELLY
02:15	02:30	0.25	2.50	Safety meeting	SAFETY MEETING WITH SANJEL CEMENTING SERVICES
02:30	03:00	0.50	3.00	Cement plugs	CEMENT PLUGS.FIRST PLUG AT 664 M - 475M
03:00	03:30	0.50	3.50	Trip out of hole	TRIP OUT OF HOLE TO 400 METERS.11 STANDS SLOW,3 STANDS FAST
03:30	06:30	3.00	6.50	Circulate And Condition	CIRCULATE AT 400 METERS UNTIL TIME TO RUN IN TO FEEL FIRST CEMENT PLUG
06:30	08:00	1.50	8.00	Trip in hole	TRIP IN HOLE TO FEEL FIRST CEMENT PLUG @ 494M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTION PIPE RAMS C/O 3 SECONDS
08:15	09:00	0.75	9.00	Condition mud & circulate	CIRCULATE BOTTOMS UP
09:00	09:15	0.25	9.25	Safety meeting	SAFETY MEETING WITH SANJEL CEMENTING SERVICES
09:15	09:30	0.25	9.50	Cementing	CEMENTING TOP PLUG 403M -303M CL "G" , 5 TONNE AT 2100 KG/M3
09:30	10:00	0.50	10.00	Trips	TRIPS ,PULL 6 STANDS SLOW &3 FAST INTO DERRICK
10:00	10:30	0.50	10.50	Condition mud & circulate	CIRCULATE BOTTOMS UP
10:30	14:00	3.50	14.00	Lay down drill pipe	RUN IN & LAY DOWN DRILL PIPE FC@
14:00	14:15	0.25	14.25	Safety meeting	SAFETY MEETING DANNY,S PRESSURE TESTING
14:15	18:30	4.25	18.50	Pressure test BOPs	PRESSURE TEST BOPS ,PRESSURE TEST BLIND RAMS ,HCR ,ALL BOP VALVES,ALL MANIFOLD VALVES PIPE RAMS ,ANNULAR 1500 KPA(LOW 10500 KPA (HIGH) ,STABBING VALVE,INSIDE BOPS ,CASING CHOKES CHOKE LINE VALVES ,TESTS 1500 KPA (LOW) 14000 KPA (HIGH) ALL TESTS 10 MIN
18:30	20:00	1.50	20.00	Wait on cement	WAIT ON CEMENT
20:00	00:00	4.00	24.00	Rig Repair	RIG REPAIR, CHANGE CHAINS IN DRAWWORKS



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/2/2010

Report #: 21.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 55,804

Cum Cost to Date: 1,468,709

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 16.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

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 61,997		
Depth (mKB) 397.00	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 30	pH 10.5	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
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MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor		165.0			0.31

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
2/2/2010	Safety Meeting	RIGGING IN DIRECTIONAL TOOLS

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)
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Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/1/2010

Report #: 20.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 66,203

Cum Cost to Date: 1,412,905

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 15.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,089.0	Depth End (mKB) 1,089.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather CLEAR	Temperature (°C) -18	Lease Condition
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Operation at 6am

WOC ON PLUG #5 BEFORE SIDE TRACK PLUG

Operations Summary

CONTINUED TO REAM/DRILL CEMENT PLUGS TO 491 M. LEVELLED RIG (2" WATER TANK, 1" MUD TANK SIDE) REAMED/DRILLED CEMENT PLUG TO 595 M CIRCULATED BOTTOMS-UP AND LAID DOWN 18 SINGLES AND TRIPPED IN STANDS. REAMED TO 673 M WITH RETURNS LOST FROM 618 M. TRIPPED BACK TO 500 M AND CIRCULATED WITH PARTIAL TO FULL RETURNS AND WASHED TO 580 M. TRIPPED OUT OF HOLE TO RUN PLUG #5 AND SIDE-TRACK PLUG. TRIPPED IN OPEN ENDED AND CIRCULATED BRIDGE @ 405 M AND WASHED FROM 600 TO 630 M WITH PARTIAL TO FULL RETURNS BY MIDNIGHT

Operations Next Report Period

RUN PLUG #5 AND KICK OFF PLUG, WOC AND SIDE TRACK

Remarks

AS LOSSES HAVE NOT BEEN CONTAINED, AUTHORIZED TO SIDE TRACK WELL FROM 430 M

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645

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 PIPE RAMS C/O 4 SECS
00:15	00:30	0.25	0.50	Ream & Clean	REAM CEMENT PLUGS FROM 481 METERS TO 491 METERS
00:30	00:45	0.25	0.75	Safety meeting	SAFETY MEETING WITH ARDY RIG JACKING
00:45	01:30	0.75	1.50	Level rig	LEVEL RIG
01:30	07:00	5.50	7.00	Ream & Clean	REAM CEMENT PLUGS FROM 491 METERS TO 595 METERS
07:00	07:15	0.25	7.25	Condition mud & circulate	CIRCULATE BOTTOMS UP
07:15	08:00	0.75	8.00	Trips	TRIPS, BLOW KELLY, LAY DOWN 16 SINGLES, F/C @ 582
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTION ANNULAR C/O 8 SECONDS
08:15	09:00	0.75	9.00	Trips	TRIPS, RUN IN 8 STANDS
09:00	09:30	0.50	9.50	Condition mud & circulate	CIRCULATE & CLEAN HOLE
09:30	10:30	1.00	10.50	Trips	TRIPS, WASH TO 595m
10:30	14:45	4.25	14.75	Ream & Clean	REAM & CLEAN
14:45	15:45	1.00	15.75	Trip out of hole	TRIP OUT OF HOLE 9 STANDS, KELLY UP & BREAK CIRCULATION
15:45	16:00	0.25	16.00	Condition mud & circulate	CIRCULATE BOTTOMS UP
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE FUNCTION PIPE RAMS C/O 4 SECONDS FUNCTION HCR C/O 3 SECONDS
16:15	17:00	0.75	17.00	Condition mud & circulate	CIRCULATE
17:00	19:30	2.50	19.50	Trip out of hole	TRIP OUT OF HOLE, BLOW KELLY, FC @ 574, 516, 378 166M, OM, FUNCTION BLIND RAMS OUT OF HOLE C/O 4 SECONDS
19:30	20:00	0.50	20.00	Safety meeting	SAFETY MEETING WITH DEPARTURE ENERGY SERVICES. PULL OUT MWD TOOL, DRAIN MOTOR, RESET BEND. RACK BACK IN DERRICK
20:00	21:30	1.50	21.50	Trip in hole	TRIP IN HOLE TO 672 METERS TO RUN CEMENT PLUGS. FLOW CHECK AT 0M, 377M
21:30	22:15	0.75	22.25	Circulate And Condition	CIRCULATE AT 405 METERS DUE TO BRIDGE
22:15	22:45	0.50	22.75	Trip in hole	TRIP IN HOLE 600 METERS



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/1/2010

Report #: 20.0

Depth Progress: 0.00

Total AFE Amount: 1,786,536.00

AFE Number: 09N010005

Daily Cost: 66,203

Cum Cost to Date: 1,412,905

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 15.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
22:45	00:00	1.25	24.00	Circulate And Condition	CIRCULATE 600M METERS DUE TO BRIDGE

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 1,983	Mud Cum To Date 61,997		
Depth (mKB) 579.00	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 31	pH 11.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
SAWDUST	6.53	4.0
ULTRA PAC CODE 1401	203.10	1.0
ULTRA SEAL XP CODE 1145	77.73	1.0
KELZAN XCD	522.35	1.0
HYPER DRILL 247 CODE1302	221.55	1.0
MILLZAN	522.35	1.0
CAL CARB O CODE 1037	11.36	14.0
SAWDUST CODE 1122	6.53	14.0
CAL CARB 325 CODE 1038	11.36	14.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Drill -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor		165.0			0.31

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)		
Bit Run 02	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 481.00	Depth Out (mKB) 595.00	Depth Drilled (m) 114.00	Drilling Time (hrs) 5.75	BHA ROP (m/hr) 19.8	IADC Bit Drill -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Stands			33	627.00	627.31



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 2/1/2010

Report #: 20.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 66,203

Cum Cost to Date: 1,412,905

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 15.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

DRILLING SUMMARY						
Depth Start (mKB) 481.00	Depth End (mKB) 595.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,500	Drilling Torque	Flow Rate (m ³ /min)	dP (SPP) (kPa)
RPM (rpm) 29	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 5.75		

SAFETY CHECKS		
Date	Type	Description

SAFETY INCIDENTS		
Date	Comment	Type

WELL CONTROL SUMMARY					
Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m ³)	P (LO) (kPa)

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

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



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/31/2010

Report #: 19.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 37,026

Cum Cost to Date: 1,341,734

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 14.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,089.0	Depth End (mKB) 1,089.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather OVERCAST	Temperature (°C) -18	Lease Condition	
Operation at 6am DRILLING OUT CEMENT PLUGS TO 575 M			
Operations Summary TRIPPED IN HOLE, CIRCULATED THROUGH BRIDGES AT 480 & 552 M. TRIPPED IN HOLE TO 732 M, CIRCULATED MINOR FRAC ATTACK AND RAN PLUG #3 - 7t OF EXPANDOMIX WITH NO RETURNS TO SURFACE. PULLED BACK TO 500 M AND CIRCULATED HOLE CLEAN, ATTEMPTED TO SQUEEZE, WOULD NOT HOLD PRESSURE. WOC. TRIPPED IN AND WASHED FRAC ATTACK FROM 532 TO 592 M. STARTED TO LOOSE RETURNS. RAN PLUG #4 - 6t OF EXPANDOMIX AND PULLED INTO CASING. CIRCULATED HOLE CLEAN, NO CEMENT BACK. HELD 1 - 1.5 MPA SQUEEZE PRESSURE FOR 15 MINUTES. TRIPPED OUT OF HOLE FOR DIRECTIONAL TOOLS. TRIPPED IN AND TAGGED CEMENT/FRAC ATTACK AT 405 M. REAMED/DRILLED CEMENT PLUGS TO 481 M BY MIDNIGHT			

Operations Next Report Period

DRILL PLUGS TO 732 M, TRIP IN HOLE AND DRILL AHEAD

Remarks

PLUG #3 & 4 TAGGED HIGHER THAN CALCULATED SUGGESTS FRAC ATTACK WAS BEING PULLED INTO CEMENT PLUG SLURRY

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	00:30	0.50	0.50	Trip in hole	TRIP IN HOLE TO SHOE.FLOW CHECK AT 377 METERS
00:30	00:45	0.25	0.75	Rig Service	RIG SERVICE,FUNCTIONED PIPE RAMS C/O 4 SECS
00:45	01:15	0.50	1.25	Trip in hole	TRIP IN HOLE FINISH RUNNING TO 732 METERS TO RUN CEMENT PLUGS.HIT BRIDGE AT 480 METERS
01:15	02:30	1.25	2.50	Circulate And Condition	CIRCULATE HOLE CLEAN BRIDGE OFF AT 480 METERS
02:30	02:45	0.25	2.75	Trip in hole	TRIP IN HOLE RUN TO BOTTOM TO SET CEMENT PLUGS
02:45	03:15	0.50	3.25	Circulate And Condition	CIRCULATE HOLE CLEAN BRIDGED OFF AT 552M
03:15	03:30	0.25	3.50	Trip in hole	TRIP IN HOLE TO 732M
03:30	04:30	1.00	4.50	Circulate And Condition	CIRCULATE HOLE CLEAN FOR CEMENTING PLUGS
04:30	04:45	0.25	4.75	Safety meeting	SAFETY MEETING WITH SANJEL CEMENTING COMPANY
04:45	05:00	0.25	5.00	Cement plugs	CEMENT PLUGS FIRST PLUG AT 732 METERS
05:00	05:45	0.75	5.75	Trip out of hole	TRIP OUT OF HOLE TO 466M
05:45	08:00	2.25	8.00	Circulate And Condition	CIRCULATE BOTTOMS UP
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTION ANNULAR C/O 8 SECONDS
08:15	09:30	1.25	9.50	Condition mud & circulate	CIRCULATE
09:30	12:00	2.50	12.00	Ream & Clean	REAM & CLEAN
12:00	12:15	0.25	12.25	Pre-job safety	PRE-JOB SAFETY WITH CEMENTERS
12:15	13:00	0.75	13.00	Cementing	CEMENTING
13:00	14:00	1.00	14.00	Squeeze cement	SQUEEZE CEMENT
14:00	15:00	1.00	15.00	Trip out of hole	TRIP OUT OF HOLE FC@ 378m
15:00	15:15	0.25	15.25	Pre-job safety	PRE-JOB SAFETY WITH DIRCTIONAL HANDS
15:15	17:15	2.00	17.25	Trip in hole	TRIP IN HOLE ,RUN IN WITH DIRCTIONAL TOOLS TO 375m
17:15	18:00	0.75	18.00	Slip/Cut drilling line	SLIP/CUT DRILLING LINE 10m



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/31/2010

Report #: 19.0

Depth Progress: 0.00

Total AFE Amount: 1,7 8.00

AFE Number: 09N010005

Daily Cost: 37,026

Cum Cost to Date: 1,341,734

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 14.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
18:00	19:15	1.25	19.25	Lay down drill pipe	LAY DOWN DRILL PIPE.18 SINGELS
19:15	20:00	0.75	20.00	Trip in hole	TRIP IN HOLE TO FEEL TOP OF SECOND PLUG
20:00	00:00	4.00	24.00	Ream & Clean	REAM CEMENT PLUGS.BROKE CIRCULATION AT 405 METERS TO 481 METERS

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	Mud Cum To Date 59,949		
Depth (mKB) 470.00	Density (kg/m³) 1020.0	Funnel Viscosity (s/L) 30	pH 11.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
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MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number	Rod Diameter (mm)	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor		165.0			0.31

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)
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Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/30/2010

Report #: 18.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 57,583

Cum Cost to Date: 1,325,546

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 13.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,089.0	Depth End (mKB) 1,089.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather CLEAR	Temperature (°C) -22	Lease Condition
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Operation at 6am

CIRCULATING @ 466 M WHILE WOC PLUG #1

Operations Summary

DRILLED CEMENT PLUGS FROM 681 - 738 M SEVERAL TIGHT CONNECTIONS FROM 643 - 681 M. CIRCULATED HOLE CLEAN. RAN DRILL PIPE TO 744 M, TOOK WEIGHT. WASHED AND REAMED FROM 744 TO 902 M. REPAIRED MAIN HYDRAULIC PUMP ON RIG. CONTINUED TO WASH AND REAM FROM 902 TO 940 M. TOTAL LOSS OF CIRCULATION. TRIPPED OUT OF HOLE TO 522 M, HOLE SWABBING, CIRCULATED OUT FRAC ATTACK UNTIL CLEAN. RAN IN TO 528 AND BRIDGED OFF. WASHED FROM 528 TO 541 M AND CLEANED HOLE. TRIPPED OUT OF HOLE TO CASING SHOE - HOLE SWABBING. CIRCULATED AT 387 M. MINOR FRAC ATTACK CIRCULATED OUT. TRIPPED OUT AND RACKED - BACK DIRECTIONAL TOOLS. TRIPPED IN OPEN-ENDED TO RUN 3 & 4TH CEMENT PLUGS.

Operations Next Report Period

TRIP IN TO 730 M OPEN ENDED AND RUN PLUGS #3 & 4 AND DRILL OUT

Remarks

3+ M3 OF FRAC ATTACK UNLOADED FROM WELL . MINOR SURGING WHILE CIRCULATING AT 528 - 541 M & AT 387 M

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645

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 PIPE RAMS C/O 4 SECS
00:15	04:00	3.75	4.00	Drill cement/drill out cement/drill float&shoe	FINISH DRILLING CEMENT PLUGS TO 738 METERS.TIGHT ON CONNECTIONS FROM 643M TO 681M
04:00	04:30	0.50	4.50	Circulate And Condition	CIRCULATE BOTTOMS UP BEFORE RUNNING TO BOTTOM
04:30	05:00	0.50	5.00	Trip in hole	TRIP IN HOLE.RUN TO 740M. HOLE TAKING WEIGHT. FLOW CHECK AT 725M.BLOW KELLY
05:00	05:30	0.50	5.50	Ream & Clean	REAM & CLEAN.OPEN HOLE.
05:30	06:00	0.50	6.00	Trip in hole	TRIP IN HOLE.BLOW KELLY
06:00	08:00	2.00	8.00	Ream & Clean	REAM & CLEAN OPEN HOLE
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTION ANNULAR C/O 8 SECONDS
08:15	10:15	2.00	10.25	Ream & Clean	REAM & CLEAN 825m TO 902m
10:15	10:30	0.25	10.50	Safety meeting	SAFETY MEETING WITH RIG MANAGER
10:30	11:30	1.00	11.50	Rig Repair	RIG REPAIR , REPLACE MAIN HYDRAULIC PUMP
11:30	12:15	0.75	12.25	Ream & Clean	REAM & CLEAN FROM 902mTO 931m
12:15	12:30	0.25	12.50	Other	LUNCH
12:30	13:45	1.25	13.75	Ream & Clean	REAM & CLEAN FROM 931m TO 938m LOSS CIRCULATION
13:45	15:30	1.75	15.50	Trips	TRIPS, FC@938,894m PULL UP TO 522m
15:30	16:00	0.50	16.00	Condition mud & circulate	CIRCULATE @ 522m , CLEAN HOLE
16:00	20:00	4.00	20.00	Trip out of hole	TRIP OUT OF HOLE.FLOW CHECK AT 469M,377M,
20:00	20:15	0.25	20.25	Safety meeting	SAFETY MEETING WITH RIG MANAGER ABOUT WEEKLY FOCUS
20:15	22:15	2.00	22.25	Trip out of hole	TRIP OUT OF HOLE TO LAY OUT DIRECTIONAL TOOLS.FLOW CHECK AT 386M,166M,0M. FUNCTIONED BLIND RAMS WHILE ON BANK C/O 3 SECS
22:15	22:30	0.25	22.50	Safety meeting	SAFETY MEETING WITH DIRECTIONAL HANDS,TAKE OUT MWD TOOLS AND RACK MONNEL AND MOTOR IN DERRICK
22:30	00:00	1.50	24.00	Trip in hole	TRIP IN HOLE OPEN ENDED TO RUN CEMENT PLUGS.FLOW CHECK AT OM,377M,



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/30/2010

Report #: 18.0

Depth Progress: 0.00

Total AFE Amount: 1.7 6.00

AFE Number: 09N010005

Daily Cost: 57,583

Cum Cost to Date: 1,325,546

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 13.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

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 978	Mud Cum To Date 59,949		
Depth (mKB) 883.00	Density (kg/m³) 1030.0	Funnel Viscosity (s/L) 34	pH 11.5	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
SAWDUST		10.0
DD 18.93L CODE 1055		1.0
MILLZAN	522.35	1.0
MTL SHURE SHALE	195.11	2.0
SAWDUST CODE 1122	6.53	10.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number	Rod Diameter (mm)	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)

BIT SUMMARY

Bit Run 2	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 378.00	Depth Out (mKB) 1,089.00	Depth Drilled (m) 1,120.00	Drilling Time (hrs) 70.00	BHA ROP (m/hr) 16.0	IADC Bit Dull 0-1-CT-A-1-0-NO-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill Pipe	82.3	101.6	1	9.52	778.32
Drill pipe - Stands			38	722.00	768.80
DC (6.25 IN)		158.0	5	45.58	46.80
BIT SUB		161.0	1	0.91	1.22

DRILLING SUMMARY

Depth Start (mKB) 681.00	Depth End (mKB) 832.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 27	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 6.25		
Depth Start (mKB) 832.00	Depth End (mKB) 931.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 30	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 4.00		
Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor					0.31

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)		



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/30/2010

Report #: 18.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 57,583

Cum Cost to Date: 1,325,546

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 13.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

SAFETY CHECKS

Date	Type	Description

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 M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/29/2010

Report #: 17.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 70,626

Cum Cost to Date: 1,268,028

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 12.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,089.0	Depth End (mKB) 1,089.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather CLEAR	Temperature (°C) -28	Lease Condition
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Operation at 6am

WASHING TO BOTTOM AT 774m. UNABLE TO RUN STANDS

Operations Summary

PULL OUT OF PLUG TO CASING SHOE AND CIRCULATE WHILE WOC. TRIP IN AND FEEL PLUG AT 576m. CIRCULATE HOLE CLEAN. MIX, PUMP, AND SPOT 2.5 TONNE OF EXPANDO MIX WITH 2% CACL2 AND 3% LCC-1. PULL OUT OF PLUG TO CASING SHOE AND CIRCULATE BOTTOMS UP. TRIP OUT OF HOLE TO PICK UP DIRECTIONAL ASSEMBLY WHILE WOC. TRIP IN TO HOLE AND TAG CEMENT PLUG AT 526m. DRILL OUT CEMENT PLUGS FROM 526m - 681m.

Operations Next Report Period

DRILL OUT CEMENT PLUGS, TRIP IN TO 1089m, CONDITION MUD, DRILL AHEAD

Remarks

MINOR LOSSES (12m3) FROM 586m - 625m. MINOR LOSSES (5m3) FROM 705m - 727m.

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	03:00	3.00	3.00	Circulate And Condition	CIRCULATE BOTTOMS UP AFTER PUMPING FIRST CEMENT PLUG. CIRCULATE UNTIL TIME TO RUN IN AND FEEL FIRST CEMENT PLUG
03:00	04:30	1.50	4.50	Trip in hole	TRIP IN HOLE TO 566M. RUN IN TO FEEL TOP OF FIRST CEMENT PLUG. FLOW CHECK AT 377 METERS. TAGGED FIRST CEMENT PLUG AT 576 METERS
04:30	06:30	2.00	6.50	Circulate And Condition	CIRCULATE HOLE CLEAN TO FEEL FIRST CEMENT PLUG
06:30	06:45	0.25	6.75	Pre-job safety	PRE-JOB SAFETY WITH SANJEL
06:45	07:15	0.50	7.25	Cement plugs	RUN SECOND CEMENT PLUG
07:15	07:45	0.50	7.75	Trips	TRIPS, PULL OUT OF CEMENT RACK 9 STANDS IN DERRICK
07:45	08:00	0.25	8.00	Circulate And Condition	CIRCULATE
08:00	08:15	0.25	8.25	Circulate And Condition	CIRCULATE
08:15	09:00	0.75	9.00	Trips	TRIPS PULL 21 STANDS INTO DERRICK
09:00	10:45	1.75	10.75	Wait on cement	WAIT ON CEMENT
10:45	11:00	0.25	11.00	Pre-job safety	PRE-JOB SAFETY WITH DIRECTIONAL HANDS
11:00	14:30	3.50	14.50	Trips	TRIPS RUN IN WITH DIRECTIONAL TOOLS, TAG CEMENT @526m
14:30	16:00	1.50	16.00	Drill cement/drill out cement/drill float&shoe	DRILL CEMENT PLUGS FROM 526m
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE FUNCTION ANNULAR C/O 8 SECONDS
16:15	20:00	3.75	20.00	Drill cement/drill out cement/drill float&shoe	DRILL CEMENT PLUGS 623M
20:00	00:00	4.00	24.00	Drill cement/drill out cement/drill float&shoe	DRILL CEMENT PLUGS FROM 623 METERS TO 681 METERS
00:00	00:00		24.00		



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/29/2010

Report #: 17.0

Depth Progress: 0.00

Total AFE Amount: 1,780,000.00

AFE Number: 09N010005

Daily Cost: 70,626

Cum Cost to Date: 1,268,028

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 12.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

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 2,876	Mud Cum To Date 58,971	
Depth (mKB) 685.00	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 29	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
DEFOAMER XL	169.17	17.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Volumetric Efficiency (%)		

BIT SUMMARY

Bit Run 2	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 378.00	Depth Out (mKB) 1,089.00	Depth Drilled (m) 870.00	Drilling Time (hrs) 59.75	BHA ROP (m/hr) 14.6	IADC Bit Dull 0-1-CT-A-1-0-NO-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill Pipe	82.3	101.6	1	9.52	716.18
Drill pipe - Singles			1	9.49	725.67
Drill pipe - Stands			24	456.46	706.66
HWDP(4.0 IN)		102.0	6	55.79	250.20
OX		156.0	1	0.28	194.41
DC (6.25 IN)		156.0	8	72.15	194.13
JARS		166.0	1	5.51	121.98
SDC		166.0	1	4.61	116.47
DC (6.25 IN)		156.0	5	45.58	66.28
DC (6.25 IN)		158.0	5	45.58	111.86
X/O		165.0	1	0.39	20.70
BIT SUB		161.0	1	0.91	19.52
CUTTER SUB		165.0	1	0.79	20.31
FLEX NMDC		168.0	1	9.47	18.61
MP UBHO		165.0	1	0.68	9.14
MOTOR HS		168.0	1	8.15	8.46

DRILLING SUMMARY

Depth Start (mKB) 526.00	Depth End (mKB) 623.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 30	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 5.25		
Depth Start (mKB) 624.00	Depth End (mKB) 681.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 2,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 27	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 4.00		
Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor					0.31



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/29/2010

Report #: 17.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 70,626

Cum Cost to Date: 1,268,028

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 12.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

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

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 M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/28/2010

Report #: 16.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 85,718

Cum Cost to Date: 1,197,402

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 11.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,112.0	Depth End (mKB) 1,112.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather CLEAR	Temperature (°C) -23	Lease Condition	

Operation at 6am

WASHING AT TO TOP OF CEMENT PLUG #1 AT 576m.

Operations Summary

TRIP OUT OF HOLE TO PICK UP DRILL COLLARS AND JARS. TRIP IN THE HOLE TO REAM OUT FRAC ATTACK PILL. WASH AND REAM FRAC ATTACK PILL FROM 530m - 719m. DRILL WAS PACKING OFF AND HYDRAULICING. TRIP OUT OF HOLE TO 606m. ATTEMPT TO CIRCULATE. TRIP OUT TO 418m AND CIRCULATE TO CLEAN DRILLING ASSEMBLY. TRIP IN HOLE AND WASH TO BOTTOM. CIRCULATE HOLE CLEAN WITH PATIAL CIRCULATION. TRIP OUT OF HOLE TO 378m TO RUN CEMENT PLUGS. PERFORM WEEKLY ACCUMULATOR CHECK. TRIP OUT OF HOLE. TRIP IN THE HOLE WITH OPEN END DRILL PIPE TO 684m. BRIDGED AT 684m. WASH 28m TO BOTTOM AT 712m. MIX AND PUMP 7 TONNE OF EXPANDO MIX WITH 2% CACL2 AND 3% LCC-1. PULL OUT OF PLUG#1 TO 378m

Operations Next Report Period

PUMP CEMENT PLUG#2, WOC, DRILL OUT CEMENT, TRIP TO BOTTOM, CONDITION MUD

Remarks

CALCULATED CEMENT PLUG#1 HEIGHT 189m. PULLED 22daN OVER STRING WEIGHT TO START PULLING OUT OF CEMENT PLUG. RECONCILED MUD PRODUCT USAGE TODAY.

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

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	01:15	1.25	1.25	Trip out of hole	TRIP OUT OF HOLE TO MAKE UP NEW BHA
01:15	01:30	0.25	1.50	Rig Service	RIG SERVICE FUNCTIONED PIPE RAMS C/O 5 SECS, BLIND RAMS C/O 4 SEC.
01:30	03:45	2.25	3.75	Trip in hole	TRIP IN HOLE TO 530M TO WASH FRAC ATTACK PILL TO 630M.FLOW CHECK AT OM,377M.
03:45	08:00	4.25	8.00	Ream & Clean	REAM & CLEAN FROM 530M TO 660M
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTION ANNULAR C/O 8 SECONDS
08:15	09:30	1.25	9.50	Reaming	REAMING FROM 630mTO 720m
09:30	10:30	1.00	10.50	Trips	TRIPS LAY OUT SINGLES FROM 720m TO 606m
10:30	12:00	1.50	12.00	Trips	TRIPS RACK 6 STANDS IN DERRICK TRY TO BEAK CIRCULATION
12:00	12:15	0.25	12.25	Condition mud & circulate	CONDITION MUD & CIRCULATE
12:15	13:00	0.75	13.00	Trips	TRIPS, RUN IN 10 STANDS
13:00	13:15	0.25	13.25	Circulate And Condition	BREAK CIRCULATION
13:15	13:30	0.25	13.50	Condition mud & circulate	CONDITION MUD & CIRCULATE
13:30	16:30	3.00	16.50	Trips	TRIPS, LAY OUT 11 SINGLES ,RACK REST IN DERRICK CF @378m
16:30	16:45	0.25	16.75	Rig Service	RIG SERVICE FUNCTION HCR C/O 3 SECONDS
16:45	17:00	0.25	17.00	Safety inspection	SAFETY INSPECTION,ACCUMULATOR CHECK STARTING PRESSURE 16500KPA,CLOSE HYDRIL,OPEN HYDRIL, CLOSE PIPERAMS,REMAINING PRESSURE 10500KPA,RECHARGE 88 SEC., PRECHARGE 7000KPA,N2 2500PSI X 2 , FUNCTION MOTOR KILLS,
17:00	19:00	2.00	19.00	Trips	FINISH TRIP OUT.FUNCTIONED BLIND RAMS WHILE ON BANK,C/O 4 SEC.
19:00	21:00	2.00	21.00	Trips	TRIP IN HOLE TO 712 METERS TO SET FIRST CEMENT PLUG.FLOW CHECK AT SHOE 377M
21:00	22:30	1.50	22.50	Ream & Clean	REAM & CLEAN LAST 3 SINGLES TO BOTTOM FOR CEMENT PLUG.
22:30	22:45	0.25	22.75	Safety meeting	SAFETY MEETING WITH SANJEL CEMENTING.
22:45	23:15	0.50	23.25	Cement plugs	MIX AND PUMP CEMENT PLUG#1 SPOT CALCULATED 189m PLUG AT 712M.



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/28/2010

Report #: 16.0

Depth Progress: 0.00

Total AFE Amount: 1,714,300

AFE Number: 09N010005

Daily Cost: 85,718

Cum Cost to Date: 1,197,402

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 11.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
23:15	00:00	0.75	24.00	Trip out of hole	TRIP OUT OF HOLE,PULL 18 STANDS TO COME OUT OF FIRST CEMENT PLUG. FLOW CHECK AT 377M

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m ³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m ³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m ³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m ³)	Mud Lost to Hole (m ³)	Cum Mud Lost to Hole (m ³)	Daily Mud Cost 47,878		Mud Cum To Date 55,655	
Depth (mKB) 676.00	Density (kg/m ³) 1010.0	Funnel Viscosity (s/L) 30	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
ALKAPAM 1103D CODE 1007	211.93	7.0
BARITE CODE 1019	22.29	49.0
BENTONITE CODE 1023	14.69	218.0
CAL CARB 325 CODE 1038	11.36	53.0
CAL CARB O CODE 1037	11.36	5.0
CELLOFLAKES CODE 1240	72.40	2.0
DEFOAMER XL	169.17	6.0
DESCO CODE 1054	80.46	2.0
DETERGENT	62.35	5.0
ENVIROFLO CODE 1065	43.63	59.0
FRAC ATTACK	125.00	240.0
HUMALITE CODE1084	16.58	1.0
HYPER DRILL 247RD 1302	221.55	4.0
KWIKSEAL CODE 1081	34.01	5.0
MILLZAN	522.35	2.0
MTL SHURE SHALE	195.11	10.0
SAWDUST CODE 1122	6.53	214.0
TKPP CODE 1401	150.51	5.0
ULTRA PAC R	203.10	5.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
		Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor					0.31

DRILLING SUMMARY

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m ³ /min)	dP (SPP) (kPa)
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/28/2010

Report #: 16.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 85,718

Cum Cost to Date: 1,197,402

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 11.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

SAFETY CHECKS

Date	Type	Description
1/28/2010	Safety Meeting	CEMENTING PLUGS

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 M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/27/2010

Report #: 15.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 43,905

Cum Cost to Date: 1,111,185

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 10.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,112.0	Depth End (mKB) 1,112.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather CLEAR	Temperature (°C) -17	Lease Condition
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Operation at 6am

WASHING AND REAMING AT 626m WITH NO RETURNS

Operations Summary

TRIP OUT OF HOLE (SWABBING) TO REMOVE DIRECTIONAL ASSEMBLY. TRIP IN HOLE WITH SLICK ASSEMBLY AND BIT TO SPOT FRAC ATTACK PILL #4. HOLE BRIDGED AT 477m. WASHED AND REAMED FROM 477m - 600m. PULL UP TO 538m. PUMP AND SPOT 4.5m3 OF FRAC ATTACK AT PILL AT 538m. PULL OUT OF PILL TO CASING SHOE AT 377m. CIRCULATE WHILE WAITING ON FRAC ATTACK PILL. SHUT IN WELL AND SQUEEZE AWAY 1m3 AT 1300kpa. LAY DOWN 18 SINGLES. TRIP IN HOLE TO 500m. WASH AND REAM FRAC ATTACK PILL FROM 500m - 545m. CIRCULATE BOTTOMS UP AND TRIP TO CASING SHOE AT 377m. SHUT IN WELL AND SQUEEZE 0.5m3 OF FLUID AT 1000kpa - 1500kpa. TRIP IN HOLE TO 550m. WASH AND REAM FRAC ATTACK PILL FROM 545m - 630m. TOTAL LOSS OF CIRCULATION AT 630m. TRIP OUT OF HOLE. TIGHT HOLE FROM 630m - 539m

Operations Next Report Period

CLEAN OUT HOLE TO 720m, TRIP OUT TO PUMP CEMENT PLUGS

Remarks

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

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	01:30	1.50	1.50	Trips	TRIPS, POOH, FLOW CHECK @ 370,150,0m
01:30	02:00	0.50	2.00	Handle directional tools	STAND DIRECTIONAL TOOLS IN DERRICK
02:00	03:45	1.75	3.75	Trips	TRIPS,RIH, FC @ 0,370,317m
03:45	04:15	0.50	4.25	Condition mud & circulate	HIT BRIDGE AT 477m REAMED AND CIRCULATED BOTTOMS UP. OBSERVE AT SHAKER LARGE AMOUNT OF FRAC ATTACK PILL.
04:15	08:00	3.75	8.00	Reaming	WASH AND REAM TO 600m
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE.FUNCTIONED PIPE RAMS C/O 4 SECS.FUNCTIONED HCR C/O 3 SECS
08:15	08:30	0.25	8.50	Condition mud & circulate	PUMP 3.6m3 FRAC ATTACK PILL AT 538m
08:30	09:00	0.50	9.00	Trips	TRIPS.PULL 9 STANDS INTO CASING.FLOW CHECK AT 538m, 369m
09:00	11:15	2.25	11.25	Circulate And Condition	CIRCULATE IN CASING WHILE WAITING ON FRAC ATTACK PILL
11:15	11:30	0.25	11.50	Test formation	SQUEEZE ON FRAC ATTACK PILL. PUMPED 1m3 AT 1300 kpa
11:30	12:15	0.75	12.25	Circulate And Condition	CIRCULATE IN CASING TO SEE IF FRAC ATTACK PILL SET UP.BLOW 2 INCH BACK TO MOUSE HOLE
12:15	13:30	1.25	13.50	Lay down drill pipe	LAY DOWN DRILL PIPE .FLOW CHECK AT 377M,189M,
13:30	14:15	0.75	14.25	Trip in hole	TRIP IN HOLE TO 500M KELLY UP AND WASH TO 550M.FLOW CHECK AT 189M,377M,
14:15	15:45	1.50	15.75	Ream & Clean	WASH AND REAM ON FRAC ATTACK PILL.STARTED REAMING AT 455M TO 515M
15:45	16:00	0.25	16.00	Condition mud & circulate	CIRCULATE BOTTOMS UP
16:00	16:45	0.75	16.75	Trips	TRIPS PULL INTO CASING SHOE 7 STANDS
16:45	17:30	0.75	17.50	Test wellhead/tree	CLOSE ANNUULAR AND SQUEEZE ON ON FRAC ATTACK PILL. PUMPED 0.5 m3 WITH 1600 kpa
17:30	18:00	0.50	18.00	Trips	TRIPS ,RUN 7 STANDS BACK IN HOLE



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/27/2010

Report #: 15.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 43,905

Cum Cost to Date: 1,111,185

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 10.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
18:00	18:15	0.25	18.25	Drills/BOP, etc.	DRILLS/BOP, WELL SECURE IN 67 SECONDS
18:15	20:00	1.75	20.00	Ream & open hole	REAM - OPEN HOLE FROM 525M TO 600m
20:00	23:30	3.50	23.50	Ream & Clean	REAM & CLEAN, TOTAL LOSS OF CIRCULATION @ 630 m
23:30	00:00	0.50	24.00	Trips	WORK TIGHT HOLE FROM 630m TO 539m, PULL REST OUT OF 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/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 10,379	Mud Cum To Date 40,782		
Depth (mKB) 551.00	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 31	pH 8.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
CAUSTIC SODA BEADS	44.63	1.0
BARITE CODE 1019	22.29	15.0
FRAC ATTACK	125.00	80.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 1	Rod Diameter (mm) 152.0	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor					0.31

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

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)



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/27/2010

Report #: 15.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 43,905

Cum Cost to Date: 1,111,185

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 10.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

FORMATIONS

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

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/26/2010

Report #: 14.0

Depth Progress: 0.00

Total AFE Amount: 1,718,800

AFE Number: 09N010005

Daily Cost: 57,446

Cum Cost to Date: 1,067,280

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 9.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,112.0	Depth End (mKB) 1,112.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather CLEAR	Temperature (°C) -23	Lease Condition
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Operation at 6am

WASHING TO 600m TO CLEAN HOLE PRIOR TO SPOT PILL

Operations Summary

PUMP AND SPOT 2.3m3 FRAC ATTACK PILL #2 AT 628m. PULL OUT OF PILL TO 475m AND CIRCULATE BOTTOMS UP. RUN IN TO 554m. PUMP AND SPOT 3.1m3 FRAC ATTACK PILL #3 AT 554m. PULL OUT OF PILL TO 354m AND CIRCULATE BOTTOMS UP. SQUEEZE FRAC ATTACK PILLS WITH 1m3 OF FRESH WATER USING PRESSURE OF 1000kpa - 1500kpa. CIRCULATE. SQUEEZE FRAC ATTACK PILLS WITH 0.25m3 FRESH WATER USING PRESSURE OF 2000kpa. CIRC AND REPEAT SQUEEZE USING 0.25m3 FRESH WATER USING PRESSURE OF 2000kpa. TRIP OUT OF HOLE FOR DIRECTIONAL TOOLS. TRIP IN HOLE WITH DIRECTIONAL TOOLS TO 377m. SLIP AND CUT. WASH AND REAM FRAC ATTACK PILLS FROM 490m - 623m. ENCOUNTERED TOTAL LOSSES AT 613m. TRIP OUT OF HOLE TO REMOVE MOTOR AND MWD. MIX FRAC ATTACK PILL #4

Operations Next Report Period

SPOT AND SQUEEZE FRAC ATTACK PILL, DRILL OUT, TRIP OUT FOR MOTOR. TRIP IN. DRILL AHEAD

Remarks

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

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	01:15	1.25	1.25	Condition mud & circulate	PUMP FRAC ATTACK PILL # 2 @ 628M PULL UP TO 475M CIRCULATE
01:15	02:30	1.25	2.50	Condition mud & circulate	PUMP FRAC ATTACK PILL # 3 @ 554M PULL UP TO 354M CIRCULATE
02:30	03:30	1.00	3.50	Condition mud & circulate	SQUEEZE FRAC ATTACK PILLS WITH ONE CUBE FRESH WATER, PRESSURES BETWEEN 1000 AND 1500 KPA
03:30	04:00	0.50	4.00	Condition mud & circulate	CIRCULATE AT 352M
04:00	04:15	0.25	4.25	Condition mud & circulate	SQUEEZE # 2 OF FRAC ATTACK PILL WITH .25 CUBE FRESH WATER, PRESSURE AT 2000 KPA
04:15	04:45	0.50	4.75	Condition mud & circulate	CIRCULATE AT 352M
04:45	05:00	0.25	5.00	Condition mud & circulate	SQUEEZE # 3 , PRESSURE TO 2000 KPA
05:00	06:15	1.25	6.25	Trips	TRIPS, POOH, FC @ 352,334,0M FUNCTIONED BLIND RAMS WHILE OUT OF HOLE
06:15	08:00	1.75	8.00	Trips	TRIPS, MAKE UP DIRECTIONAL TOOLS AND RUN IN.FLOW CHECK AT 0M,377M,
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTIONED PIPE RAMS C/O 5 SECS, HCR C/O 3 SEC.
08:15	08:30	0.25	8.50	Safety meeting	SAFETY MEETING WITH DEPARTURE ENERGY SERVICES
08:30	11:30	3.00	11.50	Trips	UNPLUG MONNEL AND UBHO SUB FROM LCM MATERIAL.MAKE UP TOOLS AND RESET MOTOR.INSTALL MWD TOOL AND ORIENTATE.RUN IN BHA AND 9 STANDS OF DRILL PIPE TO THE SHOE.FLOW CHECK 0M,377,
11:30	11:45	0.25	11.75	Drills/BOP, etc.	BOP DRILL WHILE TRIPPING.MACP IS 3088 KPA.WELL SECURE IN 68 SECS
11:45	12:30	0.75	12.50	Slip/Cut drilling line	SLIP/CUT DRILLING LINE
12:30	12:45	0.25	12.75	Safety meeting	SAFETY MEETING WITH RIG MANAGER.



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/26/2010

Report #: 14.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 57,446

Cum Cost to Date: 1,067,280

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 9.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
12:45	16:00	3.25	16.00	Trips	RUN IN 2 STANDS OF PIPE TO TEST MWD TOOLS.RAN 16 STANDS TO 506M.LAY OUT 12 SINGLES KELLY UP TO FLUSH TOOLS.LAY DOWN 8 MORE SINGLES.RUN IN 10 STANDS TO 506M
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE FUNCTIONED ANNULAR PREVENTER C/O 8 SECS
16:15	20:00	3.75	20.00	Ream & Clean	WASH AND REAM THROUGH FRAC ATTACK PILLS.TOP OF FIRST PILL WAS AT 490M.REAM TO 594M
20:00	21:00	1.00	21.00	Reaming	REAMING FRAC ATTACK PILLS FROM 594 -623M. TOTAL LOSSES AT 613M
21:00	21:45	0.75	21.75	Condition mud & circulate	HOLE TAKING FLUID,CIRCULATE AT REDUCED PUMP SPEED, WAIT IN FRAC ATTACK PRODUCT
21:45	00:00	2.25	24.00	Trips	TRIPS, POOH, FC @ 634,602,370M

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 20,838		Mud Cum To Date 30,403
Depth (mKB) 612.00	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 31	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
DEFOAMER XL	169.17	1.0
BARITE CODE 1019	22.29	30.0
FRAC ATTACK	125.00	160.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 1	Rod Diameter (mm) 152.0	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)

BIT SUMMARY

Bit Run 2	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 378.00	Depth Out (mKB) 1,112.00	Depth Drilled (m) 739.00	Drilling Time (hrs) 50.50	BHA ROP (m/hr) 14.6	IADC Bit Dull 0-1-CT-A-1-0-NO-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill Pipe	82.3	101.6	1	9.52	1,133.90
Drill pipe - Stands			46	874.18	1,124.38
HWD(4.5 IN)		133.0	6	55.79	250.20
X/O		163.0	1	0.28	194.41
156MM DC	58.0	156.0	8	72.15	194.13
166MM JAR	60.0	166.0	1	5.51	121.98
166MM SHORT DC	64.0	166.0	1	4.61	116.47
DC (6.25 IN)		158.0	5	45.58	66.28
156MM DC	58.0	156.0	5	45.58	111.86
CROSSER SUB	74.0	165.0	1	0.39	20.70
BIT SUB		161.0	1	0.91	19.52
CUTTER SUB	83.0	165.0	1	0.79	20.31



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/26/2010

Report #: 14.0

Depth Progress: 0.00

Total AFE Amount: 1,785,336.00

AFE Number: 09N010005

Daily Cost: 57,446

Cum Cost to Date: 1,067,280

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 9.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
FLEX NMDC	83.0	168.0	1	9.47	18.61
MP UBHO	65.0	165.0	1	0.68	9.14
MOTOR 165MM		168.0	1	8.15	8.46

DRILLING SUMMARY

Depth Start (mKB) 1,089.00	Depth End (mKB) 1,089.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 1,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 27	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs) 3.75		

BIT SUMMARY

Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor					0.31

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
1/27/2010	BOP Drill	Crew change BOP Drill. Well secure 67 sec

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 M-74
Business Unit: NE BC & NWT COU
Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/25/2010
Report #: 13.0
Depth Progress: 86.00
Total AFE Amount: 1,789,656.00
AFE Number: 09N010005
Daily Cost: 54,156
Cum Cost to Date: 1,009,834

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 8.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,026.0	Depth End (mKB) 1,112.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather CLEAR	Temperature (°C) -31	Lease Condition	

Operation at 6am

TRIP OUT WITH OPEN END PIPE PIPE

Operations Summary

DIRECTIONAL DRILL FROM 1026m - 1089m. SEVERE TO TOTAL LOSSES FROM 1075m. TRIP OUT OF HOLE TO ADDRESS LOSSES. TIGHT HOLE FROM 692m - 549m. UNABLE TO KEEP HOLE FULL. REMOVE MWD AND CLEAN OUT LCM PLUG. CLEAN AND DRAIN MOTOR. PREPARE MUD TANKS TO MIX FRAC ATTACK PILL. TRIP IN HOLE OPEN END TO 703m AND ATTEMPT TO CIRCULATE. COULD NOT ESTABLISH CIRCULATION. MIX WEIGHTED FRAC ATTACK PILL IN SUCTION TANK. PUMP AND SPOT 2.3m3 FRAC ATTACK PILL AT 703m. PULL OUT OF PILL TO 548m AND CIRCULATE BOTTOMS UP.

Operations Next Report Period

RUN FRAC ATTACK PILLS THROUGH LOSS ZONE. SQUEEZE PILL FROM CASING SHOE. DRILL OUT FRAC ATTACK PILLS. DIRECTIONALLY DRILL

Remarks

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	02:15	2.25	2.25	Drill	DIRECTIONAL DRILL 200mm HOLE FROM 1026 - 1051M
02:15	02:30	0.25	2.50	Rig Service	RIG SERVICE, FUNCTIONED PIPE RAMS C/O 5 SECONDS
02:30	07:15	4.75	7.25	Drill	DIRECTIONAL DRILL 200mm HOLE FROM 1051 - 1089M. TOTAL LOSSES FROM 1079M
07:15	08:00	0.75	8.00	Directional surveys	DIRECTIONAL SURVEYS (ACCUMULATIVE)
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTIONED ANNULAR PREVENTER C/O 8 SECS
08:15	14:00	5.75	14.00	Trips	TRIP OUT OF HOLE. BLOW KELLY AND WINTERRIZE RIG FLOW CHECK AT 1077M, 1034, 544M, 166M, 0M. TIGHT HOLE AT 692M, 612M, 566M, AND 549M, ATFUNCTIONED BLIND RAMS WHILE ON BANK
14:00	14:15	0.25	14.25	Safety meeting	SAFETY MEETING WITH DEPARTURE ENERGY SERVICES
14:15	15:00	0.75	15.00	Handle directional tools	HANDLE DIRECTIONAL TOOLS. LAYING OUT OR RACKING BACK MOTOR AND MONNEL. PULL MWD TOOL AND CHECK MOTOR FOR BEING PLUGGED WITH LCM MATERIAL
15:00	15:15	0.25	15.25	Rig Service	RIG SERVICE FUNCTIONED PIPE RAMS C/O 5 SECS
15:15	17:15	2.00	17.25	Other	CLEAN RIG FLOOR AND GET EQUIPMENT READY TO RUN IN TO SPOT FRAC ATTACK. WINTERRIZE TRIP TANK
17:15	19:15	2.00	19.25	TRIPS	RUN IN HOLE TO THIEF ZONE AT 700M. FLOW CHECK AT 0M, 377M, 702M
19:15	22:45	3.50	22.75	Other	MIX 180 BAGS FRAC ATTACK PRODUCT AND BARITE
22:45	00:00	1.25	24.00	Condition mud & circulate	PUMP FRAC PILL AT 700M, PULL UP TO 548M

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 2,143	Mud Cum To Date 9,339		
Depth (mKB) 27.79	Density (kg/m³) 1010.0	Funnel Viscosity (s/L) 29	pH 8.5	PV Override (cp)	YP Override (Pa)	



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/25/2010

Report #: 13.0

Depth Progress: 86.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 54,156

Cum Cost to Date: 1,009,834

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 8.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
CAUSTIC SODA BEADS	44.63	1.0
MILLZAN	522.35	1.0
CAL CARB O CODE 1037	11.36	2.0
DEFOAMER XL	169.17	3.0
CAL CARB 325 CODE 1038	11.36	20.0
GEL		78.0
SAWDUST CODE 1122	6.53	90.0
CELLOFLAKES CODE 1240		2.0
KWIKSEAL CODE 1081	34.01	2.0
SAWDUST CODE 1122	6.53	25.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number 1	Rod Diameter (mm) 152.0	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 378.00	Depth Out (mKB) 1,112.00	Depth Drilled (m) 739.00	Drilling Time (hrs) 46.75	BHA ROP (m/hr) 15.8	IADC Bit Dull 0-1-CT-A-1-0-NO-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill Pipe	82.3	101.6	1	9.52	1,088.32
Drill pipe - Stands			46	874.18	1,078.80
HWDP(4.5 IN)		133.0	6	55.79	204.62
X/O		163.0	1	0.28	148.83
156MM DC	58.0	156.0	8	72.15	148.55
166MM JAR	60.0	166.0	1	5.51	76.40
166MM SHORT DC	64.0	166.0	1	4.61	70.89
DC (6.25 IN)		158.0	5	45.58	66.28
CROSSER SUB	74.0	165.0	1	0.39	20.70
BIT SUB		161.0	1	0.91	19.52
CUTTER SUB	83.0	165.0	1	0.79	20.31
FLEX NMDC	83.0	168.0	1	9.47	18.61
MP UBHO	65.0	165.0	1	0.68	9.14
MOTOR 165MM		168.0	1	8.15	8.46

DRILLING SUMMARY

Depth Start (mKB) 1,026.00	Depth End (mKB) 1,112.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 16	Motor RPM (rpm)	Bit RPM (rpm) 16	Slack-Off Hook Load (daN)	Drilling Time (hrs) 7.00		
Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor					0.31



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/25/2010

Report #: 13.0

Depth Progress: 86.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 54,156

Cum Cost to Date: 1,009,834

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 8.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

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

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 M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/24/2010

Report #: 12.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 46,056

Cum Cost to Date: 955,677

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 7.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 1,026.0	Depth End (mKB) 1,026.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather OVERCAST	Temperature (°C) -27	Lease Condition	

Operation at 6am

DIRECTIONAL DRILLING WITH TO 1089m. SEVERE LOSSES

Operations Summary

CIRCULATE AND WAIT ON DIRECTIONAL TOOLS. POOH TO PICK UP DIRECTIONAL ASSEMBLY. ENCOUNTERED SOME TIGHT SPOTS (12 daN OVERPULL) THROUGH THE LOSS ZONE BETWEEN 700m AND 550m. FLOW CHECK WELL AND OBSERVE SEVERE LOSSES. MIX LCM AND CONTROL LOSSES AT CONTROL LOSSES. TOTAL LOSSES OF 28m3. POOH AND CHANGE BHA TO DIRECTIONAL ASSEMBLY. RIH WITH DIRECTIONAL ASSEMBLY AND TAKE SURVEY CHECK SHOTS EVERY 120m TO CONFIRM ANGLE AND DIRECTION. ESTABLISH CORRECTION PLAN AND DIRECTIONAL DRILL FROM 1026m - 1027. LOST CIRCULATION. MIXED LCM AND ESTABLISHED CIRCULATION (TOTAL LOSSES 25m3). CIRCULATE TO BUILD VOLUME AND CONDITION MUD AT 1027m

Operations Next Report Period

MIX LCM TO CONTROL LOSSES. POOH TO REPAIR LOSSES

Remarks

DIRECTIONAL SURVEYS FROM 389m - 987m. SURVEY AT 987m INC - 7.6 AZM - 40.8.

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

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

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, FUNCTIONED ANNULAR PREVENTER C/O 8 SECONDS
00:15	01:45	1.50	1.75	Circulate And Condition	CIRCULATE AND CONDITION WHILE WAITING ON DIRECTIONAL PERSONEL
01:45	05:45	4.00	5.75	Trips	TRIPS, POOH, FLOW CHECK @ 1026,974,830,745,500M COULD NOT KEEP HOLE FULL AT 500M FLOW CHECK, RAN IN TO 600M
05:45	08:00	2.25	8.00	Condition mud & circulate	CONDITION MUD & CIRCULATE, ADD SAWDUST AND CAL.CARB
08:00	09:45	1.75	9.75	Condition mud & circulate	CONDITION MUD & CIRCULATE.BUILD LCM PILL.SPOT ON TOP OF THIEF ZONE.BLOW KELLY AND WINTERRIZE RIG
09:45	12:30	2.75	12.50	Trip out of hole	TRIP OUT OF HOLE TO PICK UP DIRECTIONAL TOOLS.FLOW CHECK AT 539M,150M,0M. FUNCTIONED BLIND RAMS WHILE OUT OF HOLE
12:30	12:45	0.25	12.75	Safety meeting	SAFETY MEETING WITH DEPARTURE ENERGY SERVICES
12:45	14:45	2.00	14.75	Handle directional tools	HANDLE DIRECTIONAL TOOLS.PICK UP AND MAKE TOOLS UP
14:45	16:15	1.50	16.25	Trip in hole	TRIP IN HOLE WITH DIRECTIONAL TOOLS,BHA AND 9 STANDS OF DRILL PIPE TO TEST MWD TOOLS FLOW CHECK AT 373M
16:15	16:30	0.25	16.50	Rig Service	RIG SERVICE FUNCTIONED PIPE RAMS C/O 5 SECS
16:30	17:00	0.50	17.00	Directional surveys	DIRECTIONAL SURVEYS KELLY UP AND PUMP MWD TOOLS FOR SURVEY
17:00	20:00	3.00	20.00	Trip in hole	TRIP IN HOLE.RUN 10 STANDS AND KELLY UP FOR SURVEY EVERY 6 STANDS
20:00	21:45	1.75	21.75	Condition mud & circulate	WASH TO BOTTOM FROM 1004M TO 1026M
21:45	22:30	0.75	22.50	Drill	DIRECTIONAL DRILL 200MM HOLE FROM 1026 -1027M
22:30	00:00	1.50	24.00	Condition mud & circulate	LOSS CIRCULATION PICK UP AND CONDITION MUD & BUILD VOLUME



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/24/2010

Report #: 12.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 46,056

Cum Cost to Date: 955,677

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 7.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

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 7,196
Depth (mKB) 1,026.00	Density (kg/m³) 1040.0	Funnel Viscosity (s/L) 45	pH 10.5	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
SAWDUST		10.0
BENTONNITE CODE 1023		20.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa) 3,800	Slow Speed Check? Yes	Strokes (spm) 69
Pump Number 1	Rod Diameter (mm) 152.0	Pump Rating (kW) 800.0
Pressure (kPa) 3,700	Slow Speed Check? Yes	Strokes (spm) 69

BIT SUMMARY

Bit Run 2	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 378.00	Depth Out (mKB) 1,112.00	Depth Drilled (m) 739.00	Drilling Time (hrs) 46.75	BHA ROP (m/hr) 15.8	IADC Bit Dull 0-1-CT-A-1-0-NO-...

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill Pipe	82.3	101.6	1	9.52	1,088.32
Drill pipe - Stands			46	874.18	1,078.80
HWDP(4.5 IN)		133.0	6	55.79	204.62
X/O		163.0	1	0.28	148.83
156MM DC	58.0	156.0	8	72.15	148.55
166MM JAR	60.0	166.0	1	5.51	76.40
166MM SHORT DC	64.0	166.0	1	4.61	70.89
DC (6.25 IN)		158.0	5	45.58	66.28
CROSSER SUB	74.0	165.0	1	0.39	20.70
BIT SUB		161.0	1	0.91	19.52
CUTTER SUB	83.0	165.0	1	0.79	20.31
FLEX NMDC	83.0	168.0	1	9.47	18.61
MP UBHO	65.0	165.0	1	0.68	9.14
MOTOR 165MM		168.0	1	8.15	8.46

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)		
Bit Run 2A	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs) 0.00	BHA ROP (m/hr)	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Mud Motor					0.31



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/24/2010

Report #: 12.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 46,056

Cum Cost to Date: 955,677

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 7.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

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

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)
1/25/2010	1,026.41	5.50	41.80	1,024.62	47.76	6.63	47.76	1.73
1/25/2010	1,035.93	4.20	43.30	1,034.11	48.35	7.17	48.35	4.12
1/25/2010	1,045.41	2.60	48.90	1,043.57	48.75	7.57	48.75	5.17
1/25/2010	1,054.90	1.90	65.80	1,053.05	48.95	7.88	48.95	3.03
1/25/2010	1,064.39	1.80	79.50	1,062.54	49.04	8.17	49.04	1.43

FORMATIONS

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



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/23/2010

Report #: 11.0

Depth Progress: 105.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 63,159

Cum Cost to Date: 909,621

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 6.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 926.0	Depth End (mKB) 1,026.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather OVERCAST	Temperature (°C) -20	Lease Condition	

Operation at 6am

CIRC AT A REDUCED RATE AND MIXING LCM AT 597m

Operations Summary

DRILL FROM 926m - 959m. RUN SINGLE SHOT SURVEY TO VERIFY TELEDRIFT. SINGLE SHOT SURVEY WAS ABOUT 8 DEGREES. DRILL FROM 959m - 1026m AT MAXIMUM DRILLING RATE OF 5m/hr. LAST SURVEY WAS 6.75 DEGREES AT 1007m. CIRCULATE AND CONDITION HOLE WHILE WAITING ON DIRECTIONAL TOOLS AND PERSONNEL

Operations Next Report Period

POOH FOR DIRECTIONAL TOOLS, CONTROL LOSSES AT 620m, DIRECTIONAL DRILL

Remarks

MOBILIZED DIRECTIONAL PERSONNEL AND TOOLS FOR A COMPLETE WELLBORE SURVEY AND CORRECTION RUN.

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

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082

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, FUNCTIONED PIPE RAMS C/O 5 SECONDS
00:15	02:30	2.25	2.50	Drill	DRILL 200mm HOLE FROM 926 - 959M
02:30	03:00	0.50	3.00	Deviation survey	DEVIATION SURVEY WIRE LINED TO VERIFY TELEDRIFT
03:00	03:45	0.75	3.75	W/O Orders	W/O ORDERS
03:45	07:30	3.75	7.50	Drill	DRILL 200mm HOLE AT REDUCED ROP FROM 959 - 975
07:30	08:00	0.50	8.00	Condition mud & circulate	CIRCULATE HOLE CLEAN
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTIONED ANNULAR PREVENTER C/O 8 SECS
08:15	08:45	0.50	8.75	Condition mud & circulate	CONDITION MUD & CIRCULATE.WAIT ON ORDERS TO START DRILLING
08:45	09:45	1.00	9.75	Drill	DRILL 200MM HOLE WITH REDUCED ROP FROM 975M TO 978M
09:45	10:00	0.25	10.00	Condition mud & circulate	CIRCULATE FOR 15 MINS.CLEAN HOLE PRIOR TO SINGLE SHOT SURVEY
10:00	10:30	0.50	10.50	Wireline Surveys - Single shot surveys	SINGLE SHOT SURVEY AT 963 METERS.(WIRELINE) DEV. 8 DEGREES
10:30	17:30	7.00	17.50	Drill	DRILL 200MM HOLE WITH REDUCED ROP FROM 978M TO 1007M
17:30	17:45	0.25	17.75	Rig Service	RIG SERVICE FUNCTIONED PIPE RAMS C/O 5 SECS
17:45	18:00	0.25	18.00	Condition mud & circulate	CIRCULATE BOTTOMS UP FOR SURVEY
18:00	18:30	0.50	18.50	Deviation survey	DEVIATION SURVEY (WIRELINE) AT 991 METERS DEV. 8 DEG
18:30	20:00	1.50	20.00	Drill	DRILL 200MM HOLE WITH REDUCED ROP FROM 1007M TO 1014M
20:00	22:30	2.50	22.50	Drill	DRILL 200mm HOLE FROM 1014 -1026M
22:30	23:00	0.50	23.00	Condition mud & circulate	CIRCULATE HOLE CLEAN FOR WIRE LINE SURVEY
23:00	23:15	0.25	23.25	Deviation survey	WIRE LINE SURVEY @ 1007M DEV. 6.75 DEG
23:15	00:00	0.75	24.00	Condition mud & circulate	CONDITION MUD & CIRCULATE



Daily Drilling
Well Name: PARA ET AL CAMERON M-74
Business Unit: NE BC & NWT COU
Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/23/2010
Report #: 11.0
Depth Progress: 105.00
Total AFE Amount: 1,789,656.00
AFE Number: 09N010005
Daily Cost: 63,159
Cum Cost to Date: 909,621

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 6.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

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 1,182		Mud Cum To Date 7,196	
Depth (mKB) 1,026.00	Density (kg/m³) 1050.0	Funnel Viscosity (s/L) 58	pH 11.5	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
ULTRA PAC R	203.10	1.0
HUMALITE CODE1084	16.58	2.0
SAWDUST CODE 1122	6.53	15.0
BENTONITE CODE 1023		40.0
SODA ASH CODE 1169	21.19	2.0
CAUSTIC SODA BEADS	44.63	3.0
ULTRA PAC CODE 1401		4.0
HUMALITE CODE1084	16.58	9.0
BENTONITE CODE 1023		35.0
MILLZAN	522.35	1.0

MUD PUMPS			
Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)	Volumetric Efficiency (%)
Pump Number 1	Rod Diameter (mm) 152.0	Pump Rating (kW) 800.0	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)	Volumetric Efficiency (%)

BIT SUMMARY						
Bit Run 2	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10.3...	Depth In (mKB) 378.00	Depth Out (mKB) 1,112.00	Depth Drilled (m) 739.00	Drilling Time (hrs) 46.75	BHA ROP (m/hr) 15.8	IADC Bit Dull 0-1-CT-A-1-0-NO-...

DRILL STRING COMPONENTS						
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)	
Drill Pipe	82.3	101.6	1	9.52	1,088.32	
Drill pipe - Stands			46	874.18	1,078.80	
HWDP(4.5 IN)		133.0	6	55.79	204.62	
X/O		163.0	1	0.28	148.83	
156MM DC	58.0	156.0	8	72.15	148.55	
166MM JAR	60.0	166.0	1	5.51	76.40	
166MM SHORT DC	64.0	166.0	1	4.61	70.89	
DC (6.25 IN)		158.0	5	45.58	66.28	
CROSSER SUB	74.0	165.0	1	0.39	20.70	
BIT SUB		161.0	1	0.91	19.52	
CUTTER SUB	83.0	165.0	1	0.79	20.31	
FLEX NMDC	83.0	168.0	1	9.47	18.61	
MP UBHO	65.0	165.0	1	0.68	9.14	
MOTOR 165MM		168.0	1	8.15	8.46	



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/23/2010

Report #: 11.0

Depth Progress: 105.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 63,159

Cum Cost to Date: 909,621

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 6.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

DRILLING SUMMARY

Depth Start (mKB) 926.00	Depth End (mKB) 980.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN)	Drilling Time (hrs) 6.00		
Depth Start (mKB) 975.00	Depth End (mKB) 1,014.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	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) 9.50		
Depth Start (mKB) 1,014.00	Depth End (mKB) 1,026.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	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) 2.50		

SAFETY CHECKS

Date	Type	Description

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)
1/23/2010	943.00	8.00	0.00	941.87	38.24	3.54	38.24	3.49
1/23/2010	963.00	8.00	0.00	961.68	41.02	3.54	41.02	0.00
1/23/2010	991.00	8.00	0.00	989.44	44.37	4.75	44.37	40.77

FORMATIONS

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



Daily Drilling
Well Name: PARA ET AL CAMERON M-74
Business Unit: NE BC & NWT COU
Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/22/2010
Report #: 10.0
Depth Progress: 74.00
Total AFE Amount: 1,789,656.00
AFE Number: 09N010005
Daily Cost: 44,670
Cum Cost to Date: 846,462

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 5.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations				
Depth Start (mKB)		Depth End (mKB)	Target Formation	Target Depth (mKB)
852.0		926.0	Sulphur Point	1,465.00
Weather		Temperature (°C)	Lease Condition	
OVERCAST WITH LIGHT SNOW		-15		
Operation at 6am				
DRILLING AHEAD TO 969M AT 5m / hr				
Operations Summary				
DRILL FROM 523m - 557m. ENCOUNTERED LOSSES AT 557m. DRILL FROM 557m - 660m WITH LOSSES OF 10m3 - 30m3 / HR. DRILLED FROM 660m - 710m WITH LOSSES OF 30m3 - TOTAL LOSSES. DRILLED FROM 710m - 726m WITH LOSSES 5m3 - 15m3 /HR. DRILLED FROM 726m - 926m WITH NO LOSSES. STARTED MUD UP OPERATIONS AT 900m				
Operations Next Report Period				
COMPLETE MUD UP OPERATION WHILE DRILLING AHEAD				
Remarks				
MOBILIZED AN ADDITIONAL 3 WATER TRUCKS FROM CONSTRUCTION TO HAUL WATER WHILE ENCOUNTERING LOSSES AND DRILLING BLIND. TOTAL LOSS OF FLUID DOWNHOLE - 220m3				
Avg Connection Gas (Units)		Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)

DAILY CONTACTS			
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082	
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645	

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 PREVENTER C/O 8 SECONDS
00:15	07:15	7.00	7.25	Drill	DRILL 200mm HOLE FROM 532 - 656M
07:15	08:00	0.75	8.00	Deviation survey	DEVIATION SURVEY (ACCUMULATIVE)
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE FUNCTIONED PIPE RAMS C/O 4 SECS
08:15	16:00	7.75	16.00	Drill	DRILL 200MM HOLE FROM 656 METERS TO 789 METERS
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE FUNCTIONED ANNULAR PREVENTER C/O 8 SECS
16:15	19:30	3.25	19.50	Drill	DRILL 200MM HOLE FROM 789M TO 852M
19:30	20:00	0.50	20.00	Deviation survey	DEVIATION SURVEY ((ACCUMULATED)
20:00	23:45	3.75	23.75	Drill	DRILL 200mm HOLE FROM 852 - 926M
23:45	00:00	0.25	24.00	Deviation survey	DEVIATION SURVEY (ACCUMULATIVE)

MUD CHECKS						
Low Gravity Solids (%)	MBT (kg/m³)	Oil Water Ratio	Chlorides (mg/L) 120	Calcium (mg/L) 369	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 294	Mud Cum To Date 4,184	
Depth (mKB) 900.00	Density (kg/m³) 1000.0	Funnel Viscosity (s/L) 28	pH 9.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
ALKAPAM 1103D CODE 1007		1.0
ENVIROFLO CODE 1065		10.0
SAWDUST CODE 1122	6.53	45.0
ENVIROFLO CODE 1065		18.0
SAWDUST		25.0
ENVIROFLOC CODE 1065		2.0
SODA ASH CODE 1169		4.0



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/22/2010

Report #: 10.0

Depth Progress: 74.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 44,670

Cum Cost to Date: 846,462

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 5.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 139.7	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Volumetric Efficiency (%)		

BIT SUMMARY

Bit Run 2	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm) 10.3/10.3/10.3/10....	Depth In (mKB) 852.00	Depth Out (mKB) 926.00	Depth Drilled (m) 74.00	Drilling Time (hrs) 3.75	BHA ROP (m/hr) 19.7	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill Pipe	82.3	101.6	1	9.52	919.31
Drill pipe - Stands	82.3	101.6	38	722.18	909.79
HWDP	69.8	101.6	6	55.79	187.61
XO Sub		163.0	1	0.28	131.82
Drill Collar	57.1	158.7	8	72.15	131.54
JARS-HYD		166.0	1	5.51	59.39
SHORT DC		166.0	1	4.61	53.88
DC (6.25 IN)		158.0	5	45.58	49.27
TELEDRIFT		154.0	1	2.47	3.69
BIT SUB		161.0	1	0.91	1.22

DRILLING SUMMARY

Depth Start (mKB) 852.00	Depth End (mKB) 926.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN) 35	Drilling Time (hrs) 3.75		

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)
1/22/2010	628.00	3.00	0.00	627.65	18.15	0.00	18.15	0.00
1/22/2010	703.00	3.50	0.00	702.53	22.41	0.00	22.41	0.20
1/22/2010	806.00	3.00	0.00	805.36	28.25	0.00	28.25	0.15
1/22/2010	900.00	3.00	0.00	899.23	33.17	0.00	33.17	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 M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/21/2010

Report #: 9.0

Depth Progress: 154.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 28,901

Cum Cost to Date: 801,792

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 4.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations			
Depth Start (mKB) 378.0	Depth End (mKB) 532.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00

Weather OVERCAST	Temperature (°C) -12	Lease Condition
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Operation at 6am

DRILLING TO 627m AT 20m/hr WITH 25% - 100% LOSSES

Operations Summary

COMPLETE BOP TEST 1500kpa LOW AND 14000kpa HIGH TEST, RIH TO 356M AND DRILL CEMENT AND FLOAT COLLAR AT 363m. HELD BOP DRILL. DRILL OUT FLOAT AT 377m. DRILL FROM 378m - 413m. POOH INTO CASING AT 363. CHANGE CHOKE LINE DIRECTIONAL BLOCKS. PRESSURE TEST CHOKE LINE TO 1500kpa LOW AND 14000kpa HIGH. RIH TO BOTTOM AT 413m. DRILL FROM 413m - 475m. HELD BOP DRILL WITH NIGHT SHIFT. DRILL FROM 475m - 523m

Operations Next Report Period

DRILL AHEAD WITH LOSSES

Remarks

LOST TIME - 0.25hr TRANSMISSION REPAIR, 2.5hr CHANGE BLOCKS ON CHOKE LINE, 0.25hr CHANGE SWIVEL WASHPIPE PACKING. HELD H2S SCBA PACK DONNING DRILLS WITH ALL PERSONNEL ON LOCATION.

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 403-451-7082
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-860-2645

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	03:30	3.50	3.50	Test BOP	TEST BOP, TEST PIPE RAMS, ANNULAR PREVENTER, 1500KPA LOW, 14000KPA HIGH AS PER NEB REGULATIONS,
03:30	05:15	1.75	5.25	Trips	TRIPS, RIH
05:15	05:30	0.25	5.50	Drills/BOP, etc.	DRILLS/BOP, WELL SECURE 65 SECONDS
05:30	08:00	2.50	8.00	Drill cement/drill out cement/drill float&shoe	DRILL CEMENT/DRILL OUT CEMENT/DRILL FLOAT&SHOE
08:00	10:30	2.50	10.50	Drill cement/drill out cement/drill float&shoe	DRILL CEMENT/DRILL OUT CEMENT/DRILL FLOAT&SHOE
10:30	11:00	0.50	11.00	Drills/BOP, etc.	DRILLS/BOP, ETC. WELL SECURE IN 68 SECS. SAFTY MEETING WITH RAIMS INT. PARAMONT RESOURCES, ALL PERSONNEL
11:00	11:15	0.25	11.25	Rig Service	RIG SERVICE FUNCTIONED PIPE RAMS C/O 4 SECS
11:15	13:15	2.00	13.25	Drill	DRILL 200MM HOLE FROM 378 METERS TO 408 METERS
13:15	13:30	0.25	13.50	Rig Repair	RIG REPAIR. CHANGE OIL LINE ON TRANNY.
13:30	13:45	0.25	13.75	Drill	DRILL 200MM HOLE FROM 408 METERS TO 413 METERS
13:45	14:00	0.25	14.00	Condition mud & circulate	CIRCULATE BOTTOMS UP. PULL UP INTO CASING
14:00	14:30	0.50	14.50	Trip out of hole	PULL UP INTO CASING. SWITCH BLOCKS AROUND ON MANIFOLD LINE. FLOW CHECK AT 405M. 370M
14:30	15:30	1.00	15.50	Other	SWITCH BLOCKS AROUND ON MANIFOLD LINE
15:30	16:15	0.75	16.25	Pressure test BOPs	PRESSURE TEST MANIFOLD LINE. HCR LINE
16:15	19:30	3.25	19.50	Drill	DRILL 200MM HOLE FROM 413M TO 475M
19:30	20:00	0.50	20.00	Deviation survey	DEVIATION SURVEY (ACCUMULATIVE)
20:00	20:15	0.25	20.25	Drills/BOP, etc.	DRILLS/BOP, WELL SECURE 50 SECONDS
20:15	20:30	0.25	20.50	Safety meeting	SAFETY MEETING WITH RAIMS SERVICES, H2S ALARM DRILL
20:30	21:00	0.50	21.00	Drill	DRILL 200mm HOLE FROM 475 - 485M
21:00	21:45	0.75	21.75	Rig Repair	RIG REPAIR, CHANGE SWIVEL WASH PIPE PACKING
21:45	23:30	1.75	23.50	Drill	DRILL 200mm HOLE FROM 485 - 532M



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/21/2010

Report #: 9.0

Depth Progress: 154.00

Total AFE Amount: 1,789,856.00

AFE Number: 09N010005

Daily Cost: 28,901

Cum Cost to Date: 801,792

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 4.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

TIME LOG SUMMARY

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
23:30	00:00	0.50	24.00	Deviation survey	DEVIATION SURVEY (ACCUMULATIVE)

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m ³)	Oil Water Ratio	Chlorides (mg/L)	Calcium (mg/L)	Lime (kg/m ³)	Potassium (mg/L)
Electric Stab (V)	ECD - Manual Entry (kg/m ³)	Sand (%)	Solids (%)	Temp Bottom Hole (°C)	HTHP Pressure (kPa)	HTHP Filtrate (mL/30min)
Active Mud Volume (Surf) (m ³)	Mud Lost to Hole (m ³)	Cum Mud Lost to Hole (m ³)		Daily Mud Cost	Mud Cum To Date 3,890	
Depth (mKB) 492.00	Density (kg/m ³) 1000.0	Funnel Viscosity (s/L) 30	pH 11.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
ALKAPAM		1.0
ENVIROFLOC CODE 1065		10.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 139.7	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm) Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 2	Bit Type Bit	Size (mm) 200.0	Make VAREL	Model VTD513HX	Serial Number 4001140	IADC Codes ---
Nozzles (mm)	Depth In (mKB) 378.00	Depth Out (mKB) 675.00	Depth Drilled (m) 297.00	Drilling Time (hrs) 17.25	BHA ROP (m/hr) 17.2	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill pipe - Singles			1	9.52	520.22
Drill pipe - Stands			17	323.09	510.70
HWDP		133.0	6	55.79	187.61
X/O		163.0	1	0.28	131.82
DC (6.25 IN)		158.0	8	72.15	131.54
JARS-HYD		166.0	1	5.51	59.39
SHORT DC		166.0	1	4.61	53.88
DC (6.25 IN)		158.0	5	45.58	49.27
TELEDRIFT		154.0	1	2.47	3.69
BIT SUB		161.0	1	0.91	1.22

DRILLING SUMMARY

Depth Start (mKB) 378.00	Depth End (mKB) 475.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m ³ /min)	dP (SPP) (kPa)
RPM (rpm) 65	Motor RPM (rpm)	Bit RPM (rpm) 65	Slack-Off Hook Load (daN)	Drilling Time (hrs) 8.00		
Depth Start (mKB) 475.00	Depth End (mKB) 532.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m ³ /min)	dP (SPP) (kPa)
RPM (rpm) 90	Motor RPM (rpm)	Bit RPM (rpm) 90	Slack-Off Hook Load (daN)	Drilling Time (hrs) 2.25		

SAFETY CHECKS

Date	Type	Description
1/21/2010	Safety Meeting	H2S DETECTION/ALARM SYSTEM

SAFETY INCIDENTS

Date	Comment	Type



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/21/2010

Report #: 9.0

Depth Progress: 154.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 28,901

Cum Cost to Date: 801,792

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 4.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

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)
1/21/2010	388.00	1.50	0.00	387.91	7.03	0.00	7.03	0.36
1/21/2010	435.00	2.00	0.00	434.89	8.46	0.00	8.46	0.32
1/21/2010	482.00	3.00	0.00	481.85	10.51	0.00	10.51	0.64
1/21/2010	530.00	3.00	0.00	529.78	13.03	0.00	13.03	0.00

FORMATIONS

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



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/20/2010

Report #: 8.0

Depth Progress: 0.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 156,978

Cum Cost to Date: 772,916

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 3.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

Daily Operations

Depth Start (mKB) 378.0	Depth End (mKB) 378.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather OVERCAST	Temperature (°C) -8	Lease Condition
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Operation at 6am

WASHING TO TOP OF FLOAT COLLAR AT 363M.

Operations Summary

RIG IN SANGEL CEMENTERS. CEMENT CASING WITH 33 T OF CL"G" WITH 1.5% CACL2. DISPLACED WITH 12 M3 OF H2O. BUMPED PLUG WITH 7500KPA. PRESSURE TEST CASING TO 16000KPA. WOC. WELD ON CASING BOWL. RIG UP BOP. INSTALL NEW CHOKE LINES AND FLARE LINES. JACK RIG. COMPLETE BOP RIG UP. PRESSURE TEST MANIFOLD, LINES, BOP COMPONENTS AND VALVES TO 1500 KPA LOW TEST AND 14000 KPA HIGH TEST. TEST ANNULAR PREVENTER TO 1500 KPA LOW TEST AND 10500 KPA HIGH TEST. TESTED UPPER AND LOWER KELLY VALVES AND STABBING VALVE TO 1500 KPA LOW TEST AND 14000 KPA HIGH TEST. CLEAN MUD TANKS

Operations Next Report Period

COMPLETE PRESSURE TESTING, DRILLOUT, DRILL AHEAD

Remarks

INAC DID A LOCATION ENVIRONMENTAL INSPECTION. POSITIVE. TRANSPORTED 4 SIDE DUMP LOADS OF CUTTINGS FROM LOCATION TO SUMP. RAIMES IS RIGGING IN H2S DETECTION AND SAFETY EQUIPMENT

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 780-717-7252
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	01:15	1.25	1.25	Cementing	CEMENT CASING, 7.5 M3 RETURNS TO SURFACE, BUMPED PLUG, FLOATS HELD
01:15	01:30	0.25	1.50	Pressure test CSG/shoe	PRESSURE TEST CSG/SHOE TO 16,000 KPA
01:30	07:30	6.00	7.50	Wait on cement	WAIT ON CEMENT
07:30	08:00	0.50	8.00	Other	CUT CASING & WELD BOWL
08:00	10:30	2.50	10.50	Other	CUT CASING AND WELD ON BOWL
10:30	18:00	7.50	18.00	Nipple up BOP	NIPPLE UP BOP,INSTALL NEW LINES TO MANIFOLD,MANIFOLD TO FLARE TANK,MANIFOLD TO MUD TANKS
18:00	19:00	1.00	19.00	Level rig	LEVEL RIG WITH ARDY RIG JACKINGS
19:00	20:00	1.00	20.00	Nipple up BOP	FINISH NIPPLING UP BOPS
20:00	22:00	2.00	22.00	Nipple up BOP	FINISH NIPPLE UP.PICK UP KELLY AND INSTALL UPPER KELLY COCK
22:00	00:00	2.00	24.00	Pressure test BOPs	PRESSURE TEST BOPS.TEST UPPER AND LOWER KELLY COCK STABBING VALVE AND INSIDE BOPS.PRESSURE TEST PIPE RAMS PRESSURE TEST BLINDS,HCR,ALL BOP VALVES,CHOKE LINES AND MANIFOLD1500 KPA LOW-14000 KPA HIGH.ALL TEST 10 MINUTES TEST ANNULAR TO 1500 KPA AND 10500 H

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 3,890		
Depth (mKB)	Density (kg/m³)	Funnel Viscosity (s/L)	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/20/2010

Report #: 8.0

Depth Progress: 0.00

Total AFE Amount: 1,783,006.00

AFE Number: 09N010005

Daily Cost: 156,978

Cum Cost to Date: 772,916

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 3.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m) 3.97	

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 139.7	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
		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

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)
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Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/19/2010

Report #: 7.0

Depth Progress: 39.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 28,821

Cum Cost to Date: 615,938

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 2.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

Daily Operations

Depth Start (mKB)	339.0	Depth End (mKB)	378.0	Target Formation	Sulphur Point	Target Depth (mKB)	1,465.00
Weather	OVERCAST		Temperature (°C)	-10		Lease Condition	
Operation at 6am							
PREPARING TO CUT CASING							
Operations Summary							
DRILL AHEAD TO 367m. WIPER TRIP TO SURFACE (HOLE GOOD) DRILL TO 378m. CONDITION MUD TO RUN CASING. POOH AND LAY DOWN 203mm DC. RIG IN POWER TONGS AND RUN 378m OF 219mm SURFACE CASING. CIRCULATE CASING , WAIT ON SANJEL CEMENTERS							
Operations Next Report Period							
CEMENT CASING, WOC, NIPPLE DOWN DIVERTER, WELD BOWL, NIPPLE UP BOP							
Remarks							
CASING RAN RIGHT TO BOTTOM. HOLE IN EXCELLENT SHAPE							
Avg Connection Gas (Units)		Avg Background Gas (Units)		Avg Trip Gas (Units)		Max H2S (Units)	

DAILY CONTACTS

Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-382-8968
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 780-717-7252

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 DIVERTER C/O 6SECONDS
00:15	03:45	3.50	3.75	Drill	DRILL 311mmHOLE FROM 339m TO 367m
03:45	04:45	1.00	4.75	Condition mud & circulate	CONDITION MUD & CIRCULATE
04:45	08:00	3.25	8.00	Wiper Trip	WIPER TRIP FC,@ 355 ,183,0M
08:00	08:15	0.25	8.25	Trips	TRIPS, RIH
08:15	08:30	0.25	8.50	Rig Service	RIG SERVICE
08:30	09:30	1.00	9.50	Condition mud & circulate	CIRCULATE HOLE CLEAN
09:30	12:00	2.50	12.00	Drill	DRILL 311mm HOLE FROM 367M -378M
12:00	12:15	0.25	12.25	Deviation survey	DEVIATION SURVEY
12:15	13:00	0.75	13.00	Condition mud & circulate	CONDITION MUD & CIRCULATE HOLE CLEAN
13:00	15:00	2.00	15.00	Trips	TRIPS, POOH, LAY DOWN 8" DC
15:00	15:15	0.25	15.25	Safety meeting	SAFETY MEETING WITH TONG HAND
15:15	19:30	4.25	19.50	Run casing & cementing	RIG IN AND RUN CASING
19:30	20:00	0.50	20.00	Condition mud & circulate	CONDITION MUD & CIRCULATE CASING ,WAIT ON SANGEL CEMENTERS
20:00	23:30	3.50	23.50	Condition mud & circulate	CONDITION MUD & CIRCULATE CASING , WAIT ON SANGEL CEMENTERS
23:30	00:00	0.50	24.00	Safety meeting	SAFETY MEETING WITH SANGEL CEMENTERS

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 52	Mud Cum To Date 2,971		
Depth (mKB) 378.00	Density (kg/m³) 1020.0	Funnel Viscosity (s/L) 45	pH 9.0	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
SAWDUST CODE 1122	6.53	8.0



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/19/2010

Report #: 7.0

Depth Progress: 39.00

Total AFE Amount: 1,789,936.00

AFE Number: 09N010005

Daily Cost: 28,821

Cum Cost to Date: 615,938

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 2.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
BENTONITE CODE 1023		25.0
DESCO CODE 1054		2.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 139.7	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
		Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 1	Bit Type Bit	Size (mm) 311.0	Make VAREL	Model HE04SMRSV	Serial Number 7237	IADC Codes ---
Nozzles (mm) 14.3/14.3/14.3/14.3	Depth In (mKB) 19.00	Depth Out (mKB) 378.00	Depth Drilled (m) 359.00	Drilling Time (hrs) 40.00	BHA ROP (m/hr) 9.0	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill Pipe	82.3	101.6	1	9.51	701.40
Drill Pipe	101.6	127.0	6	113.85	521.04
Drill pipe - Stands			9	170.85	691.89
HWDP	69.8	101.6	6	55.79	351.40
HWDP(4.5 IN)		133.0	6	55.79	407.19
Drill Collar	57.1	155.0	1	0.28	295.33
X/O		155.0	1	0.28	295.61
DC (6.25 IN)		158.0	2	18.21	276.84
Drill Collar	57.1	158.0	2	18.21	295.05
Drilling Jars - Hydraulic	52.0	166.0	1	5.51	253.12
JARS		166.0	1	5.51	258.63
Drill Collar - Pony		166.0	1	4.61	243.00
SHORT DC		166.0	1	4.61	247.61
DC (6.25 IN)		158.0	11	99.52	138.87
Drill Collar	57.1	158.0	11	99.52	238.39
Survey Tool - Teledrift		154.0	1	2.47	36.88
TELEDRIFT		154.0	1	2.47	39.35
Drill Collar	63.5	194.0	2	17.05	17.36
DC (8.00 IN)		194.0	2	17.05	34.41

DRILLING SUMMARY

Depth Start (mKB) 339.00	Depth End (mKB) 367.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 110	Motor RPM (rpm)	Bit RPM (rpm) 110	Slack-Off Hook Load (daN)	Drilling Time (hrs) 3.50		
Depth Start (mKB) 367.00	Depth End (mKB) 378.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 85	Motor RPM (rpm)	Bit RPM (rpm) 85	Slack-Off Hook Load (daN)	Drilling Time (hrs) 2.50		

SAFETY CHECKS

Date	Type	Description

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

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



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/19/2010

Report #: 7.0

Depth Progress: 39.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 28,821

Cum Cost to Date: 615,938

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 2.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
1/19/2010	327.00	1.50	0.00	326.94	5.17	0.00	5.17	0.52
1/19/2010	346.00	2.00	0.00	345.93	5.75	0.00	5.75	0.79

FORMATIONS

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



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 Precision Drilling

Report For: 1/18/2010

Report #: 6.0

Depth Progress: 204.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 21,262

Cum Cost to Date: 539,380

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 1.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

Daily Operations

Depth Start (mKB)	135.0	Depth End (mKB)	339.0	Target Formation	Sulphur Point	Target Depth (mKB)	1,465.00
Weather	OVERCAST		Temperature (°C)	-12		Lease Condition	
Operation at 6am							
WIPER TRIP WITH STRAP FROM 367M. HOLE GOOD							
Operations Summary							
DRILL 311mm SURFACE HOLE FROM 135m - 339m.							
Operations Next Report Period							
DRILL TO CASING DEPTH AT 378m. CONDITION HOLE. RUN CASING AND CEMENT							
Remarks							
MUD SYSTEM WORKED WELL WHILE DRILLING. NO TIGHT CONNECTIONS OR MUD RINGING THROUGHOUT. CUTTINGS ARE NOT FROZEN. CUTTING ARE SCHEDULED TO BE MOVED TO SUMP AFTER SURFACE HOLE USING SIDE DUMP UNIT.							
Avg Connection Gas (Units)		Avg Background Gas (Units)		Avg Trip Gas (Units)		Max H2S (Units)	

DAILY CONTACTS

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 780-717-7252
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
00:15	01:00	0.75	1.00	Condition mud & circulate	CONDITION MUD & CIRCULATE, WAIT FOR DEFOAMER
01:00	07:00	6.00	7.00	Drill	DRILL 311mm HOLE FROM 135m TO 178m
07:00	07:30	0.50	7.50	Deviation survey	DEVIATION SURVEY (ACCUMULATED)
07:30	08:00	0.50	8.00	Circulate And Condition	CIRCULATE TO CONTROL FOAM
08:00	08:15	0.25	8.25	Rig Service	RIG SERVICE
08:15	16:00	7.75	16.00	Drill	DRILL 311mm HOLE FROM 178 - 253m
16:00	16:15	0.25	16.25	Rig Service	RIG SERVICE, FUNCTIONED ANNULAR PREVENTER C/O 6 SECONDS
16:15	19:15	3.00	19.25	Drill	DRILL 311mm HOLE FROM 253 - 313M
19:15	20:00	0.75	20.00	Deviation survey	DEVIATION SURVEY (ACCUMULATIVE)
20:00	20:15	0.25	20.25	Safety meeting	SAFETY MEETING ,WITH RIG MANGER ,RIG SUPERVISER
20:15	23:30	3.25	23.50	Drill	DRILL 311mmHOLE FROM 313m TO 339m
23:30	00:00	0.50	24.00	Deviation survey	DEVIATION SURVEY (ACCUMULATED)

MUD CHECKS

Low Gravity Solids (%)	MBT (kg/m³) 100	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 (%) 3.0	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	Mud Cum To Date 1,739		
Depth (mKB) 334.00	Density (kg/m³) 1020.0	Funnel Viscosity (s/L) 50	pH 9.5	PV Override (cp)	YP Override (Pa) 5.300	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
HYPER DRILL 247RD 1302		1.0
MTL SHURE SHALE		2.0
MILLZAN		2.0
BRI-CHEM DEFOAMER		6.0
SAWDUST CODE 1122		13.0
DETERGENT		1.0



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 Precision Drilling

Report For: 1/18/2010

Report #: 6.0

Depth Progress: 204.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 21,262

Cum Cost to Date: 539,380

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 1.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
DEFOAMER XL		3.0
SAWDUST CODE 1122		15.0
TKPP CODE 1401		1.0
CAUSTIC SODA BEADS		1.0
HYPER DRILL 247RD 1302		1.0
MILLZAN		1.0
BRI-CHEM DEFOAMER		3.0
SAWDUST CODE 1122		12.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW) 800.0
Pressure (kPa) 4,000	Slow Speed Check? No	Strokes (spm) 85
		Volumetric Efficiency (%) 98
Pump Number 2	Rod Diameter (mm) 139.7	Pump Rating (kW) 800.0
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
		Volumetric Efficiency (%)

BIT SUMMARY

Bit Run 1	Bit Type Bit	Size (mm) 311.0	Make VAREL	Model HE04SMRSV	Serial Number 7237	IADC Codes ---
Nozzles (mm) 14.3/14.3/14.3/14.3	Depth In (mKB) 19.00	Depth Out (mKB) 339.00	Depth Drilled (m) 320.00	Drilling Time (hrs) 34.00	BHA ROP (m/hr) 9.4	IADC Bit Dull -----

DRILL STRING COMPONENTS

Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
Drill Pipe	82.3	101.6	1	9.51	327.11
Drill Pipe	101.6	127.0	6	113.85	317.60
HWDP	69.8	101.6	6	55.79	203.75
Drill Collar	57.1	155.0	1	0.28	147.96
Drill Collar	57.1	158.0	2	18.21	147.68
Drilling Jars - Hydraulic	52.0	166.0	1	5.51	129.47
Drill Collar - Pony		166.0	1	4.61	123.96
Drill Collar	57.1	158.0	11	99.52	119.35
Survey Tool - Teledrift		154.0	1	2.47	19.83
Drill Collar	63.5	194.0	2	17.05	17.36

DRILLING SUMMARY

Depth Start (mKB) 135.00	Depth End (mKB) 178.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 65	Motor RPM (rpm)	Bit RPM (rpm) 65	Slack-Off Hook Load (daN)	Drilling Time (hrs) 6.00		
Depth Start (mKB) 178.00	Depth End (mKB) 313.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 4,000	Drilling Torque	Flow Rate (m³/min)	dP (SPP) (kPa)
RPM (rpm) 85	Motor RPM (rpm)	Bit RPM (rpm) 85	Slack-Off Hook Load (daN)	Drilling Time (hrs) 10.75		
Depth Start (mKB) 313.00	Depth End (mKB) 339.00	ROP Instantaneous (min/m)	Weight on Bit (daN) 3,000	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) 3.25		

SAFETY CHECKS

Date	Type	Description

SAFETY INCIDENTS

Date	Comment	Type

WELL CONTROL SUMMARY

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



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 Precision Drilling

Report For: 1/18/2010

Report #: 6.0

Depth Progress: 204.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost: 21,262

Cum Cost to Date: 539,380

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30		Rig Release Date	DFS: 1.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

SURVEY DATA

Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
1/18/2010	175.00	1.00	0.00	174.99	1.71	0.00	1.71	0.00
1/18/2010	203.00	0.50	0.00	202.99	2.08	0.00	2.08	0.54
1/18/2010	231.00	0.50	0.00	230.99	2.32	0.00	2.32	0.00
1/18/2010	260.00	2.00	0.00	259.98	2.95	0.00	2.95	1.55
1/18/2010	298.00	2.00	0.00	297.96	4.28	0.00	4.28	0.00

FORMATIONS

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



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/17/2010

Report #: 5.0

Depth Progress: 116.00

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost:

Cum Cost to Date:

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 0.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

Daily Operations

Depth Start (mKB) 19.0	Depth End (mKB) 135.0	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather OVERCAST	Temperature (°C) -11	Lease Condition
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Operation at 6am

DRILLING AHEAD AT 159m

Operations Summary

Morning Tour Notes:

FUNCTION CROWN SAVER, INSPECT FLOOR,PUMP HOUSE ,BOILER, LIGHT PLANT, MUD TANKSBLOW DOWN BOILER 2X

Day Tour Notes:

FUNCTIONED CROWN SAVER, VISUALLY INSPECTED TONGS, LINES,SLIPS, BRAKE LINKAGE, BOILER BLOWN TWICE

Evening Tour Notes:

FUNCTION CROWN SAVER, VIS INSPECT TONGS,LINES SLIPS BLOW DOWN BOILER 1X

Operations Next Report Period

DRILL AHEAD

Remarks

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 780-717-7252
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 FUNCTION DIVERTER & HCR VALVE
00:15	02:00	1.75	2.00	Other	RIG INSPECTION WITH RIG SUPERVISOR
02:00	07:00	5.00	7.00	Other	WORK ON INSPECTION LIST FORM RIG SUPERVISOR
07:00	07:15	0.25	7.25	Safety meeting	SAFETY MEETING PRESPUD WITH ALL PERSONNEL
07:15	07:30	0.25	7.50	Drills/BOP, etc.	DRILLS/BOP. WELL SECURE 45 SECONDS
07:30	08:00	0.50	8.00	Drill	SPUD WELL , DRILL FROM 0m- 19m
08:00	19:00	11.00	19.00	Drill	DRILL 311mm HOLE FROM 19 - 110M
19:00	20:00	1.00	20.00	Deviation survey	TELEDRIFT SURVEY
20:00	23:00	3.00	23.00	Drill	DRILL 311mm HOLE FROM 110m TO 135m MUD VERY FOAMY
23:00	23:30	0.50	23.50	Deviation survey	TELEDRIFT SURVEY
23:30	00:00	0.50	24.00	Circulate And Condition	CIRCULATE AND MIX DEFOAMER

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 284		
Depth (mKB) 95.00	Density (kg/m³) 1020.0	Funnel Viscosity (s/L) 37	pH 9.5	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
DETERGENT		1.0
CAUSTIC SODA BEADS		1.0
MILLZAN		1.0
SAWDUST		19.0
CAUSTIC SODA BEADS		1.0
HYPER DRILL 247RD 1302		1.0



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 PRECISION DRILLING, DIV OF PDC

Report For: 1/17/2010

Report #: 5.0

Depth Progress: 116.0

Total AFE Amount: 1,711,000

AFE Number: 09N010005

Daily Cost:

Cum Cost to Date:

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: 0.69 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

MUD ADDITIVES		
Description	Cost (/unit)	Consumed
MILLZAN		1.0
SAWDUST CODE 1122		18.0

MUD PUMPS			
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
1	152.4		
Pressure (kPa)	Slow Speed Check?	Strokes (spm)	Volumetric Efficiency (%)
	No		
Pump Number	Rod Diameter (mm)	Pump Rating (kW)	
2	139.7		
Pressure (kPa)	Slow Speed Check?	Strokes (spm)	Volumetric Efficiency (%)
	No		

BIT SUMMARY						
Bit Run	Bit Type	Size (mm)	Make	Model	Serial Number	IADC Codes
1	Bit	311.0	VAREL	HE04SMRSV	7237	---
Nozzles (mm)	Depth In (mKB)	Depth Out (mKB)	Depth Drilled (m)	Drilling Time (hrs)	BHA ROP (m/hr)	IADC Bit Dull
14.3/14.3/14.3/14.3	19.00	135.00	116.00	14.00	8.3	-----

DRILL STRING COMPONENTS					
Item Description	ID (mm)	OD (mm)	Jts	Len (m)	Cum Len (m)
X/O		155.0	1	0.28	124.24
SHORT DC		166.0	1	4.61	123.96
DC (6.25 IN)		158.0	11	99.52	119.35
TELEDRIFT		154.0	1	2.47	19.83
DC (8.00 IN)		194.0	2	17.05	17.36

DRILLING SUMMARY						
Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m ³ /min)	dP (SPP) (kPa)
19.00	110.00		3,000			
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		
65		65		11.00		
Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m ³ /min)	dP (SPP) (kPa)
110.00	135.00		3,000			
RPM (rpm)	Motor RPM (rpm)	Bit RPM (rpm)	Slack-Off Hook Load (daN)	Drilling Time (hrs)		
65		65		3.00		

SAFETY CHECKS		
Date	Type	Description

SAFETY INCIDENTS		
Date	Comment	Type

WELL CONTROL SUMMARY					
Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m ³)	P (LO) (kPa)

SURVEY DATA								
Date	MD (mKB)	Incl (°)	Azm (°)	TVD (mKB)	NS (m)	EW (m)	VS (m)	DLS (°/30m)
1/17/2010	11.00	0.50	0.00	11.00	0.05	0.00	0.05	1.36
1/17/2010	19.00	0.50	0.00	19.00	0.12	0.00	0.12	0.00
1/17/2010	30.00	0.50	0.00	30.00	0.21	0.00	0.21	0.00
1/17/2010	56.00	0.50	0.00	56.00	0.44	0.00	0.44	0.00
1/17/2010	91.00	0.50	0.00	91.00	0.75	0.00	0.75	0.00

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



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 Precision Drilling

Report For: 1/16/2010

Report #: 4.0

Depth Progress:

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost:

Cum Cost to Date:

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: -0.31 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

Daily Operations

Depth Start (mKB)	Depth End (mKB)	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather OVERCAST	Temperature (°C) -15	Lease Condition	
Operation at 6am			
ADDRESSING RIG INSPECTION DEFICENCIES			
Operations Summary			
Evening Tour Notes: FUNCTION CROWN SAVER VIS INSPECT TONGS,LINES, SLIPS, BLOW DOWN BOILER 1X			
Operations Next Report Period			
SPUD WELL AND DRILL AHEAD			
Remarks			

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

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 780-717-7252
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	Rig Service	RIG SERVICE
00:30	01:00	0.50	1.00	Rig up	RIG UP RAISE TOP SECTION OF DERRICK
01:00	02:30	1.50	2.50	Rig up	RIG UP GET WATER & STEAM GOING AROUND RIG
02:30	03:00	0.50	3.00	Rig up	RIG UP, PICK UP KELLY
03:00	08:00	5.00	8.00	Rig up	RIG UP, RIG IN DIVERTER, BRING BHA OVER
08:00	20:00	12.00	20.00	Rig up	RIG UP, FINISH RIGGING IN DIVERTER, RUN DIVERTER LINE AND TIE INTO FLARE TANK, FINISH RIGGING IN SECOND PUMP, TIDY UP LOCATION, FINISH PREFABS, RIG IN BOILER BLOW DOWN TANK
20:00	21:45	1.75	21.75	Pick up BHA	PICK UP BHA, MAKE UP BIT & 8 INCH DC
21:45	22:15	0.50	22.25	Test diverter	TEST DIVERTER, WITNESS BY RIG MANAGER, & DRILLER & PARAMOUNT SUPERVISOR
22:15	23:00	0.75	23.00	Condition mud & circulate	THAW OUT ICE PLUG IN KELLY HOSE & CIRCULATE
23:00	00:00	1.00	24.00	Other	RIG INSPECTION

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 284	Mud Cum To Date 284	
Depth (mKB)	Density (kg/m³) 1000.0	Funnel Viscosity (s/L) 30	pH	PV Override (cp)	YP Override (Pa)	

MUD ADDITIVES

Description	Cost (/unit)	Consumed
DRILLING DETERGENT	62.35	1.0
HYPER DRILL 247	221.55	1.0
MTL SURE SHALE		7.0

MUD PUMPS

Pump Number 1	Rod Diameter (mm) 152.4	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Pump Number 2	Rod Diameter (mm) 139.7	Pump Rating (kW)



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 Precision Drilling

Report For: 1/16/2010

Report #: 4.0

Depth Progress:

Total AFE Amount: 1,766,000

AFE Number: 09N010005

Daily Cost:

Cum Cost to Date:

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date	DFS: -0.31 days	
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

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

Depth Start (mKB)	Depth End (mKB)	ROP Instantaneous (min/m)	Weight on Bit (daN)	Drilling Torque	Flow Rate (m ³ /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
1/17/2010	Pre Spud Inspection	Rig and Rental Equipment Inspection

SAFETY INCIDENTS

Date	Comment	Type
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WELL CONTROL SUMMARY

Run Date	Casing Description	OD (mm)	Set Depth (mKB)	Vol (m ³)	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)
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Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 Precision Drilling

Report For: 1/15/2010

Report #: 3.0

Depth Progress:

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost:

Cum Cost to Date:

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: -1.31 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

Daily Operations				
Depth Start (mKB)		Depth End (mKB)	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather OVERCAST		Temperature (°C) -15	Lease Condition	
Operation at 6am				
Operations Summary				
Operations Next Report Period				
Remarks				
Avg Connection Gas (Units)		Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)

DAILY CONTACTS			
Title Rig Manager	Job Contact TERRY SCHAUFERT	Phone Mobile 403-382-8968	
Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 780-717-7252	

TIME LOG SUMMARY					
Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Code 2	Comment
00:00	08:00	8.00	8.00	Rig up	RIG UP ON NEW LOCATION (WORK DAYLIGHTS)
08:00	08:15	0.25	8.25	Safety meeting	SAFETY MEETING WITH ALL PERSONNEL
08:15	20:00	11.75	20.00	Rig up	RIG UP ON NEW LOCATION, FINISH SPOTTING ALL BUILDINGS, START RIGGING IN SECOND PUMP, WORK ON RIGGING IN THE REST OF THE RIG
20:00	00:00	4.00	24.00	Rig up	RIG UP, WELD ON FLANGE FOR DIVERTER, PREPARE TO PICK UP DIVERTER

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) 152.4	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)	Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 139.7	Pump Rating (kW)	
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)	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)	



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 Precision Drilling

Report For: 1/15/2010

Report #: 3.0

Depth Progress:

Total AFE Amount: 1,766,000.00

AFE Number: 09N010005

Daily Cost:

Cum Cost to Date:

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: -1.31 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	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

SAFETY INCIDENTS

Date	Comment	Type
1/16/2010	Driller had installed degasser line on mud tank using the boom line. While this operation was underway other crew members were installing the floor area prefab tarps. The driller went to assist with the prefabs and banged into the boom line hydraulic control lever. The result was damage to the flare line attachment on the mud tank. Flare line was removed and welder comissioned to repair.	Near Miss

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 M-74

Business Unit: NE BC & NWT COU

Rig: 436 Precision Drilling

Report For: 1/14/2010

Report #: 2.0

Depth Progress:

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost:

Cum Cost to Date:

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: -2.31 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

Daily Operations

Daily Operations			
Depth Start (mKB)	Depth End (mKB)	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
Weather OVERCAST	Temperature (°C) -15	Lease Condition	
Operation at 6am			
Operations Summary			
Operations Next Report Period			
Remarks			
Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)

DAILY CONTACTS

Title Drilling Foreman	Job Contact JOHN WILLIAMS	Phone Mobile 780-717-7252
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	08:00	8.00	8.00	Rig up	RIG UP ON NEW LOCATION(WORK DAYLIGHTS)
08:00	08:45	0.75	8.75	Safety meeting	SAFETY MEETING / PARAMOUNT ORIENTATION
08:45	20:00	11.25	20.00	Rig up	RIG UP, SPOT MATTING , BUILDINGS, SHACKS
20:00	00:00	4.00	24.00	Rig up	RIG UP ON NEW LOCATION(WORK DAYLIGHTS)

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) 152.4	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
		Volumetric Efficiency (%)
Pump Number 2	Rod Diameter (mm) 139.7	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
		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

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)		



Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 Precision Drilling

Report For: 1/14/2010

Report #: 2.0

Depth Progress:

Total AFE Amount: 1,766,000

AFE Number: 09N010005

Daily Cost:

Cum Cost to Date:

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date	DFS: -2.31 days	
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

SAFETY CHECKS

Date	Type	Description
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SAFETY INCIDENTS

Date	Comment	Type
1/14/2010	Mullen rigger caught index finger between sling and roll.	Near Miss

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)
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Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 Precision Drilling

Report For: 1/13/2010

Report #: 1.0

Depth Progress:

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost:

Cum Cost to Date:

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date		DFS: -3.48 days
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

Daily Operations

Depth Start (mKB)	Depth End (mKB)	Target Formation Sulphur Point	Target Depth (mKB) 1,465.00
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Weather	Temperature (°C)	Lease Condition
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Operation at 6am

Wait on daylight

Operations Summary

Moved light loads into location. Heavy loads at Indian cabins.

Operations Next Report Period

Continue rig move and rig up on M-74

Remarks

Avg Connection Gas (Units)	Avg Background Gas (Units)	Avg Trip Gas (Units)	Max H2S (Units)
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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
08:00	20:00	12.00	12.00	RIGUP & TEARDOWN	Waited on trucks to arrive with lights loads. Pd rig crew arrived at camp at 19:00 hr

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) 152.4	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
Volumetric Efficiency (%)		
Pump Number 2	Rod Diameter (mm) 139.7	Pump Rating (kW)
Pressure (kPa)	Slow Speed Check? No	Strokes (spm)
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

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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Daily Drilling

Well Name: PARA ET AL CAMERON M-74

Business Unit: NE BC & NWT COU

Rig: 436 Precision Drilling

Report For: 1/13/2010

Report #: 1.0

Depth Progress:

Total AFE Amount: 1,789,656.00

AFE Number: 09N010005

Daily Cost:

Cum Cost to Date:

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Spud Date 1/17/2010 07:30	Rig Release Date	DFS: -3.48 days	
Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13	KB-Casing Flange Distance (m)	

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)

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