



**Paramount**  
resources Ltd.

## Daily Completion and Workover

PARA ET AL LIARD K-29A

Rig: Savanna Well Servicing

Business Unit: NE BC & NWT COU

Report Date: 9/28/2013

Report #: 16.0

Total AFE Amount: 1,145,3

AFE Number: 13N370094

Daily Cost Total: 138,955

Cum Cost to Date: 1,812,300

API/UWI 300K296030123300	Surface Legal Location	Field Name LIARD	License # 0001861
Well Configuration Type	Casing Flange Elevation (m)	Ground Elevation (m) 409.60	Original KB Elevation (m) 418.80
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

### Objective

Suspend Nahanni interval eliminating pressure build-up. Set well up for future access to uphole intervals.

### Operations Summary

HSE Report. No incidents or accidents reported. Reviewed Safe Work Permit and contractor JSA's for operations. Loaded and hauled all remaining equipment across river via barge.

### Operations Next Report Period

No report. Turned over to construction for bridge de mob.

Road Condition Fair	Weather Clear	Start Date 9/13/2013	End Date 9/28/2013
Head Count 14.0	Personnel Total Hours (hr) 128.00	Cum Personnel Total Hours (hr) 4,948.00	

### Daily Contacts

Title	Job Contact	Mobile
Office Supervisor	Lionel Larson	587-777-4526
HSE Advisor	Milo Gloss	403-536-9852
Day Supervisor	Stephen Baggs	403-910-0347
Rig Manager	Ehren Getz	780-513-2432
Night Supervisor	Darrin Carver	403-350-1452

### Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Com.
07:00	07:15	0.25	0.25	Held safety meeting at barge landing with Total Rental truck personnel. Reviewed contractor JSA's regarding road usage, barge travel and location ERP.
07:15	18:00	10.75	11.00	Barged all remaining equipment from Paramount staging area to east side of river. Turned job over to Paramount construction rep for bridge and road access de mob. Haul rental equipment to Ft. Nelson and Grande Prairie. Job complete.

### Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water	0.00	0.00	79.00	63.50

### Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status

### Tubing Components

Item Des	Top (mKB)

### Casing Strings

Csg Des	Grade	Wt/Len (kg/m)	Set Depth (mKB)
Surface	K-55	101.195	529.00
Intermediate	L-80 Hydril 563	43.157	2,500.00



# Daily Completion and Workover

PARA ET AL LIARD K-29A

Rig: Savanna Well Servicing

Business Unit: NE BC & NWT COU

Report Date: 9/27/2013

Report #: 15.0

Total AFE Amount: 1,145,300.00

AFE Number:13N370094

Daily Cost Total: 49,478

Cum Cost to Date: 1,673,345

API/UWI 300K296030123300	Surface Legal Location	Field Name LIARD	License # 0001861
Well Configuration Type	Casing Flange Elevation (m)	Ground Elevation (m) 409.60	Original KB Elevation (m) 418.80
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

Objective  
Suspend Nahanni interval eliminating pressure build-up. Set well up for future access to uphole intervals.

Operations Summary  
HSE Report. No incidents or accidents to report. Reviewed hazard assessment and ERP for this location. Cleaned and secured K-29 lease then turned over to construction. Utilized barge in evening for 4 hrs to transport fluid haulers and rental equipment to east side of river.

Operations Next Report Period  
Haul remaining equipment across river. Construction to begin tear out of bridges. Final report.

Road Condition Fair	Weather Clear	Start Date 9/13/2013	End Date 9/28/2013
Head Count 14.0	Personnel Total Hours (hr) 128.00	Cum Personnel Total Hours (hr) 4,820.00	

Daily Contacts			
Title	Job Contact	Mobile	
Office Supervisor	Lionel Larson	587-777-4526	
HSE Advisor	Milo Gloss	403-536-9852	
Day Supervisor	Stephen Baggs	403-910-0347	
Rig Manager	Ehren Getz	780-513-2432	
Night Supervisor	Darrin Carver	403-350-1452	

Time Log				
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Com
08:00	08:15	0.25	0.25	Held safety meeting at barge landing with equipment haulers. Discussed ERP and hazards for two locations. Discussed loading procedures for barge, use of spotters when backing up and general road usage protocol.
08:15	21:00	12.75	13.00	Continue to haul remaining equipment from K-29 location to barge landing area (28km away) Utilized barge in evening for four hours to transport fluid tankers and several loads of rental equipment to east side of river. Hauled across for construction group / grader, fuel skid and highboy for bridge transport. Shut down for night @ 21:00 hrs due to nightfall and no further barge crossing able to be made.

Report Fluids Summary				
Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water	0.00	0.00	79.00	63.50

Perforations				
Date	Zone	Top (mKB)	Btm (mKB)	Current Status

Tubing Components	
Item Des	Top (mKB)

Casing Strings			
Csg Des	Grade	Wt/Len (kg/m)	Set Depth (mKB)
Surface	K-55	101.195	529.00
Intermediate	L-80 Hydril 563	43.157	2,500.00



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## Daily Completion and Workover

PARA ET AL LIARD K-29A

Rig: Savanna Well Servicing

Business Unit: NE BC & NWT COU

Report Date: 9/26/2013

Report #: 14.0

Total AFE Amount: 1,145,300.00

AFE Number:13N370094

Daily Cost Total: 50,595

Cum Cost to Date: 1,775,384

API/UWI 300K296030123300	Surface Legal Location	Field Name LIARD	License # 0001861
Well Configuration Type	Casing Flange Elevation (m)	Ground Elevation (m) 409.60	Original KB Elevation (m) 418.80
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

### Objective

Suspend Nahanni interval eliminating pressure build-up. Set well up for future access to uphole intervals.

### Operations Summary

HSE Report. No incidents or accidents to report. Reviewed ERP/ contractor JSA's for this location. Rigged out well sites and enviro combination unit. Loaded and transferred several pieces of rental equipment 28 km to barge landing lay down area.

### Operations Next Report Period

Continue to wait on barge for equipment transport

### Road Condition

Poor

### Weather

Clear

### Start Date

9/13/2013

### End Date

### Head Count

11.0

### Personnel Total Hours (hr)

88.00

### Cum Personnel Total Hours (hr)

4,928.00

### Daily Contacts

Title	Job Contact	Mobile
Office Supervisor	Lionel Larson	587-777-4526
HSE Advisor	Milo Gloss	403-536-9852
Day Supervisor	Stephen Baggs	403-910-0347
Rig Manager	Ehren Getz	780-513-2432
Night Supervisor	Darrin Carver	403-350-1452

### Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Com
08:00	08:15	0.25	0.25	Held safety meeting with truckers. Discussed loading and unloading procedures, road conditions & radio usage, use of spotters and general safety regarding demobilization of equipment.
08:15	16:00	7.75	8.00	Continue to haul rental equipment 28 km to barge landing. Moved in TNT sewage tanker and Peak energy crew. Proceeded to tear out well site plumbing and rig out combo unit  Paramount operator "Lance" and Cameron valve rep on location to do NEB suspended well annual inspections.

### Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water	0.00	0.00	79.00	63.50

### Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status

### Tubing Components

Item Des	Top (mKB)

### Casing Strings

Csg Des	Grade	Wt/Len (kg/m)	Set Depth (mKB)
Surface	K-55	101.195	529.00
Intermediate	L-80 Hydrii 563	43.157	2,500.00



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## Daily Completion and Workover

PARA ET AL LIARD K-29A

Rig: Savanna Well Servicing

Business Unit: NE BC & NWT COU

Report Date: 9/25/2013

Report #: 13.0

Total AFE Amount: 1,145,300.00

AFE Number: 13N370094

Daily Cost Total: 437,804

Cum Cost to Date: 1,722,315

API/UWI 300K296030123300	Surface Legal Location	Field Name LIARD	License # 0001861
Well Configuration Type	Casing Flange Elevation (m)	Ground Elevation (m) 409.60	Original KB Elevation (m) 418.80
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

### Objective

Suspend Nahanni interval eliminating pressure build-up. Set well up for future access to uphole intervals.

### Operations Summary

HSE reports no incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to moving equipment to barge landing in preparation to load up and move across river. Repaired 3K-29 surface casing vent tube as noted in NEB inspection. Rigged out and released all remaining rig and test equipment. Transported across river via barge. Continued to shuttle equipment down hill to barge staging area.

### Operations Next Report Period

Continue to move equipment to barge landing in preparation to move across river.

Road Condition Poor	Weather Overcast	Start Date 9/13/2013	End Date
Head Count 31.0	Personnel Total Hours (hr) 352.00	Cum Personnel Total Hours (hr) 4,840.00	

### Daily Contacts

Title	Job Contact	Mobile
Office Supervisor	Lionel Larson	587-777-4526
HSE Advisor	Milo Gloss	403-536-9852
Day Supervisor	Stephen Baggs	403-910-0347
Rig Manager	Ehren Getz	780-513-2432
Night Supervisor	Darrin Carver	403-350-1452

### Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Com
00:00	06:00	6.00	6.00	Continued to standby and wait for next barge transport across river on Wednesday Sept 25 evening.
06:00	06:30	0.50	6.50	Waited for day shift crew to arrive. Reviewed operations, turned over to day supervisor.
06:30	07:45	1.25	7.75	Waited for day shift to arrive from barge landing.
07:45	08:15	0.50	8.25	Held cross shift safety meeting with day personnel. Serviced and started equipment. Reviewed JSA's regarding equipment loading and hauling, transportation on muddy roads, wildlife on roads and emergency response for this location and barge landing location as well.
08:15	09:15	1.00	9.25	Repaired broken surface casing vent tube as noted in NEB inspection. (3K-29)
09:15	20:30	11.25	20.50	Move rig and equipment to barge landing. Used picker to move 114mm production tubing and rack on location. Placed barriers around well head with picker as well. Used tractor and picker to load 60.3 mm rental drill pipe and off load at barge staging area. Stacked mats and racked on location. Hauled test to barge staging area as well. Coordinated with barge captain and transported across river service rig, pump and tank, support unit & doghouse, rental BoP's and drill pipe, test equipment and H2s safety equipment. Shut down for night. Next equipment move Friday the 27th in the evening.

### Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water	0.00	0.00	79.00	63.50

### Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status

### Tubing Components

Item Des	Top (mKB)

### Casing Strings

Csg Des	Grade	W/Len (kg/m)	Set Depth (mKB)
Surface	K-55	101.195	529.00
Intermediate	L-80 Hydril 563	43.157	2,500.00



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## Daily Completion and Workover

PARA ET AL LIARD K-29A

Rig: Savanna Well Servicing

Business Unit: NE BC & NWT COU

Report Date: 9/24/2013

Report #: 12.0

Total AFE Amount: 1,145,300.00

AFE Number:13N370094

Daily Cost Total: 98,883

Cum Cost to Date: 1,275,002

API/UJM 300K296030123300	Surface Legal Location	Field Name LIARD	License # 0001861
Well Configuration Type	Casing Flange Elevation (m)	Ground Elevation (m) 409.60	Original KB Elevation (m) 418.80
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

### Objective

Suspend Nahanni interval eliminating pressure build-up. Set well up for future access to uphole intervals.

### Operations Summary

HSE reports no incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to wireline, explosives, pressure testing, removing bop, installing wellhead and rigging out equipment. Lay over rig and rig down Savanna 18 complete. Remove 279mm rental class III BoP and install 5K well head. Use picker & bed truck to transfer equipment of location to barge staging area.

### Operations Next Report Period

Moving equipment to barge landing in preparation to move across river Sept 25 afternoon.

Road Condition Poor	Weather Overcast/Rain	Start Date 9/13/2013	End Date
Head Count 25.0	Personnel Total Hours (hr) 300.00	Cum Personnel Total Hours (hr) 4,464.00	

### Daily Contacts

Title	Job Contact	Mobile
Office Supervisor	Lionel Larson	587-777-4526
HSE Advisor	Milo Gloss	403-536-9852
Day Supervisor	Stephen Baggs	403-910-0347
Rig Manager	Ehren Getz	780-513-2432
Night Supervisor	Darrin Carver	403-350-1452

### Time Log

Start Time	End Time	Dur. (hr)	Cum Dur. (hr)	Com
00:00	00:45	0.75	0.75	Lightly tagged liner top, logged up, correlated to previous strip pulled with gauge ring, logged into position, set plug at 1,735mKB+/- as per program, noticed a 160lb weight difference to confirm plug released from setting tool. Pulled setting tool to surface, rigged out and released wireline.
00:45	06:00	5.25	6.00	Filled casing with 0.400m3 of water, applied 14,000kpa of pressure to plug, stopped pump, isolated pressure at the wellhead, monitored pressure test for 15 minutes, good test. Bled off pressure test to the rig tank, sucked back and displaced fluid level off surface with air sucking back with the rig pump. Rigged out safety equipment, production equipment and partial rig equipment. Introduced logs into Wellview attachments for review.
06:00	06:30	0.50	6.50	Released night shift and waited for day shift crew to arrive. Reviewed operations, turned over to day supervisor.
06:30	07:45	1.25	7.75	Waited for day shift to arrive from barge landing.
07:45	08:15	0.50	8.25	Walk around lease inspection. Held safety meeting with all personnel. Reviewed contractor JSA's regarding well head installation, laying over of rig, loading and transport of equipment, road conditions etc..
08:15	10:15	2.00	10.25	Coordinated with barge captain at Paramount side staging area the loading and transport of equipment. Moved in from Ft. Nelson winch tractor, picker truck and fluid hauler. Sent accross well head crew, tong & anchor truck, snubbing unit, E- liners and Weatherford fishermen,
10:15	13:15	3.00	13.25	Met with NEB representatives Rick, Abul & Don. Conducted COAGA/ Canada Labour Code inspection for this location. Reviewed operations regarding safety and regulatory compliance. Toured location while rigging out was in progress. During tour it was noticed that surface casing vent was broken off of an adjacent well on location. This will be repaired in the AM by the service rig crew.
13:15	18:00	4.75	18.00	Lay over service rig and move off matting. Rigged out pump and tank complete. Removed rental Class III BoP from well. Installed 5k well head and tightened down studs. Secure with chains and freeze protect with diesel. Continue to rig out and haul equipment to barge staging area. Use picker and bed to stack and transport equipment to barge staging area throughout day.
18:00	18:30	0.50	18.50	Reviewed operations, turned over to night supervisor.
18:30	00:00	5.50	24.00	Standby and wait for next barge transport across river on Wednesday Sept 25 evening.

### Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water	0.00	0.00	79.00	63.50

### Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status



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**Daily Completion and Workover**

**PARA ET AL LIARD K-29A**

**Rig: Savanna Well Servicing**

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

**Report Date: 9/24/2013**

**Report #: 12.0**

**Total AFE Amount: 1,145,3**

**AFE Number: 13N370094**

**Daily Cost Total: 98,883**

**Cum Cost to Date: 1,275,002**

**Tubing Components**

Item Des	Top (mKB)

**Casing Strings**

Csg Des	Grade	W/Len (kg/m)	Set Depth (mKB)
Surface	K-55	101.195	529.00
Intermediate	L-80 Hydril 563	43.157	2,500.00



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## Daily Completion and Workover

PARA ET AL LIARD K-29A

Rig: Savanna Well Servicing

Business Unit: NE BC & NWT COU

Report Date: 9/23/2013

Report #: 11.0

Total AFE Amount: 1,145,300.00

AFE Number: 13N370094

Daily Cost Total: 180,466

Cum Cost to Date: 1,175,090

API/UWI 300K296030123300	Surface Legal Location	Field Name LIARD	License # 0001861
Well Configuration Type	Casing Flange Elevation (m)	Ground Elevation (m) 409.60	Original KB Elevation (m) 418.80
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa) 0	Tubing Pressure (kPa) 0

### Objective

Suspend Nahanni interval eliminating pressure build-up. Set well up for future access to uphole intervals.

### Operations Summary

HSE reports no incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to pulling tubing, wireline and explosives. Pulled all remaining Hydril tubing and seal assembly. Ran 146mm gauge ring to 2515 mKB. Set 10 k 177.8mm permanent Bridge Plug @ 2510 mKB. Pressure test Bp to 14 MPa. Good test.

### Operations Next Report Period

Set permanent brige plug in 244mm casing, pressure test, remove bop, install wellhead, rig out rig and equipment.

Road Condition Fair	Weather Overcast/Rain	Start Date 9/13/2013	End Date
Head Count 25.0	Personnel Total Hours (hr) 300.00	Cum Personnel Total Hours (hr) 4,164.00	

### Daily Contacts

Title	Job Contact	Mobile
Office Supervisor	Lionel Larson	587-777-4526
HSE Advisor	Milo Gloss	403-536-9852
Day Supervisor	Stephen Baggs	403-910-0347
Rig Manager	Ehren Getz	780-513-2432
Night Supervisor	Darrin Carver	403-350-1452

### Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Com
00:00	01:00	1.00	1.00	Continued to pull, lube, protect and lay down 114.3mm Hydril 563 tubing onto racks. Continued with hole fill while pulling out, noticed tubing not draining very well.
01:00	03:00	2.00	3.00	Stopped pulling tubing, rigged in circulating equipment, reverse circulated tubing volume, 20.0m3+/- @ a rate of 0.5m3/m, back to rig tank, noticed a couple shovel fulls of debris in the trough with the bottoms up and clean inhibited water from annulus to confirm bottoms up. Stopped pump, flow checked, noticed a slight over balance with the tubing continuing to trickle water to tank, forward circulated 10.0m3 of water back into tubing, stopped pump, flow checked, noticed well static. Rigged off circulating equipment and continued to pull tubing.
03:00	06:00	3.00	6.00	Continued to pull, lube, protect and lay down 114.3mm Hydril 563 tubing onto racks. Continued with hole fill while pulling out, 0.400m3/25 joints of tubing pulled. Pulled 150 joints from hole, topped up hole with 0.7m3 of water, installed full opening safety valve, left open, closed pipe rams, left annulus open to rig tank, monitored well during crew change.
06:00	06:30	0.50	6.50	Released night shift and waited for day shift crew to arrive. Reviewed operations, turned over to day supervisor.
06:30	07:45	1.25	7.75	Waited for day shift to arrive from barge landing.
07:45	08:15	0.50	8.25	Daily lel check/ lease inspection. Conduct cross shift safety meeting with all personnel. Reviewed contractor JSA's and hazard review. Discussed the continuation of pulling and laying out of tubular's. Discussed transportation of injured worker plan for this location, wireline operations, hole fill procedures etc..
08:15	12:45	4.50	12.75	Flow check well and continue to pull and lay out 114mm Hydril production liner. Pulled total of 260 jts. Lay out liner hanger seal assembly, centralizer, pups etc. Seal assembly mule shoe damaged. Sealing elements damaged as well. Secure well with blind rams. Rig out 114 mm handling equipment, casing tongs etc. Inspected perforated joint of tubing and noted that full penetration accured on only 6 of 24 shots.
12:45	13:00	0.25	13.00	Held safety meeting discussing electric line operations, hazards, concerns & procedure.
13:00	17:30	4.50	17.50	Picked up 279 mm flange and bolted to BoP's. Raised and installed 10" lubricator with line BoP. Flow checked well "Static" and opened blind rams. Ran in hole 146.5 mm gauge ring and tagged liner top @ 2515 mKB. Logged a 3 collar strip and continued to pull out of hole. Ran a 142 mm 7" expandable 10K permanent BP and set at 2510 mKB CE. Noted 180 lb weight loss at surface during detonation. Confirmed set by tagging and pulled out of hole. Close blind rams and prep for pressure test.
17:30	18:00	0.50	18.00	Filled hole (1.0) and pressure tested the bridge plug to 14 MPa for 10 minutes. Solid test. Bleed off to rig tank and shut in for handover of operations to night shift.
18:00	19:30	1.50	19.50	Waited on night crews to arrive from barge landing.



# Daily Completion and Workover

PARA ET AL LIARD K-29A

Rig: Savanna Well Servicing

Business Unit: NE BC & NWT COU

Report Date: 9/23/2013

Report #: 11.0

Total AFE Amount: 1,145,300

AFE Number: 13N370094

Daily Cost Total: 180,466

Cum Cost to Date: 1,175,090

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Com
19:30	20:00	0.50	20.00	Conducted pre-job safety meeting with all personnel on location, discussed all potential hazards and remedies. Ensured all personnel indoctrinated with Paramount 2013 safety orientation. Ensured all personnel aware of the job tasks, hazards, objectives and procedures related to the job. Discussed designated smoking areas, zero spill policies, H2S and the importance of hazard I.D. reporting and documentation. Reviewed ERP, posted with emergency contacts and directions to location from Ft. Nelson.
20:00	22:00	2.00	22.00	Made up 127mm x 15.2m of cement bailer, picked up and set in hole. Blended 0.3m3 of HPHT cement, poured into bailer, ran in hole and dumped cement onto plug set at 2,510m placing 12.5m+/- of slurry on top of plug. Surfaced bailer, noticed rope socket damaged and in need of repair.
22:00	22:45	0.75	22.75	Wireline tied new rope socket.
22:45	23:30	0.75	23.50	Made up 210.4mm gauge ring and ran in hole. Ran into and tagged liner top at 1,741mMD, correlated to actual depth of liner top at 1,744.52mKB+/-, pulled out, surface ring.
23:30	23:45	0.25	23.75	Conducted pre-arming safety meeting with all personnel on location, discussed all potential hazards and remedies. Ensured all personnel indoctrinated with Paramount 2013 safety orientation. Ensured all personnel aware of the job tasks, hazards, objectives and procedures related to the job. Discussed designated smoking areas, zero spill policies, H2S and the importance of hazard I.D. reporting and documentation. Reviewed ERP, posted with emergency contacts and directions to location from Ft. Nelson.
23:45	00:00	0.25	24.00	Made up Baker 10K x 205.8mm permanent bridge plug, witnessed a measurement of 2.8m from CCL-CE picked up plug and ran in hole.

## Report Fluids Summary

Fluid	To well (m³)	From well (m³)	Cum from Well (m³)	Left to recover (m³)
Fresh Water	0.00	0.00	79.00	63.50

## Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status

## Tubing Components

Item Des	Top (mKB)

## Casing Strings

Csg Des	Grade	Wt/Len (kg/m)	Set Depth (mKB)
Surface	K-55	101.195	529.00
Intermediate	L-80 Hydril 563	43.157	2,500.00





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## Daily Completion and Workover

PARA ET AL LIARD K-29A

Rig: Savanna Well Servicing

Business Unit: NE BC & NWT COU

Report Date: 9/19/2013

Report #: 7.0

Total AFE Amount: 1,145,300.00

AFE Number: 13N370094

Daily Cost Total: 88,625

Cum Cost to Date: 675,339

API/UWI 300K296030123300	Surface Legal Location	Field Name LIARD	License # 0001861
Well Configuration Type	Casing Flange Elevation (m)	Ground Elevation (m) 409.60	Original KB Elevation (m) 418.80
Last Casing String	PBTD (All) (mKB)	Casing Pressure (kPa)	Tubing Pressure (kPa)

### Objective

Suspend Nahanni interval eliminating pressure build-up. Set well up for future access to uphole intervals.

### Operations Summary

HSE reports no incidents or accidents reported. Held a pre-job safety meeting/hazard assessment with all personnel on location, all safety concerns discussed. Discussed the ERP procedures for this location. Discussed operations and procedures related to loading barge with remaining equipment.

### Operations Next Report Period

Road Condition Fair	Weather Cloudy	Start Date 9/13/2013	End Date
Head Count 32.0	Personnel Total Hours (hr) 384.00	Cum Personnel Total Hours (hr) 2,808.00	

### Daily Contacts

Title	Job Contact	Mobile
Office Supervisor	Lionel Larson	587-777-4526
HSE Advisor	Milo Gloss	403-536-9852
Day Supervisor	Stephen Baggs	403-910-0347
Rig Manager	Ehren Getz	780-513-2432
Night Supervisor	Darrin Carver	403-350-1452

### Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Com
00:00	06:00	6.00	6.00	Continued to standby for night operations to commence in full.
06:00	06:30	0.50	6.50	Reviewed operations, turned location over to day supervisor.

### Report Fluids Summary

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

### Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Current Status

### Tubing Components

Item Des	Top (mKB)

### Casing Strings

Csg Des	Grade	Wt/Len (kg/m)	Set Depth (mKB)
Surface	K-55	101.195	529.00
Intermediate	L-80 Hydril 563	43.157	2,500.00