



## Daily Completion and Workover

### PARA ET AL CAMERON M-74

Rig:

Business Unit: NE BC & NWT COU

Report Date: 2/27/2010

Report #: 5.0

Total AFE Amount:

AFE Number:

Daily Cost Total: 39,416

Cum Cost to Date: 219,987

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Well Configuration Type VERT	Casing Flange Elevation (m) 778.16	Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa) 4,786	Tubing Pressure (kPa) 4,613

Objective

Evaluate Sulphur Point Dolomite as oil well .

Operations Summary

Run gradient , kill well . Pullout of hole tubing , e - line bridge plug & bail cement.

Operations Next Report Period

Move rig and equipment to F - 77

Road Condition good	Weather Cloudy	Start Date 2/23/2010	End Date
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Daily Contacts

Title	Job Contact	Mobile
P Enginer	Dick Heenan	403 818 - 4408
Consultant	Kim MacLeod	780 542 - 1897
Rig Manager	Dwayne Palmer	403 357 - 6841

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
07:00	07:30	0.50	0.50	Crew change , held pre - job safety meeting on wireline procedures . Walk around equipment .
07:30	08:30	1.00	1.50	Continue monitoring pressures on well .
08:30	15:00	6.50	8.00	Rig up Pure Energy slickline truck , run into hole with gradient . First stop @ 1423.5m continue reverse gradient @ 40m stops to 500m , remaining stops . Bottom hole pressure @ 5,464 kPa , Bottom hole Temp @ 54° C . Rig down and release slickline truck .
15:00	16:00	1.00	9.00	Rig in pump lines to well head , rig testers to casing . Forward circulate down tubing 21m3 , returns to vessel .
16:00	18:30	2.50	11.50	Pull and lay down tubing hanger , pull out of hole laying down onto ground . Install protectors on tubing while laying onto pipe racks .
18:30	19:00	0.50	12.00	Rig down tubing equipment , clean up work floor .
19:00	19:30	0.50	12.50	Crew change , held pre - job safety meeting on E - line procedures , no walking under heavy loads . Walk around equipment .
19:30	21:00	1.50	14.00	Run into hole with Pure Energy bridge plug , log into place @ 1411mKB . Pull out of hole , pump inhibitor with KCL water . Pressure test bridge plug to 17,000 kPa , monitor for 15 minutes . Good test , bleed off pressure .
21:00	23:00	2.00	16.00	Run into hole with cement bailer , bail 10m cement on top of bridge plug . Pull out of hole , rig down and release Pure Energy e - line truck .
23:00	00:00	1.00	17.00	Rig down tubing equipment and work floor , nipple down class III BOP stack .
00:00	01:00	1.00	18.00	Pump 200L diesel down casing , nipple up well head . Pressure test top section , confirm good ring seal .
01:00	05:30	4.50	22.50	Rig down rig , pump , tank , boiler . Rig down test equipment and flare stack . Rig out air lines and air trailer .
05:30	06:30	1.00	23.50	Clean up around well head
06:30	07:00	0.50	24.00	Lock and secure well head .

Report Fluids Summary

Fluid	To well (m <sup>3</sup> )	From well (m <sup>3</sup> )	Cum from Well (m <sup>3</sup> )	Left to recover (m <sup>3</sup> )
Other			6.75	0.00
Water	21.00	0.00	50.70	20.70

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
2/24/2010	Sulphur Point, Original Hole	1,421.50	1,425.00	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	J-55	35.716	377.00
Production	J-55	20.834	1,473.00

Daily Completion  
& Workover  
Report



## Daily Completion and Workover

### PARA ET AL CAMERON M-74

Rig:

Business Unit: NE BC & NWT COU

Report Date: 2/26/2010

Report #: 4.0

Total AFE Amount:

AFE Number:

Daily Cost Total: 30,318

Cum Cost to Date: 180,571

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Well Configuration Type VERT	Casing Flange Elevation (m) 778.16	Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa) 4,777	Tubing Pressure (kPa) 4,026

Objective

Evaluate Sulphur Point Dolomite as oil well .

Operations Summary

Wait on slickline

Operations Next Report Period

Run into hole gradient

Road Condition good	Weather Cloudy	Start Date 2/23/2010	End Date
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Daily Contacts

Title	Job Contact	Mobile
P Enginer	Dick Heenan	403 818 - 4408
Consultant	Kim MacLeod	780 542 - 1897
Rig Manager	Dwayne Palmer	403 357 - 6841

Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
07:00	07:30	0.50	0.50	Crew change , held pre - job safety meeting on incident on night shift . Walk around equipment .
07:30	09:00	1.50	2.00	Continue monitoring pressures on well .
09:00	10:00	1.00	3.00	SITP @ 3,999 kPa , SICP @ 4,780 kPa . Open tubing on gut line , flow back to confirm H2S level . Confirm with calgary , shut in well .
10:00	19:00	9.00	12.00	Order slickline truck for gradients . Continue monitoring pressures on well .
19:00	19:30	0.50	12.50	Crew change , held pre - job safety meeting on checking pressures on well . Walk around equipment .
19:30	07:00	11.50	24.00	Continue monitoring pressures on well .

Report Fluids Summary

Fluid	To well (m <sup>3</sup> )	From well (m <sup>3</sup> )	Cum from Well (m <sup>3</sup> )	Left to recover (m <sup>3</sup> )
Other			6.75	0.00
Water			50.70	-0.30

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
2/24/2010	Sulphur Point, Original Hole	1,421.50	1,425.00	

Tubing Components

Item Description	Top (mKB)

Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	J-55	35.716	377.00
Production	J-55	20.834	1,473.00



## Daily Completion and Workover

### PARA ET AL CAMERON M-74

#### Rig:

#### Business Unit: NE BC & NWT COU

Report Date: 2/25/2010

Report #: 3.0

Total AFE Amount:

AFE Number:

Daily Cost Total: 62,053

Cum Cost to Date: 150,253

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Well Configuration Type VERT	Casing Flange Elevation (m) 778.16	Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

#### Objective

Evaluate Sulphur Point Dolomite as oil well .

#### Operations Summary

Swab tubing to evaluate , squeeze mud wash and acid . Swab down well , flow back to clean up .

#### Operations Next Report Period

Shut in well monitor pressures

Road Condition good	Weather Cloudy / snow	Start Date 2/23/2010	End Date
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#### Daily Contacts

Title		Job Contact		Mobile
P Enginer	Dick Heenan			403 818 - 4408
Consultant	Kim MacLeod			780 542 - 1897
Rig Manager	Dwayne Palmer			403 357 - 6841

#### Time Log

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
07:00	07:30	0.50	0.50	Crew change , held pre - job safety meeting on swabbing procedures . Walk around equipment , spilled 10L KCL water at rig pump .
07:30	10:00	2.50	3.00	Continue swabbing to vessel , total swabs 14 . Total fluid recovered 11.65m3 , confirm with calgary . Rig down swab equipment and flow tree .
10:00	12:00	2.00	5.00	Spot and rig in trican acid pumper , held safety meeting with all personal on location .
12:00	15:00	3.00	8.00	Break circulation down tubing , returns to vessel . Hole volume 12.4m3 KCL water , start mud wash . Spot mud wash @ T.E , shut in casing start mud wash squeeze . Squeezing away @ 20L / min @ 6,900 kPa , finish mud wash . Break circulation down tubing , start 1m3 HCL acid down tubing . Circulate down @ 150L / min @ 3,000 kPa , spot @ bottom of tubing . Reverse circulate out @ 250L / min . Acid to surface , shut down pumper . Forward circulate 4m3 acid to tubing end , start wash . Wash going away @! 2,000 kPa , start squeezez . Squeezing @ 400L / min @ 500 kPa , squeeze away 3.5m3 HCL 15% trican acid blend . Rig down and release acid pumper .
15:00	18:00	3.00	11.00	Rig in swab equipment , swab to vessel . Load fluid to recover 26.81m3 . First swab tag fluid @ 300m , recovered .2m3 water . Continue swabbing to vessel . Pulled 12 - swabs , recovered 4.93m3 water . Tubbing started flowing .
18:00	19:00	1.00	12.00	Continue flowing tubing to vessel , put plate on service
19:00	19:30	0.50	12.50	Crew change , held pre - job safety meeting on buddy system working with H2S .
19:30	00:00	4.50	17.00	Tank truck arrived on location to haul away sour fluid , removed hose from scrubber . Fell down , safety hand called alert . Driver stood up and walked to muster point . Held safety meeting with all personal at muster area , sent tank truck driver to camp to be checked by medic . Continue flowing tubing to vessel , tubing flowing @ 414 kPa , SICP @ 2,830 kPa . Gas rate @ 92.42 10 <sup>3</sup> m <sup>3</sup> , fluid rate @ 2.8m3 / Hr
00:00	02:00	2.00	19.00	Take H2S sample to confirm level of H2S , pulled rea tube 50,000 ppm . Confirm with calgary , flow for 45 minutes . Pull sample down to 40,000 ppm . Shut in well .
02:00	07:00	5.00	24.00	Monitor build up's on well .

#### Report Fluids Summary

Fluid	To well (m <sup>3</sup> )	From well (m <sup>3</sup> )	Cum from Well (m <sup>3</sup> )	Left to recover (m <sup>3</sup> )
Other	6.75	6.75	6.75	0.00
Water	12.40	11.65	45.72	4.68

#### Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
2/24/2010	Sulphur Point, Original Hole	1,421.50	1,425.00	

#### Tubing Components

Item Description	Top (mKB)

#### Casing Strings

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	J-55	35.716	377.00
Production	J-55	20.834	1,473.00



## Daily Completion and Workover

**PARA ET AL CAMERON M-74**

**Rig:**

**Business Unit: NE BC & NWT COU**

Report Date: 2/24/2010

Report #: 2.0

Total AFE Amount:

AFE Number:

Daily Cost Total: 34,298

Cum Cost to Date: 72,167

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Well Configuration Type VERT	Casing Flange Elevation (m) 778.16	Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

**Objective**

Evaluate Sulphur Point Dolomite as oil well .

**Operations Summary**

POOH with bit and scrapper , bond log . Swab down casing with service rig to 1200 . Perforate Sulphur point . Monitor pressures on casing .

**Operations Next Report Period**

**Mud wash**

Road Condition good	Weather Cloudy	Start Date 2/23/2010	End Date
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**Daily Contacts**

Title		Job Contact	Mobile
P Enginer	Dick Heenan	403 818 - 4408	
Consultant	Kim MacLeod	780 542 - 1897	
Rig Manager	Dwayne Palmer	403 357 - 6841	

**Time Log**

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
07:00	07:30	0.50	0.50	Crew change , held pre - job safety meeting on circulating lines in cold weather . Walk around equipment .
07:30	08:30	1.00	1.50	Finish circulating down casing , total pumped 20m3 . Rig down pump lines .
08:30	10:30	2.00	3.50	Pull and lay down 6 - joint's onto pipe racks , continue pulling out of hole standing in derrick . Lay down bit and scrapper onto cat walk . Clean up work floor .
10:30	14:30	4.00	7.50	Rig in pure energy E - line truck , held safety meeting with all personal on location . Run into hole with CBL bond log , tag PBTD @ 1455.8mkb . Log from PBTD to surface . Top of cement @ 400m , finish pulling out of hole . Rig down e - line truck . Stand - by on location .
14:30	18:30	4.00	11.50	Rig in casing swab equipment , swab to rig tank . Swab casing down to 1200m . Pulled 15 - swabs and recovered 14.07m3 water . Rig down casing swab equipment .
18:30	19:00	0.50	12.00	Held safety meeting with all personal on location , turn off phones on location . Crew change .
19:00	19:30	0.50	12.50	Crew Change , held pre - job safety meeting on wireline operations . Continue running into hole with Pure Energy gun .
19:30	21:30	2.00	14.50	Run into hole with Pure Energy gun , tools failed on way into hole . Pull out of head , re - tie head . Function tool good .
21:30	23:30	2.00	16.50	Run into hole with 101mm gun , ERHSC , 17 SPM , 25 gram SDP , 60 degree phasing . Log into place @ 1421.5m - 1425mKB , fire gun . Gun @ surface , SICP @ 1,645 in 1 - hour . Rig down and release e - line truck , bleed off to vessel .
23:30	02:00	2.50	19.00	Continue monitoring pressures , shut in casing for 15 min SICP @ 631 kPa . Rig in pump line , pump 10m3 3% KCL down casing . Monitor for 15 minutes , built up to 852 kPa . Bleed off casing to vessel , pump 8m3 3% KCL water down casing . Monitor for 15 minutes , casing dead .
02:00	05:00	3.00	22.00	Run into hole with re - entry guide , 1 - joint tubing 73mm , 1 - pup joint C / W 6 holes , API pump seating nipple 57.9mm , 4 - joint's tubing , weatherford tubing anchor ( sheare @ 40,000 daN ) , 149 joint's 73mm yellow band tubing . Land tubing hanger . T.E @ 1445.58mKB , PSN @ 1434.91mKB , Tubing anchor @ 1395.79mKB .
05:00	07:00	2.00	24.00	Rig in swab equipment , swab to vessel . First swab fluid @ surface , recovered .7m3 . Continue swabbing to vessel .

**Report Fluids Summary**

Fluid	To well (m <sup>3</sup> )	From well (m <sup>3</sup> )	Cum from Well (m <sup>3</sup> )	Left to recover (m <sup>3</sup> )
Water	30.00	34.07	34.07	-4.07

**Perforations**

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
2/24/2010	Sulphur Point, Original Hole	1,421.50	1,425.00	

**Tubing Components**

Item Description	Top (mKB)

**Casing Strings**

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	J-55	35.716	377.00
Production	J-55	20.834	1,473.00



## Daily Completion and Workover

**PARA ET AL CAMERON M-74**

**Rig:**

**Business Unit: NE BC & NWT COU**

Report Date: 2/23/2010

Report #: 1.0

Total AFE Amount:

AFE Number:

Daily Cost Total: 37,869

Cum Cost to Date: 37,869

API/UWI 300M746010117150	Surface Legal Location 300M74601011715	Field Name Cameron Hills	License No. 2063
Well Configuration Type VERT	Casing Flange Elevation (m) 778.16	Ground Elevation (m) 777.93	Original KB Elevation (m) 782.13
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

**Objective**

Evaluate Sulphur Point Dolomite as oil well .

**Operations Summary**

Finished swabbing on H - 06 , move rig and equipment to M - 74 . Rig up rig and equipment .

**Operations Next Report Period**

Pull out of hole bit and scrapper

Road Condition good	Weather Cloudy	Start Date 2/23/2010	End Date
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**Daily Contacts**

Title		Job Contact	Mobile
P Enginer	Dick Heenan	403 818 - 4408	
Consultant	Kim MacLeod	780 542 - 1897	
Rig Manager	Dwayne Palmer	403 357 - 6841	

**Time Log**

Start Time	End Time	Dur (hrs)	Cum Dur (hrs)	Comment
19:00	19:30	0.50	0.50	Crew change , held pre - job safety meeting on rigging in steam lines to well head . Walk around equipment . Bubble test on surface casing vent good .
19:30	21:00	1.50	2.00	Finish spotting rig equipment on location , spot rig mats with picker . Stand 2 - 60m3 tanks with bed truck .
21:00	23:00	2.00	4.00	Rig in rig , pump , tank and boiler . Stump test class III BOP stack , good test .
23:00	01:00	2.00	6.00	Nipple down well head , nipple up class III BOP stack . Function and pressure test , good test . Rig in work floor and tubing equipment .
01:00	06:00	5.00	11.00	Make up on cat walk 139.7mm scrapper and 120mm bit , run into hole with bit and scrapper , 1157 - joint's yellow band tubing . Tally and drift on way into hole . Tag @ 1455.93mKB .
06:00	07:00	1.00	12.00	Rig up pump lines to well head , pressure test lines . Reverse circulate down casing tubing returns to rig tank . Crew change

**Report Fluids Summary**

Fluid	To well (m <sup>3</sup> )	From well (m <sup>3</sup> )	Cum from Well (m <sup>3</sup> )	Left to recover (m <sup>3</sup> )
Water	0.00	0.00	0.00	0.00

**Perforations**

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
2/24/2010	Sulphur Point, Original Hole	1,421.50	1,425.00	

**Tubing Components**

Item Description	Top (mKB)

**Casing Strings**

Casing Description	Grade	Wt (kg/m)	Set Depth (mKB)
Surface	J-55	35.716	377.00
Production	J-55	20.834	1,473.00