



## Daily Completion and Workover

### PARA ET AL CAMERON K-74

**Rig:**

**Business Unit: NW ALBERTA COU**

**Report Date: 2/16/2012**

**Report #: 1.0**

**Total AFE Amount: 218,506.00**

**AFE Number: 12N220019**

**Daily Cost Total: 36,890**

**Cum Cost to Date: 36,890**

API/UWI 300K746010117150	Surface Legal Location 60°03'40.733"117°29'27.326	Field Name Cameron Hills	License # 0001972
Well Configuration Type Horizontal	Casing Flange Elevation (m) 5.04	Ground Elevation (m) 777.60	Original KB Elevation (m) 782.64
Last Casing String	PBTB (All) (mKB) Original Hole - 1,456.00	Casing Pressure (kPa) 4,100	Tubing Pressure (kPa) 3,050

#### Objective

#### Operations Summary

HSE Report. No incidents or accidents reported. Rigged out complete on 2m-73 and moved to K-74. Moved in support equipment. Rigged in boiler complete. Secured pump jack with chain, raised rig and removed horses head. Conducted SCVF "bubble test" NO flow detected.

#### Operations Next Report Period

Complete rig in & inspection. Pull rod string and slickline tag for fill.

Road Condition Good	Weather Clear	Start Date 2/16/2012	End Date
Head Count	Personnel Total Hours (hr) 17.0	Cum Personnel Total Hours (hr) 142.00	142.00

#### Daily Contacts

Title	Job Contact	Mobile
Completions Engineer	Lisa Moffat	403 819 5017
Field Supervisor	Stephen Baggs	403 799 1005
Rig Manager	Niel McCloud	780 886 6759

#### Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Com
07:30	08:00	0.50	0.50	Held safety meeting with truckers and rig crew. Reviewed Paramount Safe Work Permit 2655. Issued Paramount SWP by operations rep Clint. Operations shut in and bleed off flowline @ k-74 location.
08:00	12:00	4.00	4.50	Loaded, moved and spotted mats, 400 bbl tanks, fuel skid, enviro bin etc. Used bed truck to spot & level boiler on matting. Rig continues to clean up/ prep to move on 2M-73 location. Completed Paramount orientation with crew change personnel.
12:00	13:00	1.00	5.50	Secured pump jack with chain and boomer. Conducted SCVF "Bubble test" NO vent flow detected. Checked well pressures 6 hr after initial shut in. TP= 3050 kPa, CP= 4,100 kPa.
13:00	14:00	1.00	6.50	Moved in and spotted rig, support unit & doghouse, pump and tank etc.
14:00	18:30	4.50	11.00	Leveled rig on mat. Raised and scoped rig. Centered over well. Clamped off rod string and removed the horse head. Moved in and unloaded 24m3 fresh water to 400 bbl tank. Moved in and spotted test equipment. Rigged in boiler complete. Completed ongoing rig inspection during rig up procedure.

#### Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water				

#### Perforations

Date	Zone	Top (mKB)	Blm (mKB)	Current Status
1/31/2008	Sulphur Point, Original Hole	1,431.00	1,434.00	Open - Flowing (1,431.00 - 1,434.00)

#### Tubing Components

Item Des	Top (mKB)
<b>Casing Strings</b>	

Csg Des	Grade	Wt/Len (kg/m)	Set Depth (mKB)
Surface	J-55	35.716	431.00
Production	J-55	20.834	1,461.00



## Daily Completion and Workover

### PARA ET AL CAMERON K-74

**Rig: Nabors**

**Business Unit: NW ALBERTA COU**

Report Date: 2/17/2012

Report #: 2.0

Total AFE Amount: 218,506.00

AFE Number: 12N220019

Daily Cost Total: 30,232

Cum Cost to Date: 67,923

API/UWI 300K746010117150	Surface Legal Location 60°03'40.733"117°29'27.326	Field Name Cameron Hills	License # 0001972
Well Configuration Type Horizontal	Casing Flange Elevation (m) 5.04	Ground Elevation (m) 777.60	Original KB Elevation (m) 782.64
Last Casing String	PBTB (All) (mKB) Original Hole - 1,456.00	Casing Pressure (kPa) 4,300	Tubing Pressure (kPa) 3,850

**Objective**  
Change bottom hole pump, reconfigure tubing string adn repair tubing leak if necessary.

#### Operations Summary

HSE Report. No incidents or accidents reported. Rigged in test equipment. Bleed well of to testers recovering 1.0m3 oil/water. Stump tested class III Bop's to low 1.4 - High 21 MPa for 15 minutes. Good test. Completed rig inspection with RM. Pressure tested tubing and BHP to 6 MPa. Good. Pulled all rods & BHP from well. Initial inspection of rods look good. RIH slickline, brushed profile and tagged Pb @ 1459 mKB.

#### Operations Next Report Period

Install & pressure test Bop's, unset anchor, pull and lay out tubing string.

Road Condition Good	Weather Clear	Start Date 2/16/2012	End Date
Head Count	12.0	Personnel Total Hours (hr) 124.00	Cum Personnel Total Hours (hr) 266.00

#### Daily Contacts

Title	Job Contact	Mobile
Completions Engineer	Lisa Moffat	403 819 5017
Field Supervisor	Stephen Baggs	403 799 1005
Rig Manager	Tony Friesen	

#### Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Comments
07:30	08:00	0.50	0.50	Daily walk around lease inspection/ LeI check. No LeI's. Serviced and started equipment. Reviewed Paramount Safe Work Permit 2657 with all personnel. Reviewed daily operations JSA's and emergency response as well.
08:00	10:30	2.50	3.00	Rigged in pump lined and remaining test equipment complete to Paramount, NEB and OH&S spec. Completed ongoing rig inspection with rig manager.
10:30	10:30		3.00	Rigged in Class III accumulator system while bleeding off well. Checked precharge and recharge times. Function tested Bop's. Change out blind ram elements. Stump tested class III Bop's to a low 1.4 - high 21 MPa for 15 minutes (pipes & blinds) 10 MPa on annular element. Good test
10:30	11:30	1.00	4.00	SICP = 4,300 kPa. Tie flow line in to well head. Pressure test to manifold and bleed down well. H2s samples taken as per Paramount flow guidelines. H2s recorded @ 1.2%. Well starts to lift fluid at 100 kPa (recovers 1.0m3 oil/water.) Shut in and prep to kill. Cumm gas flared 1.229 e3m3.
11:30	13:00	1.50	5.50	Rig in pump line to casing. Pressure test line to 10 MPa. Open valve and pump 10m3 water to well. Bleed tubing off to testers while pumping. Fill tubing (0.9m3) and pressure test BHP to 6 MPa for 10 minutes. Held solid. Bleed off and prep to pull rods.
13:00	14:00	1.00	6.50	Flow check well. Good. Unseat pump (string weight 9 dAn) and lay out polish rod. Strip on rod Bop, close ratigans and flush tubing with 1.5m3 water. Install rig floor, hand rails, etc. Prep rod tongs & install escape buggy.
14:00	18:00	4.00	10.50	Pull and hang all rods. Lay out sinker bars and BHP. Secure well with safety valve. NOTE: Initial inspection of rods show no wear on scrapers etc. Will inspect again prior to running.
18:00	19:30	1.50	12.00	Moved in IPS slickline. Held a safety meeting & RIH locating profile with 73mm brush. Cleaned profile and tagged Pb @ 1459 mKB. POOH, secured well, RO & release IPS. Drain pump and lines. SDFN.

#### Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water	12.00	0.00	0.00	12.00

#### Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
1/31/2008	Sulphur Point, Original Hole	1,431.00	1,434.00	Open - Flowing (1,431.00 - 1,434.00)

#### Tubing Components

Item Des	Top (mKB)

#### Casing Strings

Csg Des	Grade	Wt/Len (kg/m)	Set Depth (mKB)
Surface	J-55	35.716	431.00
Production	J-55	20.834	1,461.00



## Daily Completion and Workover

### PARA ET AL CAMERON K-74

#### Rig: Nabors

#### Business Unit: NW ALBERTA COU

Report Date: 2/18/2012

Report #: 3.0

Total AFE Amount: 218,506.00

AFE Number: 12N220019

Daily Cost Total: 45,342

Cum Cost to Date: 113,265

API/UWI 300K746010117150	Surface Legal Location 60°03'40.733"117°29'27.326	Field Name Cameron Hills	License # 0001972
Well Configuration Type Horizontal	Casing Flange Elevation (m) 5.04	Ground Elevation (m) 777.60	Original KB Elevation (m) 782.64
Last Casing String	PBTID (All) (mKB) Original Hole - 1,456.00	Casing Pressure (kPa) 3,050	Tubing Pressure (kPa) 0

Objective  
Change bottom hole pump, reconfigure tubing string and repair tubing leak if necessary.

#### Operations Summary

HSE Report. No incidents or accidents reported. Killed well, removed pumping well head. Installed landing jt & 2' pup, Installed and pressure tested class III Bop's to 21 MPa. Pulled and lay out all tubular's. RIH new PSN, 5jts, new 139mm anchor and 15jts 73mm tubing.

#### Operations Next Report Period

Continue to RIH, remove Bop's and install well head.

Road Condition Good	Weather Clear	Start Date 2/16/2012	End Date
Head Count	12.0	Personnel Total Hours (hr) 124.00	Cum Personnel Total Hours (hr) 390.00

#### Daily Contacts

Title	Job Contact	Mobile
Completions Engineer	Lisa Moffat	403 819 5017
Field Supervisor	Stephen Baggs	403 799 1005
Rig Manager	Tony Friesen	

#### Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Com
07:30	08:00	0.50	0.50	Conducted daily walk around lease inspection. Found a small propane leak due to colder overnight temperatures. Tighten fitting to repair. No Le's recorded. Reviewed contractors JSA's regarding daily operations. Discussed H2s and hazards involved in removal of well head.
08:00	10:30	2.50	3.00	Masked up and recorded morning pressures. Tubing slight blow, casing @ 3050 kPa. Rig in test line to casing and bleed off to flare. No measurable gas flared. Pumped 3m3 to tubing, 7m3 to casing, break down flowline and removed 3k pumping well head. Installed 73mm landing jt with safety valve.
10:30	11:00	0.50	3.50	Flow check well. Good. Continue to trickle down casing while removing lag screws. Hoist string (18 dAn) and continue to pull over to facilitate shallow slips (29 dAn) install 2' pup and re-land tubing hangar.
11:00	11:30	0.50	4.00	Strip Class III Bop's ovee landing jt. Tighten down studs & prep to pressure test.
11:30	12:30	1.00	5.00	Install Bop hoses, rig floor, handrails, tongs, stairs, handling equipment etc..
12:30	13:30	1.00	6.00	Pressure test Class III Bop's Pipe rams to a low 1.4 MPa, high of 21 MPa for 15 minutes. Good test. Good seal on ring as well. Test annular element to a high of 10 MPa as well. Good test. Prep to unset tubing anchor.
13:30	14:00	0.50	6.50	Hoist string to neutral (14 dAn) Install tongs and rotate tubing to release anchor. Remove tubing hanger, install stripping rubber and prep to POOH.
14:00	17:30	3.50	10.00	Continue to trickle water down casing to prevent well from venting while tripping. Pull and lay out all tubulars, anchor, PSN etc.
17:30	17:30		10.00	Made up and RIH 73mm API psn w/ re-entry collar, 5 jts 73mm tubing, 139mm tubing anchor (function at surface), 15 jts tubing. Secure well, drain pump and lines & SDFN.

#### Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water	0.00	0.00	0.00	12.00

#### Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
1/31/2008	Sulphur Point, Original Hole	1,431.00	1,434.00	Open - Flowing (1,431.00 - 1,434.00)

#### Tubing Components

Item Des	Top (mKB)

#### Casing Strings

Csg Des	Grade	Wt/Len (kg/m)	Set Depth (mKB)
Surface	J-55	35.716	431.00
Production	J-55	20.834	1,461.00



## Daily Completion and Workover

### PARA ET AL CAMERON K-74

**Rig: Nabors**

**Business Unit: NW ALBERTA COU**

**Report Date: 2/19/2012**

**Report #: 4.0**

**Total AFE Amount: 218,506.00**

**AFE Number: 12N220019**

**Daily Cost Total: 28,806**

**Cum Cost to Date: 140,837**

API/UWI 300K746010117150	Surface Legal Location 60°03'40.733"117°29'27.326	Field Name Cameron Hills	License # 0001972
Well Configuration Type Horizontal	Casing Flange Elevation (m) 5.04	Ground Elevation (m) 777.60	Original KB Elevation (m) 782.64
Last Casing String	PBTB (All) (mKB) Original Hole - 1,456.00	Casing Pressure (kPa)	Tubing Pressure (kPa) 50

**Objective**  
Change bottom hole pump, reconfigure tubing string and repair tubing leak if necessary.

**Operations Summary**

HSE Report. NO incidents or accidents reported. Continued to RIH with 73mm tubing. Landed tubing end @ 1449.58 mKB. Anchor set in 5 dAn tension. Removed BoP's and installed 3k pumping wellhead and flow line. RIH with surface tested Quinn BHP# QPRL-600, 8 sinker bars and 16 3/4" plain rods. Changed out worn collars where needed. Secured well with polish rod for night.

**Operations Next Report Period**

Continue to RIH rod string. Space out and pressure test. RO rig and equipment.

Road Condition Good	Weather Overcast	Start Date 2/16/2012	End Date
Head Count	Personnel Total Hours (hr) 12.0	124.00	Cum Personnel Total Hours (hr) 514.00

**Daily Contacts**

Title	Job Contact	Mobile
Completions Engineer	Lisa Moffat	403 819 5017
Field Supervisor	Stephen Baggs	403 799 1005
Rig Manager	Tony Friesen	

**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Com
07:30	08:00	0.50	0.50	Reviewed Contractor JSA's and Paramount Safe work permit. Discussed well kill, running of tubing, removal of Bop's and all expected daily activities. Daily walk around lease inspection/ Lel sweep. No Lel's. serviced and started equipment.
08:00	09:00	1.00	1.50	Check well for pressures. slight blow. Rig in pump line and continue to trickle to well. Warm up tongs etc and prep to continue running in hole.
09:00	14:00	5.00	6.50	Flow check well. Function BoP preventers. All good. Continue to pick up 73mm tubing off ground. (Unable to stand due to welded staircases and raised pumpjack platform.)
14:00	15:00	1.00	7.50	Install tubing hanger with 2' pup, lagging jt & safety valve. (string weight 18 dAn) Land hanger, pick up 30 cm and rotate 7 times left set. Work torque and pull over to 30 dAn. Good set. Land hanger and rig out tongs, slips, floor etc.
15:00	15:30	0.50	8.00	Bleed off accumulator system. Unbolt, strip over landing jt and rack BoP's on support unit
15:30	16:00	0.50	8.50	Hoist string and install shallow slips. Remove 2' pup jt and re-land tubing hanger. Tubing set in 5 dAn tension. 18 dAn string weight prior to tension.
16:00	17:00	1.00	9.50	Install 3k flowing well head. Install flowline etc. Tighten down well head studs.
17:00	18:00	1.00	10.50	Install rig floor, hand rails and rod handling equipment. Set torque on rod tongs. Pick up and function test new Quinn BHP QPRL-600. Good surface test.
18:00	19:30	1.50	12.00	RIH pump, 8x 38.1mm sinker bars and 16x 19.1mm plain rods. Change out rod collars as required. Secure well with polish rod. Drain pump and lines & SDFN.

**Report Fluids Summary**

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water	0.00 20.00	0.00 0.00	0.00 0.00	62.00

**Perforations**

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
1/31/2008	Sulphur Point, Original Hole	1,431.00	1,434.00	Open - Flowing (1,431.00 - 1,434.00)

**Tubing Components**

Item Des	Top (mKB)

**Casing Strings**

Csg Des	Grade	Wt/Len (kg/m)	Set Depth (mKB)
Surface	J-55	35.716	431.00
Production	J-55	20.834	1,461.00



## Daily Completion and Workover

### PARA ET AL CAMERON K-74

#### Rig: Nabors

#### Business Unit: NW ALBERTA COU

Report Date: 2/20/2012

Report #: 5.0

Total AFE Amount: 218,506.00

AFE Number: 12N220019

Daily Cost Total: 53,783

Cum Cost to Date: 189,804

API/UWI 300K746010117150	Surface Legal Location 60°03'40.733"117°29'27.326	Field Name Cameron Hills	License # 0001972
Well Configuration Type Horizontal	Casing Flange Elevation (m) 5.04	Ground Elevation (m) 777.60	Original KB Elevation (m) 782.64
Last Casing String	PBTB (All) (mKB) Original Hole - 1,456.00	Casing Pressure (kPa)	Tubing Pressure (kPa) 0

Objective Change bottom hole pump, reconfigure tubing string and repair tubing leak if necessary.
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Operations Summary HSE Report. No accidents or incidents reported. Ran pump and rods. Seated pump in PSN @ 1449.12 mKB. Pressure tested & stroke tested pump to 5 MPa. RO Nabors 414 rig and equipment. Total load fluid left to recover = 66m3.
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Operations Next Report Period Rig out boiler. Adjust horse head bridal. Move rig & equipment to A-73
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Road Condition Good	Weather Clear	Start Date 2/16/2012	End Date
Head Count	12.0	Personnel Total Hours (hr) 124.00	Cum Personnel Total Hours (hr) 638.00

Daily Contacts			
Title		Job Contact	Mobile
Completions Engineer		Lisa Moffat	403 819 5017
Field Supervisor		Stephen Baggs	403 799 1005
Rig Manager		Tony Friesen	

Time Log				Com
Start Time	End Time	Dur (hr)	Cum Dur (hr)	
07:30	08:00	0.50	0.50	Daily walk around lease inspection/ LeI check. No LeI's. Serviced and started equipment. Reviewed contractor JSA's and safe work permit with all personnel. Discussed running rods, H2s safety, pressure testing and rigging out of equipment.
08:00	13:30	5.50	6.00	Flow check well. Slight vac on both sides. Removed polish rod and stripped on rod table and Bop. Function tested Bop. Good. Continued to run rods from derrick changing out worn collars when necessary. (total of 23 collars replaced) Ran additional rods to locate PSN. Unseated and pumped 2.5m3 warm fluid to tubing. Removed rods and spaced out. Seated pump and clamped 16" off tap. Filled hole (1.4m3) and pressure tested to 6 MPa. Bleed back to 1 MPa and stroke tested pump with rig to 5 MPa. Good test, held solid. Bleed off well, sucked back on line and freeze protected top section with diesel.  NOTE: New 252 series rod rotator installed and filled with ATF New rotator pilot bushings installed (old bushings worn out, polish rod inspected with no visible damage) New V-type packing installed in pollution control stuffing box. 66 m3 kill fluid to well left to recover
13:30	15:00	1.50	7.50	Install horses head, safety clamp and rotator linkage. Run steam to pump motor to pre heat for operations.
15:00	19:30	4.50	12.00	Rig out test equipment. Rig out pump lines etc. Lay over rig and continue to prep equipment for move. Assist production operators with pump jack. Jack was pumping but was shut in for alignment to bridal. Unable to adjust at night. Will clamp off in AM and straighten as best as possible. Walking beam and settled jack are not in alignment. Secure well and SDFN.

Report Fluids Summary				
Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water	0.00 4.00	0.00 0.00		0.00 66.00

Perforations				
Date	Zone	Top (mKB)	Btm (mKB)	Current Status
1/31/2008	Sulphur Point, Original Hole	1,431.00	1,434.00	Open - Flowing (1,431.00 - 1,434.00)

Tubing Components				
Item Des		Top (mKB)		

Casing Strings				
Csg Des	Grade	Wt/Len (kg/m)	Set Depth (mKB)	
Surface	J-55	35.716	431.00	
Production	J-55	20.834	1,461.00	



## Daily Completion and Workover

### PARA ET AL CAMERON K-74

**Rig: Nabors**

**Business Unit: NW ALBERTA COU**

**Report Date: 2/21/2012**

**Report #: 6.0**

**Total AFE Amount: 218,506.00**

**AFE Number: 12N220019**

**Daily Cost Total: 5,000**

**Cum Cost to Date: 194,637**

API/UWI 300K746010117150	Surface Legal Location 60°03'40.733"117°29'27.326	Field Name Cameron Hills	License # 0001972
Well Configuration Type Horizontal	Casing Flange Elevation (m) 5.04	Ground Elevation (m) 777.60	Original KB Elevation (m) 782.64
Last Casing String	PBTB (All) (mKB) Original Hole - 1,456.00	Casing Pressure (kPa)	Tubing Pressure (kPa)

**Objective**  
Change bottom hole pump, reconfigure tubing string and repair tubing leak if necessary.

**Operations Summary**

HSE Report. Noticed 20 lb propane bottle was under tail of doghouse when extending jacks to hook up. Regulator guard on tank was bent as a result. Discussed importance of walking around equipment before working on it. Continued to rig out Nabors 414 equipment complete. Re-aligned pump jack horse head with operators. Loaded and moved all equipment of K-74 location.

**Operations Next Report Period**

NO report. Turned over to production.

Road Condition Good	Weather	Start Date 2/16/2012	End Date
Head Count	12.0	Personnel Total Hours (hr) 52.00	Cum Personnel Total Hours (hr) 690.00

**Daily Contacts**

Title	Job Contact	Mobile
Completions Engineer	Lisa Moffat	403 819 5017
Field Supervisor	Stephen Baggs	403 799 1005
Rig Manager	Tony Friesen	

**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Com
07:30	08:00	0.50	0.50	Walk around lease inspection/ Lel check. No lel's. Serviced and started equipment. Held safety meeting reviewing contractor JSA's and Paramount Safe Work Permit # 2657. Discusse rig out, rig move, rig up and emergency response procedures.
08:00	12:00	4.00	4.50	Riged out boiler & lines. Cleaned up lease of debris. Rigged out doghouse and support unit. Worked with truckers loading equipment. Worked with production operators to secure jack with chain. Set weight on stripping plate and re-align horse head & bridal to compensate for misaligned pump jack. Removed chain and started jack. Checked for tap. Good, pump not tapping. Checked for presco operation as well. All look good. Turned well over to production.

**Report Fluids Summary**

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water	0.00	0.00	0.00	66.00

**Perforations**

Date	Zone	Top (mKB)	Btm (mKB)	Current Status
1/31/2008	Sulphur Point, Original Hole	1,431.00	1,434.00	Open - Flowing (1,431.00 - 1,434.00)

**Tubing Components**

Item Des	Top (mKB)

**Casing Strings**

Csg Des	Grade	Wt/Len (kg/m)	Set Depth (mKB)
Surface	J-55	35.716	431.00
Production	J-55	20.834	1,461.00