

August 29, 2023

Office of the Regulator of Oil & Gas Operations
Government of the Northwest Territories
PO Box 132
Yellowknife NT X1A 2L9

Attention: Ms. Pauline de Jong
Executive Director

**Cover Letter for Cut/Cap Operation as part of the Well Abandonment
PARAMOUNT ET AL LIARD 3K-29, ACW-2022-PAR-3K-29-WID1999**

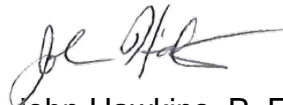
Please find attached for submission the required documents for Well Termination (Abandonment) of the 303/K-29/6030-12330/00 well, Licence # 1999

Attachments include:

1. Change of Well Status
2. Well Termination Record
3. Summary of Cut/Cap Well Operations
4. Cut/Cap Daily Reports
5. Picture of capped wellbore
6. Downhole Schematic

Non-Saline Water was placed in the wellbore as part of the suspension and no problems were encountered with this operation.

Respectfully,



John Hawkins, P. Eng.
Director Asset Management
Paramount Resources Ltd.
403-817-5074

CHANGE OF WELL STATUS

This form must be filed with the Office of the Regulator of Oil and Gas Operations within 30 days of a change in well status.

INSTRUCTIONS:

Send one electronic copy of this form by email to orogo@gov.nt.ca. If you wish to communicate with OROGO in hard copy, please do so using the courier address found at www.orogo.gov.nt.ca.

WELL INFORMATION

Well Name	PARAMOUNT ET AL LIARD 3K-29	Operator	Paramount Resources Ltd.
Well Identifier (WID)	1999	Unique Well Identifier (30xx...)	303/K-29/6030/12330/01

STATUS INFORMATION

Effective Date: August 26, 2023

Well Type: Other

If other, specify:

Well Mode: Abandoned

If other, specify:

Other: Well never produced

If other, specify: Well Suspended

Fluid Production: (choose all applicable)

Not applicable <input type="checkbox"/>	Steam <input type="checkbox"/>
Crude Oil <input type="checkbox"/>	Air <input type="checkbox"/>
Gas <input checked="" type="checkbox"/>	Carbon Dioxide <input type="checkbox"/>
Water <input type="checkbox"/>	Nitrogen <input type="checkbox"/>
Brine <input type="checkbox"/>	Liquefied Petroleum Gas <input type="checkbox"/>
Acid Gas <input type="checkbox"/>	Bitumen <input type="checkbox"/>
Solvent <input type="checkbox"/>	Other Never produced <input type="checkbox"/>

"I certify that the information provided on this form is true and correct"

Name John Hawkins

Phone (403) 817 - 5074

Title Director Asset Management

E-Mail john.hawkins@paramountres.com

Operator Paramount Resources

Signature


Responsible Officer of Company

Date August 29, 2023

WELL TERMINATION RECORD

INSTRUCTIONS:

1. Complete both pages.
2. Send one electronic copy of this form and supporting technical documentation by email to orogo@gov.nt.ca. If you wish to communicate with OROGO in hard copy, please do so using the courier address found at www.orogo.gov.nt.ca.

WELL INFORMATION

Well Name	PARAMOUNT ET AL LIARD 3K-29	Operator	Paramount Resources Ltd.
Well Type	Exploratory Well (if Other, specify _____)	Contractor	Precision Well Servicing
Well Identifier	1999	Current Well Status	Abandoned

RELATED LICENCES AND AUTHORIZATIONS

Operating Licence No.	NWT-OL-2014-014	Operations Authorization	OA - 2020-001-PAR
PRA Licence No.	Exploration Licence NWT-OL-2014-014	Approval to Alter Condition of Well	ACW - 2022-PAR-3K-29-WID1999

LOCATION INFORMATION

Coordinates Datum: NAD83 (if Other, please specify _____)

<i>Surface</i>	Lat 60 ° 2450 ' 701 "	Long 123 ° 35 ' 11.872 "
<i>Bottom Hole</i>	Lat 60 ° 27 ' 46.610 "	Long 123 ° 34 ' 15.528 "

Region: Dehcho Unit 0 Section Grid 60-30 123-30

ACTIVITY INFORMATION

Target Formation(s)	Nahanni	Field/Pool(s)	Liard / West
Elevation KB/RT	417.3 m	Ground Level / Seafloor	409.9 m
Service Rig Start Date	June 21, 2023	Total Depth	3700.0 m KB
Service Rig Release Date	July 31, 2023	Total Vertical Depth	2642.0 m KB

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing (m³)
244.5	59.31	K55	775.0	
177.8	38.7	MN-80	2912.0	

PLUGGING PROGRAM

Type of Plug	Interval (m KB)	Felt	Setting Depth (m KB)	Cementing (m ³)
Bridge	-	Yes	2669.5	
Cement	2622.5-2669.5	Yes		1.0
Cement Retainer	-	Yes	601.0	
Cement	571.0-601.0	Yes		0.1


PERFORATION

Interval (m KB)	Comments
607.0-609.0	Remedial Perfs during DH Abandonment work. Perfs were cement squeezed with 3.3m3 cement.
-	
-	
-	

OTHER

Lost Circulation/Overpressure Zones	No
Equipment Left on Site (Describe)	Wellhead/Tombstone Sign
Provision for Re-entry (Describe and attach sketch)	No
Other Downhole Completion/Suspension	Well was zonally abandoned in June/July 2023
Additional Comments	

"I certify that the information provided on this form is true and correct"

Name	John Hawkins	Phone	(403) 817 - 5074
Title	Director Asset Management	E-Mail	john.hawkins@paramountres.com
Operator	Paramount Resources Ltd.		
Signature	 Responsible Officer of Company	Date	August 29, 2023



ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD 3K-29

Well Header					
API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	Field Name Liard	License # N1999	State/Province NorthWest Territories	Well Configuration Type Deviated
Ground Elevation (m) 409.90	Casing Flange Elevation (m) 409.90	KB-Ground Distance (m) 7.40	KB-Casing Flange Distance (m) 7.40	Spud Date 1/12/2004	Rig Release Date 3/23/2004

Daily Operations

Start Date	Summary
6/21/2023	<p>HSE Summary: No incidents, accidents or spills.</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Inspect and review travel operations across Ft Laird River. - Travel to site. Review removal of surface piping and supports. Area cleared for coil and rig operations. - Unable to open (lower) ABB Vetco Gray Master Valve 130 mm x 34.5 MPa. Determine thru grease injection port on flange that there is no pressure below upper master valve. - Able to open (upper) ABB Vetco Gray Master Valve 130 mm x 34.5 MPa. - Open (2) ABB Vetco Gray 53 mm Casing Valves. Shut In casing pressure 0 KPa. - Perform SCVF Bubble test. No bubbles observed in 15 minutes. - Arrange contractors and equipment for operations. - XDI Energy (coil) units start travel from GP to Ft Nelson. - End operations for day.
6/25/2023	<p>HSE Summary: No incidents, accidents or spills. Qwest#: QW421</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Spot 60.3 mm Coil unit and pressure unit on site as OROGO, PRL and contractor rules, regulations and spacing. Rig in return line to wellhead. Rig in pressure pump line to coil reel valve. Spot matting and 45 ton picker. - Function test Quad 69 MPa BOP. Start pressure 19600 KPa. Close blind 14 sec. Close top pipe 14 sec. Close bottom pipe 14 sec. Close slips 12 sec's. Pressure 15400 KPa. Recharge time 28 sec. - Stump test Quad 34.5 MPa x Class III BOP. Pressure test pipes, blind and slip rams 1.4 MPa (low) and 35 MPa (high). Held - Remove 130 mm x 34.5 MPa Upper Wellhead. Install adapter flanges and 130 mm x 69 MPa Quad Coil BOP. - Test Quad 69 MPa Coil BOP. and surface lines against 130 - 34.5 MPa Master Valve to 1.4 MPa (low) and 28.0 MPa (high). Held each 10 minutes. - Open Valve. Pressure test 127 mm tubing and PBP at 50 mKB to 21 MPa. Held 10 min. - Check coil connector on GT-90 x 4.83 mm - 5.81 mm x 814 m of 60.3 mm coil. Pull test connector 21,000 daN. OK. Pressure test coil connector 35 MPa. Held. - Makeup inside lubricator 73 mm Dual Flapper Check Valve, 73 mm Hyd Disconnect, 73 mm Circ Sub, 73 mm Motor and Valvco 104.7 mm Tricone Bit. - Install 130 mm lubricator BOP. Pressure test bowen connections to 1.4 MPa (low) and 28 MPa (high). Held 10 min. - Held BOP drill. Review drill operations. - Run 60.3 mm coil and 104 mm Tricone Bit. Function motor at 20 mKB. Tag PBP at 50.6 mKB. Start drill 16:19 hrs. Rate 500 L/min x 8 MPa. RPM 425. Weight on bit 4000 daN. Drill to 50.8 mKB in 1 hr. Recover small metal and rubber debris. Did not mill thru PBP. No signs H2S, oil or gas. No fluid loss. - Pull out coil. Issue releasing lubricator from bowen connection on BOP - Rig down drill BHA and lubricator. Land injector in saddle. Drill bit condition is poor. - Pressure test PBP and tubing 7 MPa. Held - Clean and secure wellhead. - End report for day.
6/26/2023	<p>HSE Summary: No incidents, accidents or spills. Qwest#: QW421</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Adjust hoisting slings and shackle assembly to pick up coil injector evenly. - Cut and dress GT-90 x 4.83 mm - 5.81 mm x 810 m of 60.3 mm coil. Max pull 45,000 daN. Max weight -8000 daN. Volume 1.8 m³. Install dimple connector on coil. Pull test connector 7,000 daN and 21,000 daN. OK. - Pressure test coil connector 1.4 MPa (low) and 35 MPa (high). Held. - Makeup inside lubricator 105 mm 5 Blade Junk Mill on 73 mm Motor BHA - Install 130 mm lubricator BOP. Pressure test bowen connections to 1.4 MPa (low) and 21 MPa (high). Held 10 min each. - Open master valve. Held BOP drill. Review drill operations. - Run 60.3 mm coil and 105 mm junk Mill. Function motor at 20 mKB. Tag PBP at 51.0 mKB. Start mill 13:21 hrs. Rate 500 L/min x 9.8 MPa. RPM 425. Weight on mill 3000 daN. No signs H2S. Recover small metal and rubber debris. Mill thru PBP 14:10 hrs. Work mill from 48-52 mKB multiple times to ensure clear. - Run 60.3 mm coil with 105 mm Mill to 150 mKB while continue to circulate 300 L /m x fresh water. No signs H2S, oil, gas or fluid loss. - Pull coil with 105 mm Mill BHA to surface. Lay Down milling BHA. Inspection show mill is slightly worn but still drift. - Pressure test 127 mm tubing 7.0 MPa. Held 10 minutes. No leak - Close master valve. Rid down coil BOP. Install, clean and secure upper 130 mm x 34.5 MPa - Rig down and prepare for travel coil unit, pump unit, test unit, flare, filter station, SABA trailer and combo enviro unit. Picker stack matting and spool pieces for transport. All equipment to move to PRL 300/F-25-6030-12330/1 on 27-June-2023. - End report for day.



ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD 3K-29

Well Header					
API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	Field Name Liard	License # N1999	State/Province NorthWest Territories	Well Configuration Type Deviated
Ground Elevation (m) 409.90	Casing Flange Elevation (m) 409.90	KB-Ground Distance (m) 7.40	KB-Casing Flange Distance (m) 7.40	Spud Date 1/12/2004	Rig Release Date 3/23/2004

Daily Operations

Start Date	Summary
7/2/2023	<p>HSE Summary: No incidents, accidents or spills. Qwest#: QW421</p> <p>Operations Summary: - Barge across Ft Laird river coil unit, support unit, pressure unit and (2) trucks. All equipment start travel back to base. Hwy 77 is open for restricted travel times and escorts of equipment. - Bed truck adjust existing PRL stock (3) 8' x 40' matting for future tubing racks. - Bed truck haul Duke Fire Supression unit and (2) rental 63 m³ tanks to 300/N-80-6020-12315/0 for future rig operations. - Haul to site 60 m³ non-saline fresh water. Put in fluid in (2) rental 60 m³ tank and secure. - End report for day.</p>
7/20/2023	<p>HSE report - No accident, incidents, injury's or spills to report. Held a safety meeting and hazard assessment with all personnel on location, all safety concerns were discussed. Discussed the ERP procedures for this location. Discussed daily operations and job procedures. Performed walk around lease inspection.</p> <p>Moved PWS # 829 Service Rig, Pump & Tank, Dog House and 5 tonne up to K-29 on July-19-2023. Barge across Ft Laird River Cooper Trucking to move matting, P-Tank, 2 - 400 BBL tanks, 60.3 mm tubing, pipe racks, fire suppression unit, and loader from O-80 to K-29 location. PWS # 829 crew switching blocks over from 4 line to 6 line to pull 127 mm production tubing. Spot rig matting and catwalk/pipe racks with Picker. Rig in PWS # 829 Service rig and auxiliary equipment according to OROGO and PRL regulations. Rig in accumulator, pump and testers lines. Stump test the Class III - 5 K BOP's. SDFN.</p> <p>06:00 - WOD.</p>
7/21/2023	<p>HSE report - No accident, incidents, injury's or spills to report. Held a safety meeting and hazard assessment with all personnel on location, all safety concerns were discussed. Discussed the ERP procedures for this location. Discussed daily operations and job procedures. Performed walk around lease inspection.</p> <p>Removed wellhead and installed the Class III - 5 K BOP's. Rig in Reliance Wireline according to OROGO & PRL guidelines. Run in hole with a 101.6 mm gauge ring down to 496.0 mKB, hung up on debris, operator was doing paperwork and not paying attention to drum and back spooled line, clamp off line below lubricator, spooled off line from drum then spooled back on, took 2 hours total. Continue running in hole with gauge ring down to 2469.5 mKB, cannot go any deeper, made 5 attempts with no success, pull out of hole, junk basket has small pieces of what appears to be cement in it. Rig down and release wireline. Make up and start running in hole with the mud motor assembly on the 60.3 mm 6.99 kg/m L-80 tubing string, milling assembly at 964.8 mKB. Secure well. SDFN.</p> <p>06:00 - WOD.</p>
7/22/2023	<p>HSE report - No accident, incidents, injury's or spills to report. Held a safety meeting and hazard assessment with all personnel on location, all safety concerns were discussed. Discussed the ERP procedures for this location. Discussed daily operations and job procedures. Performed walk around lease inspection.</p> <p>Checked pressures, SITP = 0 kPa, SICP = 0 kPa. Continue running hole with the mud motor assembly on the 60.3 mm L-80 tubing string. Got milling assembly at 2108.55 mKB, gasified fluid to surface on the annular side, tie in circulating line and circulate a full bottoms up, 18 m3. Continue running in hole, tag debris top 5.5 m in on joint 258 at 2469.5 mKB, set 1 dec on it, pull back up and remove joint 258, install pack off head, install tubing swivel with anti torque head. Kick in pump and forward circulate at 0.526 L/Min at 15 MPa and start milling operations, milled through obstruction in 30 seconds, continue down and tag hard again 5 m in on joint # 258, milled through and continue down to joint # 280 at 2681.90 mKB, did not tag cement top, rig down circulating equipment. Pull up to remove circulating head and pulling over, string is 15 daN's, pull up to 30 daNs, go back down to neutral, rig in circulating equipment, circulate a full bottoms up at 0.5 m3 at 15 MPa, 20 m3, seeing lots of unset cement and what appears to be formation sand in returns, circulate 2 bottoms up and still did not clean up. Rig down circulating equipment and remove pack off head. Pull out of the hole with the 60.3 mm L-80 and milling BHA, pull one joint and tubing not draining, heavy on the backside, drop 19 mm ball and pump 5.4 m3 tubing volume and pressure up to 24 MPa to blow drain, good. Pull out of the hole with the 60.3 mm L-80 tubing and milling BHA as previously run, close and lock blind rams, secure well. SDFN.</p> <p>06:00 - WOD.</p>

ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD 3K-29

Well Header					
API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	Field Name Liard	License # N1999	State/Province NorthWest Territories	Well Configuration Type Deviated
Ground Elevation (m) 409.90	Casing Flange Elevation (m) 409.90	KB-Ground Distance (m) 7.40	KB-Casing Flange Distance (m) 7.40	Spud Date 1/12/2004	Rig Release Date 3/23/2004

Daily Operations

Start Date	Summary
7/23/2023	<p>HSE report - No accident, incidents, injury's or spills to report. Held a safety meeting and hazard assessment with all personnel on location, all safety concerns were discussed. Discussed the ERP procedures for this location. Discussed daily operations and job procedures. Performed walk around lease inspection.</p> <p>Check pressures, SICP = 0 kPa. Rig in Reliance Wireline according to OROGO & PRL guidelines. Run in hole with a 101.6 mm gauge ring down to 2672.3 mKB, log a 50 m strip up, pull out of hole. Change handling equipment over to 3.5" elevators and 5" pipe rams. Pressure test rams and seals to a low of 1 MPa and to a high of 35 MPa for 10 minutes, good. Run cable thru spear assembly. Hold tailgate meeting prior arming jet cutter. Run jet cutter down to 60.0 mKB, lower the spear into hanger, spear is 109 mm Nominal, 107 mm minimum, attempt to spear into hanger, tagging up on top of hanger with barbs, try to work spear into tubing hanger, can only get in 2 barbs on grapple, flush hanger with 0.250 L of fresh water and try again, same result, keep trying to work spear into hanger, worked for 2 hours without success. Pull jet cutter back out of hole and disarm, close and lock blind rams, secure well. SDFN.</p> <p>Note: Dan's Oilfield will source out a 4.27 " Max Grab spear, 4.173 mm nominal, with a minimum catch of 4.073 " and have in on location for morning.</p> <p>06:00 - WOD.</p>
7/24/2023	<p>HSE report - At 09:15 hrs, while driving on Paramount road at km 4, the Dash Power Tong 5 tonne truck slid into the bridge railing, the drive shaft was knocked off the truck and damage to undercarriage, notified Corey Thomson and George Ferguson of incident. Called the Construction Supervisor Rocky to send over Track Hoe on barge and go the km 4 to remove high centered truck and allow traffic to pass.</p> <p>Check pressure, SITP = 0 KPa. Picked up the Spear that has a 4.27 " Max Grab, 4.173 mm Nominal, with a minimum catch of 4.073 " and spear into tubing hanger and pulled to 10 daNs to test grab, good. Removed spear from tubing hanger and arm jet cutter and lower into wellbore, sting back into tubing hanger. Run in hole with a 96.4 mm Jet cutter, log cutter into position at 2670.0 mKBMD, pull string to 65 daN's, 7 over string weight, fire cutter, did not see any movement at all, pulled up to 71 daNs, max pull on pup joint on spear and no movement, suspect tubing string has debris on the backside. Pull out of the hole with cutter, spear out of hanger and lay out on catwalk, break down wireline tools. Tie in circulating lines, forward circulate down 5" casing at 0.500 m3/min at 4 MPa, pumped 4 m3 and seeing clean returns back at test vessel, pumped a total of 30 m3, seen dirty fluid but no solids in samples, then seeing clean returns back to test vessel, shut down pump. Lower spear back in below tubing hanger, pull up to 58 daN's in 5 dec increments, continue pulling up to 71 daN's, max pull on 88.9 mm pup joint. Work string up and down and pulling to 71 daN's to try and pull casing free. Worked string for 2 hours and pull free at 63 daN's, pulling free from 58 to 60 daN's, secure well. SDFN.</p> <p>06:00 - WOD.</p>
7/25/2023	<p>HSE report - No accident, incidents, injury's or spills to report. Held a safety meeting and hazard assessment with all personnel on location, all safety concerns were discussed. Discussed the ERP procedures for this location. Discussed daily operations and job procedures. Performed walk around lease inspection.</p> <p>Check pressures, SITP = 0 kPa, SICP = 0 kPa. Rig in Dash Power tongs. Start pulling out of the hole with the 127 mm tubing and lay out on pipe racks, pulled a total of 117 joints out of 209 joints. Secure well. SDFN.</p> <p>06:00 - WOD.</p>
7/26/2023	<p>HSE report - No accident, incidents, injury's or spills to report. Held a safety meeting and hazard assessment with all personnel on location, all safety concerns were discussed. Discussed the ERP procedures for this location. Discussed daily operations and job procedures. Performed walk around lease inspection.</p> <p>Check pressures, SITP = 0 kPa, SICP = 0 kPa. Continue pulling out of the hole with the 127 mm 22.32 kg/m L-80 Hydril 513 x 91 tubing joints, 208 total, 1 m of cut joint 209. Observed corrosion and pitting on the pin ends on the last 10 joints pulled. Rig in Reliance Wireline according to EROGO and PRL guidelines. Make up and run in hole with a 148 mm gauge ring down to 2670.0 mKBMD, tag fluid level at 200.0 mKB, log a strip 50 m from tag depth, pull out of hole with wireline. Make up and run in hole with a Weatherford 144.5 mm Viton 10 K PBP, tag top of cut casing at 2670.0 mKBMD, pull up half meter and set plug at 2669.5 mKBMD, observed good setting action, pull out of hole with wireline, rig down for the day. Fill hole with 4.1 m3 of fresh water and pressure test PBP to 7 MPa for 10 minutes, solid test, bleed off pressure, secure well. SDFN.</p> <p>06:00 - WOD.</p>

ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD 3K-29

Well Header					
API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	Field Name Liard	License # N1999	State/Province NorthWest Territories	Well Configuration Type Deviated
Ground Elevation (m) 409.90	Casing Flange Elevation (m) 409.90	KB-Ground Distance (m) 7.40	KB-Casing Flange Distance (m) 7.40	Spud Date 1/12/2004	Rig Release Date 3/23/2004

Daily Operations

Start Date	Summary
7/27/2023	<p>HSE report - No accident, incidents, injury's or spills to report. Held a safety meeting and hazard assessment with all personnel on location, all safety concerns were discussed. Discussed the ERP procedures for this location. Discussed daily operations and job procedures. Performed walk around lease inspection.</p> <p>Check pressure, SICP = 0 kPa. Rig Reliance Wireline back in. Run in hole with logging tool and conduct a Radial CBL-VDL-GR-CCL log c/w High Speed Overview on the way in down to PBTD at 2669.5 mKBMD, apparent cement top on high speed is 780.0 mKB, log up at 15 m/min to surface, send Log to Calgary office for interpretation. Make up and start running in hole with the 60.3 mm L-80 tubing string open ended, ran 150 joints putting tubing bottom at 1432.94 mKB, secure well. SDFN.</p> <p>06:00 - WOD.</p>
7/28/2023	<p>HSE report - No accident, incidents, injury's or spills to report. Held a safety meeting and hazard assessment with all personnel on location, all safety concerns were discussed. Discussed the ERP procedures for this location. Discussed daily operations and job procedures. Performed walk around lease inspection.</p> <p>Check pressures, SITP = 0 kPa, SICP = 0 kPa. Continue running in hole with the 60.3 mm L-80 tubing string, tag top of PBP 4.7 m in on joint # 280 at 2669.5 mKB, space out with pups putting tubing bottom 2669.0 mKB with a 1 m stick up above slips. Rig in Charger C & A unit, Cement Bulker, and Troyer Vacuum Truck according OROGO and Paramount's guidelines. Break circulation with 1 m3 of fresh water back to rig tank, shut in and pressure test surface lines to 14 MPa for 10 minutes, good. With tubing bottom at 2669.0 mKBMD, pump job as follows, pump 1 m3 of fresh water followed with 1 m3 of Charger Thermal cement slurry + additives @ 1800 kg/m3 at 0.500 L/Min and balanced it with 0.400 m3 of fresh water while maintaining 2 MPa on the backside while spotting cement plug, good, bleed off pressure, pull out of the hole slowly with 7 joints of 60.3 mm tubing and park at 2597.94 mKB. With rig pump reverse circulate the well over to fresh "Non Saline" water, 52 m3 total, estimated cement top at 2619.0 mKB. Pull an additional 3 joints putting EOT at 2559.81 mKB, close and lock pipe rams, secure well. Rig down Charger C & A unit and associated equipment. SDFN.</p> <p>06:00 - WOD.</p>
7/29/2023	<p>HSE report - No accident, incidents, injury's or spills to report. Held a safety meeting and hazard assessment with all personnel on location, all safety concerns were discussed. Discussed the ERP procedures for this location. Discussed daily operations and job procedures. Performed walk around lease inspection.</p> <p>Check pressures, SITP = 0 kPa, SICP = 0 kPa, run in hole with the 60.3 mm L-80 tubing and tag cement top 5.4 m in on joint # 275 at 2622.48 mKB, 46.5 m cement plug on top of PBP. Pull out of the hole and lay out 211 joints of 60.3 mm L-80 tubing on pipe racks. Rig in Reliance wireline, run in hole and perforate the remedial interval from 607.0 - 609.0 mKB. Kick in pump and fill hole with 3 m3 of fluid, continue pumping at 0.300 L/Min and pressure up to 5 MPa, shut down pump and monitor leak off, leaked off 1 MPa in 5 minutes, bleed off pressure, rig down wireline. Make up and run in hole with the 60.3 mm L-80 tubing string and land tubing bottom at 610.0 mKB. Rig in Charge C&A unit, mix 0.5 m3 of Enviro-Syn HCR-7000 acid along with 0.5 m3 of water, pump 1 m3 of acid and displace it with 0.2 m3 of water, shut in annulus and start squeezing acid in 100 L - 5 minute stages. Pumped 1 m3 of acid into formation, final pressure is 8 MPa, let acid soak in formation overnight. Secure well. SDFN.</p> <p>06:00 - WOD.</p>
7/30/2023	<p>HSE report - No accident, incidents, injury's or spills to report. Held a safety meeting and hazard assessment with all personnel on location, all safety concerns were discussed. Discussed the ERP procedures for this location. Discussed daily operations and job procedures. Performed walk around lease inspection.</p> <p>Check pressures, SITP = 0 kPa, SICP = Vacuum. Conduct feedrate on remedial perforations, kick in C&A pumper and bring pump up to 0.300 L/min @ 500 kPa, pumped 1 m3 total. Pull out of the hole with 64 joints of 60.3 mm L-80 tubing and rack back in the derrick. Make up and run in hole with a 130 mm cement retainer and set at 601.0 mKB. Pressure test retainer to 7 MPa for 10 minutes, good. Make up and run in hole with the stinger assembly on the 60.3 mm tubing, sting into retainer, pull to neutral and pressure test down tubing to 7 MPa for 10 minutes, good. Engage C & A pumper and pump 0.5 m3 of fresh water to conduct feedrate, seeing a feed rate of 0.05 L/min @ 9.4 MPa, bleed off pressure, shut in and pressure test surface line to 15 MPa for 10 minutes, good. Pull out of retainer and pump job as follows; Mix 1.5 m3 of Charger CHThermal 40 Blend + 1 % CHGC - 2 + 1.5 % CaCl2 @ 1700 kg/m3, pump down tubing at 0.300 L/min @ 400 kPa until 100 L above tubing bottom, shut down pump, string into retainer and pump 1.5 m3 of cement, displace with 1.1 m3 of water, start squeezing cement at a rate of 0.050 L/m at 7 MPa, with 3.03 m3 of cement away, switch to low rate pump for remaining 0.345 L of cement and flat lined at 7 MPa, hold for 10 minutes, 3.3 m3 of cement in remedial perforations, pull out of retainer and circulate 0.720 m3 of cement on top, pull 4 joints parking EOT at 566.35 mKB, back wash 2 tubing volumes back to rig tank, pull and additional 6 joints. Secure well. SDFN.</p> <p>06:00 - WOD.</p>

ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD 3K-29

Well Header					
API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	Field Name Liard	License # N1999	State/Province NorthWest Territories	Well Configuration Type Deviated
Ground Elevation (m) 409.90	Casing Flange Elevation (m) 409.90	KB-Ground Distance (m) 7.40	KB-Casing Flange Distance (m) 7.40	Spud Date 1/12/2004	Rig Release Date 3/23/2004

Daily Operations

Start Date	Summary
7/31/2023	<p>HSE Summary: No incidents, accidents or spills. ERP # QW-423.</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Run in (5) Joints Tubing 60.3 mm L-80 6.99 kg/m. Tag cement top 571 mKB with 1800 daN weight. - Pickup and lay down (1) 60.3 mm L-80 Joint Tubing. Tubing ottom 562 mKB. - Forward circulate 2.0 m³ x 500 L/min x 2.0 MPa of fresh non-saline water. Returns are fresh non-saline water. Hole is completely changed over to fresh non-saline water. - Pressure test casing and cement plugs to 7.0 MPa. Held test 10 minutes. No leak off. - Perform 15 minute SCVF Bubble test. Confirm no bubbles observed. - Pull and lay down (59) joints Tubing 60.3 mm 6.99 kg/m. Displacement of 60.3 mm tubing string drops 177.8 mm casing well bore fluid level to 25 mKB. - Rig down 178 mm x 34.65 MPa Class III BOP and tubing handling equipment. - Install Upper Wellhead assembly with Dual 130 mm x 34.5 MPa Master Valves. Clean and secure wellhead. Remove valve handles. - Rig out PWS # 829 and support equipment. - Move equipment on site to PRL 302/K-29-6030-12330/2 - End of report for day.
8/26/2023	<p>HSE Summary: No incident, accidents, or spills.</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Load and travel track hoe to site. - No visible bubbles around wellhead. Swept area and around wellhead for LEL. None detected. Test Production Casing and Surface Casing for LEL. None detected. - Confirm no existence of underground lines near well centre. - Track hoe dig bell hole around wellhead to depth of 4.0 m. Ensure proper slopping, stairway exit and spoil pile spacing from bell hole. - Cut away 3.3 m (11.0 mKB) of 508 mm conductor. Cement between conductor and surface casing. Cut window in 244.5 mm Surface Casing and 177.8 mm Production Casing. - No surface cement between Surface Casing and Production Casing. Cut 177.8 mm Production Casing, 3.3 m (10.8 mKB) and Surface Casing at 3.5 m (10.9 mKB) depth below surface casing flange. - Remove wellhead from bell hole. Stitch (vent) weld 6.3 mm plate on top of Production Casing and Surface Casing. Weld write 3K-29 / 1999 on 177.8 mm Production Casing cap. - Back fill and tamp bell hole with track hoe. Track hoe blew hydraulic hose. Wait 1 hour for mechanic. Unable to field repair. No spare hydraulic hose. Finish leveling and slopping bell hole with loader. Track hoe to be changed out for further operations. - Install (orange) Tombstone Surface Marker onto 73 mm pipe. Pipe is anchored and located 1.0 m x North of well centre. Weld write on tombstone marker N1999 + Paramount Res Ltd + 60°24' 50.701" N + 123° 35' 11.872" W + NAD 83 - Job completed.



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 6/21/2023
Report #: 1

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status

Job Information / AFE	
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.	
Target Formation Nahanni	

Daily Pressures	
Subtype	P (kPa)
SICP	0
SITP	0

Operation Summary	
Operations Next Report Period Wait on coil operations.	
Operation at 6am Wait on daylight.	

24 Hr Operational Comments							
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	14:30	14.50	14.50	No Job Activity	PP		No activity on site.
14:30	17:00	2.50	17.00	RU/RD	PP		Inspect and review travel operations across Ft Laird River. Travel to site. Review removal of surface piping and supports. Area cleared for coil and rig operations. Unable to open (lower) ABB Vetco Gray Master Valve 5 1/8" x 34.5 MPa. Determine thru grease injection port on flange that there is no pressure below upper master valve. Able to open (upper) ABB Vetco Gray Master Valve 5 1/8" x 34.5 MPa. Open (2) ABB Vetco Gray 53 mm Casing Valves. Shut In casing pressure 0 KPa. Perform SCVF Bubble test. No bubbles observed in 15 minutes. Arrange contractors and equipment for operations. XDI Energy (coil) units start travel from GP to Ft Nelson. End operations for day.
17:00	00:00	7.00	24.00	WOD	PP		Wait on daylight.



Other In Hole					
Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Retrievable Bridge Plug		155.6	3,301.50	3,302.50	
Cement Retainer		130.0	3,147.50	3,148.50	
Cement Retainer		130.0	3,630.50	3,631.50	
Tubing Plug - Permanent		108.0	2,690.00	2,691.00	
Fresh Water (Permanent)		159.0	15.00	571.00	
Bridge Plug - Permanent		159.0	2,669.04	2,669.50	7/26/2023 00:00
Thermal Cement		159.0	2,622.48	2,669.50	7/29/2023 10:00
Cement Retainer (Permanent)		130.0	601.00	601.60	7/30/2023 00:00
Fresh Water (Permanent)		159.0	601.60	2,622.48	7/30/2023 00:00
Thermal Cement		159.0	571.00	601.00	7/30/2023 00:00



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 6/21/2023
Report #: 1

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					
Other In Hole											
Des		Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date					
Steel Cap			159.5	10.80	10.85	8/26/2023 10:00					
Glacier Tile			250.0	7.40	10.80	8/26/2023 10:00					
Bill 30 Requirements (Head Count Only)											
Type					Count						
Day Shift					1						
Contractor Hours (Head Count & Hours)											
Type					Count		Reg Work Time (hr)				
Flare Permit											
Contract # C03040 A			Agreement Start Date 11/25/2020				Agreement End Date				
Flaring Volumes											
Type	Subtype	Des	Amount	Units							
		No Gas Flared									
Weather & Road Condition											
Weather			T (°C)		Road Cond						
Partly Cloudy			22		Good						

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 6/25/2023
Report #: 2

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999		
Original KB Elevation (m) 417.30			Ground Elevation (m) 409.90			Casing Flange Elevation (m) 409.90			Tubing Head Elevation (m)		Well Configuration Type Deviated	
KB-Ground Distance (m) 7.40			KB-Tubing Head Distance (m)			Total Depth (mKB) 3,700.00			PBTD (All) (mKB)			
Casing Strings												
Csg Des		Run Date		Set Depth (mKB)		Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface		2/28/2004		775.00		7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production		3/23/2004		2,912.00		7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole		3/23/2004		3,700.00		2,912.00	788.00	155.6				
Zones / Event Sequence												
Zone Name				Zone Code				Current Status				
Job Information / AFE												
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.												
Target Formation Nahanni												
Daily Pressures												
Subtype						P (kPa)						
SICP						0						
SITP						0						
Operation Summary												
Operations Next Report Period Continue to drill out 127 mm PBP at 50.8 mKB.												
Operation at 6am Wait on daylight.												
24 Hr Operational Comments												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details					
00:00	09:00	9.00	9.00	WOD	PP		Wait on daylight					
09:00	09:15	0.25	9.25	Safety Mtg	PP		Held safety and operational meeting. Discuss water way transportation hazards and controls. Review contractor and PRL JSA for operations and hazards for setup of coil operations. Discuss Injured Worker Transportation Plan and ERP. Qwest # QW421					
09:15	09:45	0.50	9.75	RU/RD	PP		Spot 60.3 mm Coil unit and pressure unit on site as OROGO, PRL and contractor rules, regulations and spacing. Rig in return line to wellhead. Rig in pressure pump line to coil reel valve. Spot matting and 45 ton picker.					
09:45	11:00	1.25	11.00	BOPS	PP		Stump function test Quad 69 MPa BOP. Start pressure 19600 KPa. Close blind rams 14 sec. Close top pipe rams 14 sec. Close bottom pipe rams 14 sec. Close slips rams 12 sec. Pressure 15400 KPa. Recharge time 28 sec.					
							Stump test Quad 34.5 MPa x Class III BOP. Pressure test upper pipe rams, lower pipe rams, blind rams and slip rams to 1.4 MPa (low) and 35 MPa (high). Held all tests 10 minutes each.					
11:00	11:30	0.50	11.50	NU/ND WH/XT	PP		Remove 130 mm x 34.5 MPa Upper Wellhead. assembly. Rusty bolts require extra time to remove.					
11:30	12:00	0.50	12.00	BOPS	PP		Install 130.1 mm x 34.5 MPa - 179.4 mm x 34.5 MPa adapter spool. Install 179.4 mm x 34.5 MPa x 130.1 mm x 69 MPa adapter spool. Install 69 MPa work spool and (prior pressure test and charted) Quad 69 MPa Coil BOP.					
12:00	12:45	0.75	12.75	BOPS	PP		Test Quad 69 MPa Coil BOP. and surface lines against 130 - 34.5 MPa Master Valve to 1.4 MPa (low) and 28.0 MPa (high). Held each 10 minutes.					
							Open Valve. Pressure test 127 mm tubing and PBP at 50 mKB to 21 MPa. Held 10 min.					
12:45	14:00	1.25	14.00	PRESS	PP		Inspect external coil connector on GT-90 x 4.83 mm - 5.81 mm x 814 m of 60.3 mm coil. Max pull 45,000 daN. Max weight -8000 daN. Volume 1.8 m³.					
							Appears connector in visual good condition. Pull test connector 21,000 daN. OK.					
							Purge coil of air with fresh water. Pressure test coil connector 35 MPa. Held test 10 minutes.					
14:00	15:00	1.00	15.00	RURDSL	PP		Makeup inside 3 joints 130 mm x 69 MPa lubricator: (1) 73 mm Dual Flapper Check Valve (1) 73 mm Hydraulic Disconnect (1) 73 mm Circulation Sub (1) 73 mm Motor (1) Valvco 104.7 mm Tri Cone Bit. S/N: 1058681					

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 6/25/2023
Report #: 2

API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	Field Name Liard	State/Province NorthWest Territories	Working Interest (%) 88.41	License # N1999
Original KB Elevation (m) 417.30	Ground Elevation (m) 409.90	Casing Flange Elevation (m) 409.90	Tubing Head Elevation (m)	Well Configuration Type Deviated	
KB-Ground Distance (m) 7.40	KB-Tubing Head Distance (m)	Total Depth (mKB) 3,700.00	PBTD (All) (mKB)		












24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
15:00	15:45	0.75	15.75	PRESS	PP		Install 130 mm lubricator BOP. Slight wind gusts causing extra time to install 130 mm x 7.5 m of lubricator. Pressure test Bowen connections to 1.4 MPa (low) and 28 MPa (high). Held 10 min.
15:45	16:00	0.25	16.00	Safety Mtg	PP		Held BOP drill. Review contractor positioning and responsibilities. - End report for day.
16:00	17:30	1.50	17.50	Milling	PP		Run in 60.3 mm coil with 104.7 mm Tri Cone Bit to 15 mKB. Perform motor function test. At 400 L/min pressure was 5.0 MPa. At 500 L/min pressure was 8.0 MPa. Test completed. Continue to run in hole 60.3 mm coil and 104.7 mm Tri Cone Bit. Tag top of PBP at 50.6 mKB. Start drilling 16:19 hrs. Pump non saline fresh water. Rate 500 L/min x 9.5 MPa. RPM 425. Weight on bit 2000 daN. No signs H2S. Recover small metal and rubber debris. No fluid loss. Drill to 50.8 mKB. Stop drill operations due to time constraints 17:15 hrs. Pull 60.3 mm coil and 104.7 mm Drill BHA to surface. Close 130 mm Master Valve.
17:30	19:45	2.25	19.75	RU/RD	PP		Issue removing lubricator from 130 mm Bowen connection on top of 69 MPa - 130 mm Quad Coil BOP. Side wind gusts binding the Bowen connection. Unable to lift injector and lubricator out of the Bowen connection. Pull to 29000 lbs. Unbolt 130 mm x Bowen adapter flange from on top of 130 mm BOP and lift lubricator of BOP. Break apart and lay down 104.7 mm Tri Cone Bit and 73 mm motor assembly. Bit inspection show excess wear on two cones. Loose bearing on two cones. Unable to reuse tri cone bit. Lay down (3) 130 mm x 69 MPa lubricator. Land injector in coil saddle for night. Install 130 mm x 69 MPa flange x 130 mm x 69 MPa Bowen adapter flange on top of 130 mm x 69 MPa BOP.
19:45	20:30	0.75	20.50	TTLY	PP		Secure wellhead and equipment for night. Contractors travel boat launch. All personal cross river via jet boat. End report for day.
20:30	00:00	3.50	24.00	WOD	PP		Wait on daylight.

6:00 Update

Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	06:30	6.50		PP		Wait on daylight.

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Retrievable Bridge Plug		155.6	3,301.50	3,302.50	
Cement Retainer		130.0	3,147.50	3,148.50	
Cement Retainer		130.0	3,630.50	3,631.50	
Tubing Plug - Permanent		108.0	2,690.00	2,691.00	
Fresh Water (Permanent)		159.0	15.00	571.00	
Bridge Plug - Permanent		159.0	2,669.04	2,669.50	7/26/2023 00:00
Thermal Cement		159.0	2,622.48	2,669.50	7/29/2023 10:00
Cement Retainer (Permanent)		130.0	601.00	601.60	7/30/2023 00:00
Fresh Water (Permanent)		159.0	601.60	2,622.48	7/30/2023 00:00
Thermal Cement		159.0	571.00	601.00	7/30/2023 00:00
Steel Cap		159.5	10.80	10.85	8/26/2023 10:00
Glacier Tile		250.0	7.40	10.80	8/26/2023 10:00

Bill 30 Requirements (Head Count Only)

Type	Count
Day Shift	1

Contractor Hours (Head Count & Hours)

Type	Count	Reg Work Time (hr)



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29

Pad: L-29/6030-12330

Business Unit: Central and Other

Rig: Precision Well Servicing 829

Report Date: 6/25/2023

Report #: 2

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBSD (All) (mKB)					
Flare Permit											
Contract # C03040 A				Agreement Start Date 11/25/2020				Agreement End Date			
Flaring Volumes											
Type		Subtype		Des		Amount		Units			
				No Gas Flared							
Report Fluids Summary											
Fluid		Cum to Lease (m³)		Cum fm lease (m³)		Lease Bal (m³)		Cum to Well (m³)		Cum from Well (m³)	
Water		45.00				45.00					
Weather & Road Condition											
Weather				T (°C)				Road Cond			
Partly Cloudy				23				Good			



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 6/26/2023
Report #: 3

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status

Job Information / AFE	
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.	
Target Formation Nahanni	

Daily Pressures	
Subtype	P (kPa)
SICP	0
SITP	0

Operation Summary	
Operations Next Report Period Wait for service rig operations.	
Operation at 6am Wait on daylight.	

24 Hr Operational Comments							
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	06:30	6.50	6.50	WOD	PP		Wait on daylight.
06:30	06:45	0.25	6.75	Safety Mtg	PP		Held safety and operational meeting. Discuss water way transportation hazards and controls. Ensure all contractor wearing life vest.
06:45	07:30	0.75	7.50	TTLY	PP		All personal cross river via jet boat. Travel to site.
07:30	08:00	0.50	8.00	Safety Mtg	PP		Held safety and operational meeting. Review contractor and PRL JSA for operations and hazards for setup of coil operaitons. Discuss Injured Worker Transportation Plan and ERP. QWEST # QW421
08:00	10:00	2.00	10.00	Rig Serv	PP		Adjust hoisting slings and shackle assembly to pick up coil injector evenly.
10:00	12:30	2.50	12.50	RU/RD	PP		Cut and dress GT-90 x 4.83 mm - 5.81 mm x 810 m of 60.3 mm coil. Max pull 45,000 daN. Max weight -8000 daN. Volume 1.8 m³. Install dimple connector on coil. Pull test connector 7,000 daN and 21,000 daN. OK. Pressure test coil connector 1.4 MPa (low) and 35 MPa (high). Held. Makeup inside lubricator 105 mm 5 Blade Junk Mill on 73 mm Motor BHA Install 130 mm lubricator BOP. Pressure test bowen connections to 1.4 MPa (low) and 21 MPa (high). Held 10 min each. Stab lubriactor on BOP. Secure injector.
12:30	13:00	0.50	13.00	PRESS	PP		Pressure test lubricator and surface line 1.4 MPa (low) and 21 Mpa (high). held each test 10 minutes.
13:00	13:15	0.25	13.25	Safety Mtg	PP		Open master valve. Held BOP drill. Review drill operations.

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829













Report Date: 6/26/2023
Report #: 3

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					

24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
13:15	14:45	1.50	14.75	Milling	PP		<p>Run 60.3 mm coil and 105 mm junk Mill. Function motor at 20 mKB.</p> <p>Tag PBP at 51.0 mKB. Start mill 13:21 hrs. Rate 500 L/min x 9.8 MPa. RPM 425. Weight on bit 3000 daN. No signs H2S. Recover small metal and rubber debris. Mill thru PBP 14:10 hrs x 51.3 mKB. Work mill from 48-52 mKB multiple times to ensure clear.</p> <p>Run 60.3 mm coil with 105 mm Mill to 150 mKB while continue to circulate 300 L /m x fresh water. No signs H2S, oil, gas or fluid loss</p> <p>Pull coil with 105 mm Mill BHA to surface. Lay Down milling BHA. Inspection show mill is slightly worn but still drift.</p>
14:45	15:00	0.25	15.00	PRESS	PP		Pressure test 127 mm tubing 7.0 MPa. Held 10 minutes. No leak
15:00	15:45	0.75	15.75	BOPS	PP		Rig down 130 mm x 34.5 MPa Class III BOP and adapter spools.
15:45	16:30	0.75	16.50	NU/ND WH/XT	PP		Install 130 mm x 34.5 MPa Upper Wellhead assembly. Ensure all outlets are capped. Clean and secure wellhead.
16:30	18:30	2.00	18.50	RU/RD	PP		<p>Rig down and prepare for travel coil unit, pump unit, test unit, flare, filter station, SABA trailer and combo enviro unit. Picker stack matting and spool pieces for transport. All equipment to move to PRL 300/F-25-6030-12330/1 on 27-June-2023.</p> <p>End report for day.</p>
18:30	00:00	5.50	24.00	WOD	PP		Wait on daylight.

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Retrievable Bridge Plug		155.6	3,301.50	3,302.50	
Cement Retainer		130.0	3,147.50	3,148.50	
Cement Retainer		130.0	3,630.50	3,631.50	
Tubing Plug - Permanent		108.0	2,690.00	2,691.00	
Fresh Water (Permanent)		159.0	15.00	571.00	
Bridge Plug - Permanent		159.0	2,669.04	2,669.50	7/26/2023 00:00
Thermal Cement		159.0	2,622.48	2,669.50	7/29/2023 10:00
Cement Retainer (Permanent)		130.0	601.00	601.60	7/30/2023 00:00
Fresh Water (Permanent)		159.0	601.60	2,622.48	7/30/2023 00:00
Thermal Cement		159.0	571.00	601.00	7/30/2023 00:00
Steel Cap		159.5	10.80	10.85	8/26/2023 10:00
Glacier Tile		250.0	7.40	10.80	8/26/2023 10:00

Bill 30 Requirements (Head Count Only)

Type	Count
Day Shift	1

Contractor Hours (Head Count & Hours)

Type	Count	Reg Work Time (hr)

Flare Permit

Contract # C03040 A	Agreement Start Date 11/25/2020	Agreement End Date
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Flaring Volumes

Type	Subtype	Des	Amount	Units
		No Gas Flared		

Report Fluids Summary

Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)
Water	45.00	45.00	0.00				

Weather & Road Condition

Weather	T (°C)	Road Cond
Partly Cloudy	24	Good



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/2/2023
Report #: 4

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBDT (All) (mKB)					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status

Job Information / AFE	
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.	
Target Formation Nahanni	

Daily Pressures	
Subtype	P (kPa)
SICP	0
SITP	0

Operation Summary	
Operations Next Report Period Wait for service rig operations.	
Operation at 6am Wait for service rig operations	

24 Hr Operational Comments							
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	06:30	6.50	6.50	WOD	PP		Wait on daylight.
06:30	06:45	0.25	6.75	Safety Mtg	PP		Held safety and operational meeting. Discuss water way transportation hazards and controls. Ensure all contractor wearing life vest.
06:45	07:30	0.75	7.50	TTLY	PP		All personal cross river via jet boat. Travel to site.
07:30	08:00	0.50	8.00	Safety Mtg	PP		Held safety and operational meeting. Review contractor and PRL JSA for operations and hazards for setup of coil operaitons. Discuss Injured Worker Transportation Plan and ERP. QWEST # QW421
08:00	18:30	10.50	18.50	RU/RD	PP		Barge across Ft Laird river coil unit, support unit, pressure unit and (2) trucks. All equipment start travel back to base. Hwy 77 is open for restricted travel times and escorts of equipment. Bed truck adjust existing PRL stock (3) 8' x 40' matting for future tubing racks. Bed truck haul Duke Fire Supression unit and (2) rental 63 m³ tanks to 300/N-80-6020-12315/0 for future rig operations. Haul to site 60 m³ non-saline fresh water. Put in fluid in (2) rental 60 m³ tank and secure. End report for day.
18:30	00:00	5.50	24.00	WOD	PP		Wait on daylight.

Other In Hole					
Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Retrievable Bridge Plug		155.6	3,301.50	3,302.50	
Cement Retainer		130.0	3,147.50	3,148.50	
Cement Retainer		130.0	3,630.50	3,631.50	
Tubing Plug - Permanent		108.0	2,690.00	2,691.00	
Fresh Water (Permanent)		159.0	15.00	571.00	
Bridge Plug - Permanent		159.0	2,669.04	2,669.50	7/26/2023 00:00
Thermal Cement		159.0	2,622.48	2,669.50	7/29/2023 10:00
Cement Retainer (Permanent)		130.0	601.00	601.60	7/30/2023 00:00
Fresh Water (Permanent)		159.0	601.60	2,622.48	7/30/2023 00:00
Thermal Cement		159.0	571.00	601.00	7/30/2023 00:00
Steel Cap		159.5	10.80	10.85	8/26/2023 10:00



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/2/2023
Report #: 4

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					
Other In Hole											
Des				Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date			
Glacier Tile					250.0	7.40	10.80	8/26/2023 10:00			
Bill 30 Requirements (Head Count Only)											
Type						Count					
Day Shift						1					
Contractor Hours (Head Count & Hours)											
Type						Count		Reg Work Time (hr)			
Flare Permit											
Contract # C03040 A				Agreement Start Date 11/25/2020				Agreement End Date			
Flaring Volumes											
Type		Subtype		Des		Amount		Units			
				No Gas Flared							
Report Fluids Summary											
Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)				
Water	105.00	45.00	60.00								
Weather & Road Condition											
Weather				T (°C)		Road Cond					
Rain				20		Good					

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29

Pad: L-29/6030-12330

Business Unit: Central and Other

Rig: Precision Well Servicing 829

Report Date: 7/20/2023

Report #: 5

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status

Job Information / AFE	
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.	
Target Formation Nahanni	

Daily Pressures	
Subtype	P (kPa)
SICP	0
SITP	0

Operation Summary	
Operations Next Report Period Install the stump tested Class III - 5 K BOP's.	
Operation at 6am WOD	

24 Hr Operational Comments							
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	08:00	8.00	8.00	WOD	PN		Wait on daylight.
08:00	08:30	0.50	8.50	Safety Mtg	PP		Held safety and operational meeting. Discuss water way transportation hazards and controls. Ensure all contractor wearing life vest. Discuss Injured Worker Transportation Plan and ERP, QWEST # QW-421
08:30	17:00	8.50	17.00	RU/RD	PP		Barge across Ft Laird River Cooper Trucking to move matting, P-Tank, 2 - 400 BBL tanks, 60.3 mm tubing, pipe racks, fire suppression unit, and loader from O-80 to K-29 location. Hold safety & Operational meeting with all personnel. Reviewed & discussed the following items, daily job objectives, proper procedures & safe-work measures for spotting equipment, potential hazards, related controls, JSA's, roles & responsibilities of crew members, D-33 plan & the ERP. Ensured that everyone understood the task at hand & the scope of today's work. Issue permit to work to Precision Well Servicing. PWS # 829 crew switching blocks over from 4 line to 6 line to pull 127 mm production tubing. Spot rig matting and catwalk/pipe racks with Picker. Rig in PWS # 829 Service rig and auxiliary equipment according to OROGO regulations. Rig in accumulator, pump and testers lines.
17:00	18:00	1.00	18.00	BOPT	PP		Check precharge pressures on N2 bottles, 1) 7000 kPa 2) 7000 kPa 3) 7000 kPa 4) 7000 kPa 5) 7000 kPa 6) 6800 kPa N2 Back-up Pressure 15500, 15500 & 15500 kPa. Accumulator start pressure, 16500 kPa. 1st function - 15500 kPa - Blind Rams - Close - 3 seconds. 2nd function - 14500 kPa - Pipe Rams - Close - 3 seconds. 3rd function - 12500 kPa - Annular - Close - 25 seconds. Stump test the Class III - 5 K BOP ram preventors to a low of 1 MPa and to a high of 35 MPa for 10 minutes each, good, pressure test the annular to 10 MPa for 10 minutes, good.
18:00	00:00	6.00	24.00	WOD	PN		Wait on daylight.

6:00 Update						
Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	08:00	8.00		PN		Wait on daylight.



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/20/2023
Report #: 5

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					
Other In Hole											
Des		Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date					
Retrievable Bridge Plug			155.6	3,301.50	3,302.50						
Cement Retainer			130.0	3,147.50	3,148.50						
Cement Retainer			130.0	3,630.50	3,631.50						
Tubing Plug - Permanent			108.0	2,690.00	2,691.00						
Fresh Water (Permanent)			159.0	15.00	571.00						
Bridge Plug - Permanent			159.0	2,669.04	2,669.50	7/26/2023 00:00					
Thermal Cement			159.0	2,622.48	2,669.50	7/29/2023 10:00					
Cement Retainer (Permanent)			130.0	601.00	601.60	7/30/2023 00:00					
Fresh Water (Permanent)			159.0	601.60	2,622.48	7/30/2023 00:00					
Thermal Cement			159.0	571.00	601.00	7/30/2023 00:00					
Steel Cap			159.5	10.80	10.85	8/26/2023 10:00					
Glacier Tile			250.0	7.40	10.80	8/26/2023 10:00					
Bill 30 Requirements (Head Count Only)											
Type						Count					
Day Shift						15					
Contractor Hours (Head Count & Hours)											
Type						Count		Reg Work Time (hr)			
Flare Permit											
Contract # C03040 A				Agreement Start Date 11/25/2020				Agreement End Date			
Flaring Volumes											
Type		Subtype		Des		Amount		Units			
				No Gas Flared							
Report Fluids Summary											
Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)				
Water	135.00	45.00	90.00								
Weather & Road Condition											
Weather			T (°C)			Road Cond					
Clear			27			Good					



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/21/2023
Report #: 6

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBSD (All) (mKB)					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status

Job Information / AFE	
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.	
Target Formation Nahanni	

Daily Pressures	
Subtype	P (kPa)
SICP	0
SITP	0

Operation Summary	
Operations Next Report Period Continue running in hole with milling assembly down to 2469.5 mKB.	
Operation at 6am WOD	

24 Hr Operational Comments							
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	08:00	8.00	8.00	WOD	PN		Wait on daylight.
08:00	08:30	0.50	8.50	SMTG	PP		Hold safety & Operational meeting with all personnel. Reviewed & discussed the following items, daily job objectives, proper procedures & safe-work measures for tripping 127 mm tubing, potential hazards, related controls, JSA's, roles & responsibilities of crew members, D-33 plan & the ERP. Ensured that everyone understood the task at hand & the scope of today's work.
08:30	10:30	2.00	10.50	BOPI	PP		Check pressures, SITP = 0 kPa, SICP = 0 kPa. Remove studs and nuts from top section, remove wellhead. Install the stump tested BOP's ensuring ring grooves are dry and clean, tighten down in sequence. Rig in work floor, handrails, and stairs.
10:30	14:00	3.50	14.00	SLine	PP		Rig in Reliance Wireline according to OROGO & PRL guidelines. Run in hole with a 101.6 mm gauge ring down to 496.0 mKB, hung up on debris, operator was doing paperwork and not paying attention to drum and back spooled line, clamp off line below lubricator, spooled off line from drum then spooled back on, took 2 hours total. Continue running in hole with gauge ring down to 2469.5 mKB, cannot go any deeper, made 5 attempts with no success, pull out of hole, junk basket has small pieces of what appears to be cement in it. Rig down and release wireline.
14:00	14:30	0.50	14.50	BOPT	PP		Change over handling equipment to 60.3 mm. Pressure test rams and seals to a low of 1 MPa and to a high of 21 MPa for 10 minutes, each, good.

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/21/2023
Report #: 6

API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	Field Name Liard	State/Province NorthWest Territories	Working Interest (%) 88.41	License # N1999
Original KB Elevation (m) 417.30	Ground Elevation (m) 409.90	Casing Flange Elevation (m) 409.90	Tubing Head Elevation (m)	Well Configuration Type Deviated	
KB-Ground Distance (m) 7.40	KB-Tubing Head Distance (m)	Total Depth (mKB) 3,700.00	PBTD (All) (mKB)		













24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
14:30	19:00	4.50	19.00	RUTB	PP		<p>Tally, Drift, Make up, and run in hole with the milling assembly on the 60.3 mm 6.99 kg/m L-80 tubing string as follows;</p> <p>105 mm x 60.3 mm PAC Pin Up, 5 Blade Carbide Insert Mill 60.3 mm PAC Box x Pin Near Bit Float Sub c/w 1F-2R Flapper Float, Ball Drifted 73.0 mm 5/6 Lobe, 4.7 Stage Mud Motor 60.3 mm PAC B x P Circulating Sub 60.3 mm PAC B x P Dual Float Sub 60.3 mm PAC Pin x 60.3 mm Box X over Sub 60.3 mm EUE x 1.85 m Pup Joint 60.3 mm 6.99 kg/m L-80 x 29 joints</p> <p>Tie in circulating line and test mud motor, circulate at 0.300 @ 2500 RPM, 0.400 @ 4000 RPM, and 0.500 L/min @ 6000 RPM, motor working good. Continue in hole with the mud motor on the 60.3 mm tubing string.</p> <p>105 mm x 60.3 mm PAC Pin Up, 5 Blade Carbide Insert Mill 60.3 mm PAC Box x Pin Near Bit Float Sub c/w 1F-2R Flapper Float, Ball Drifted 73.0 mm 5/6 Lobe, 4.7 Stage Mud Motor 60.3 mm PAC B x P Circulating Sub 60.3 mm PAC B x P Dual Float Sub 60.3 mm PAC Pin x 60.3 mm Box X over Sub 60.3 mm EUE x 1.85 m Pup Joint 60.3 mm 6.99 kg/m L-80 x 100 joints</p> <p>Set tubing in slip with milling assembly at 964.80 mKB, fill tubing with 1.9 m3 of water. Close and lock pipe rams, secure well. SDFN.</p>
19:00	00:00	5.00	24.00	WOD	PN		Wait on daylight.

6:00 Update

Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	07:30	7.50		PP		Wait on daylight.

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Retrievable Bridge Plug		155.6	3,301.50	3,302.50	
Cement Retainer		130.0	3,147.50	3,148.50	
Cement Retainer		130.0	3,630.50	3,631.50	
Tubing Plug - Permanent		108.0	2,690.00	2,691.00	
Fresh Water (Permanent)		159.0	15.00	571.00	
Bridge Plug - Permanent		159.0	2,669.04	2,669.50	7/26/2023 00:00
Thermal Cement		159.0	2,622.48	2,669.50	7/29/2023 10:00
Cement Retainer (Permanent)		130.0	601.00	601.60	7/30/2023 00:00
Fresh Water (Permanent)		159.0	601.60	2,622.48	7/30/2023 00:00
Thermal Cement		159.0	571.00	601.00	7/30/2023 00:00
Steel Cap		159.5	10.80	10.85	8/26/2023 10:00
Glacier Tile		250.0	7.40	10.80	8/26/2023 10:00

Bill 30 Requirements (Head Count Only)

Type	Count
Day Shift	15

Contractor Hours (Head Count & Hours)

Type	Count	Reg Work Time (hr)

Flare Permit

Contract # C03040 A	Agreement Start Date 11/25/2020	Agreement End Date
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Flaring Volumes

Type	Subtype	Des	Amount	Units
		No Gas Flared		



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29

Pad: L-29/6030-12330

Business Unit: Central and Other

Rig: Precision Well Servicing 829

Report Date: 7/21/2023

Report #: 6

API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	Field Name Liard	State/Province NorthWest Territories	Working Interest (%) 88.41	License # N1999
Original KB Elevation (m) 417.30	Ground Elevation (m) 409.90	Casing Flange Elevation (m) 409.90	Tubing Head Elevation (m)	Well Configuration Type Deviated	
KB-Ground Distance (m) 7.40	KB-Tubing Head Distance (m)	Total Depth (mKB) 3,700.00	PBTD (All) (mKB)		

Report Fluids Summary

Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)
Water	135.00	45.00	87.50	5.50	3.00	2.50	

Weather & Road Condition

Weather	T (°C)	Road Cond
Clear	32	Good

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/22/2023
Report #: 7

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					
Casing Strings											
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread		
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C		
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX		
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6						
Zones / Event Sequence											
Zone Name		Zone Code					Current Status				
Job Information / AFE											
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.											
Target Formation Nahanni											
Daily Pressures											
Subtype				P (kPa)							
SICP				0							
SITP				0							
Operation Summary											
Operations Next Report Period Rig in Reliance Wireline to run a 101.6 mm gauge ring.											
Operation at 6am WOD											
24 Hr Operational Comments											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details				
00:00	07:30	7.50	7.50	WOD	PP		Wait on daylight.				
07:30	08:00	0.50	8.00	SMTG	PP		Hold safety & Operational meeting with all personnel. Reviewed & discussed the following items, daily job objectives, proper procedures & safe-work measures for milling operations, potential hazards, related controls, JSA's, roles & responsibilities of crew members, D-33 plan & the ERP. Ensured that everyone understood the task at hand & the scope of today's work.				
08:00	14:30	6.50	14.50	RUTB	PP		Check pressures, SITP = 0 kPa, SICP = 0 kPa. Continue to Tally, Drift, Make up, and run in hole with the milling assembly on the 60.3 mm 6.99 kg/m L-80 tubing string as follows; 105 mm x 60.3 mm PAC Pin Up, 5 Blade Carbide Insert Mill 60.3 mm PAC Box x Pin Near Bit Float Sub c/w 1F-2R Flapper Float, Ball Drifted 73.0 mm 5/6 Lobe, 4.7 Stage Mud Motor 60.3 mm PAC B x P Circulating Sub 60.3 mm PAC B x P Dual Float Sub 60.3 mm PAC Pin x 60.3 mm Box X over Sub 60.3 mm EUE x 1.85 m Pup Joint 60.3 mm 6.99 kg/m L-80 x 220 joints Milling assembly at 2108.55 mKB, gasified fluid to surface on the annular side, tie in circulating line and circulate a full bottoms up, 18 m3. Continue running in hole, tag debris top 5.5 m in on joint 258 at 2469.5 mKB, set 1 dec on it, pull back up and remove joint 258, install pack off head, install tubing swivel with anti torque head.				
14:30	17:30	3.00	17.50	Milling	PP		Kick in pump and forward circulate at 0.526 L/Min at 15 MPa and start milling operations, milled through obstruction in 30 seconds, continue down and tag hard again 5 m in on joint # 258, milled through and continue down to joint # 280 at 2681.90 mKB, did not tag cement top, rig down circulating equipment. Pull up to remove circulating head and pulling over, string is 15 daN's, pull up to 30 daNs, go back down to neutral, rig in circulating equipment, circulate a full bottoms up at 0.5 m3 at 15 MPa, 20 m3, seeing lots of unset cement and what appears to be formation sand in returns, circulate 2 bottoms up and still did not clean up. Rig down circulating equipment and remove pack off head.				
17:30	21:00	3.50	21.00	PULT	PP		Pull out of the hole with the 60.3 mm L-80 and milling BHA, pull one joint and tubing not draining, heavy on the backside, drop 19 mm ball and pump 5.4 m3 tubing volume and pressure up to 24 MPa to blow drain, good. Pull out of the hole with the 60.3 mm L-80 tubing and milling assembly as previously run. Close and lock blind rams, secure well. SDFN.				
21:00	00:00	3.00	24.00	WOD	PN		Wait on daylight.				



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/22/2023
Report #: 7

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					

6:00 Update

Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	07:30	7.50		PN		Wait on daylight.

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Retrievable Bridge Plug		155.6	3,301.50	3,302.50	
Cement Retainer		130.0	3,147.50	3,148.50	
Cement Retainer		130.0	3,630.50	3,631.50	
Tubing Plug - Permanent		108.0	2,690.00	2,691.00	
Fresh Water (Permanent)		159.0	15.00	571.00	
Bridge Plug - Permanent		159.0	2,669.04	2,669.50	7/26/2023 00:00
Thermal Cement		159.0	2,622.48	2,669.50	7/29/2023 10:00
Cement Retainer (Permanent)		130.0	601.00	601.60	7/30/2023 00:00
Fresh Water (Permanent)		159.0	601.60	2,622.48	7/30/2023 00:00
Thermal Cement		159.0	571.00	601.00	7/30/2023 00:00
Steel Cap		159.5	10.80	10.85	8/26/2023 10:00
Glacier Tile		250.0	7.40	10.80	8/26/2023 10:00

Bill 30 Requirements (Head Count Only)

Type	Count
Day Shift	15

Contractor Hours (Head Count & Hours)

Type	Count	Reg Work Time (hr)

Flare Permit

Contract # C03040 A	Agreement Start Date 11/25/2020	Agreement End Date
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Flaring Volumes

Type	Subtype	Des	Amount	Units
		No Gas Flared		

Report Fluids Summary

Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)
Water	165.00	81.50	69.00	28.50	14.00	14.50	

Weather & Road Condition

Weather	T (°C)	Road Cond
Clear	33	Good

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29










Pad: L-29/6030-12330

Business Unit: Central and Other

Rig: Precision Well Servicing 829

Report Date: 7/23/2023

Report #: 8

API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	Field Name Liard	State/Province NorthWest Territories	Working Interest (%) 88.41	License # N1999				
Original KB Elevation (m) 417.30	Ground Elevation (m) 409.90	Casing Flange Elevation (m) 409.90	Tubing Head Elevation (m)	Well Configuration Type Deviated					
KB-Ground Distance (m) 7.40	KB-Tubing Head Distance (m)	Total Depth (mKB) 3,700.00	PBTD (All) (mKB)						
Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6				
Zones / Event Sequence									
Zone Name		Zone Code			Current Status				
Job Information / AFE									
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.									
Target Formation Nahanni									
Daily Pressures									
Subtype						P (kPa)			
SICP						0			
SITP						0			
Operation Summary									
Operations Next Report Period Spear into tubing hanger with a 4.27 " Max Grab spear, 4.173 mm nominal, with a minimum catch of 4.073 ".									
Operation at 6am WOD									
24 Hr Operational Comments									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details		
00:00	07:30	7.50	7.50	WOD	PN		Wait on daylight.		
07:30	08:00	0.50	8.00	SMTG	PP		Hold safety & Operational meeting with all personnel. Reviewed & discussed the following items, daily job objectives, proper procedures & safe-work measures for Wirelining operations, potential hazards, related controls, JSA's, roles & responsibilities of crew members, D-33 plan & the ERP. Ensured that everyone understood the task at hand & the scope of today's work.		
08:00	14:00	6.00	14.00	ELECL	PP		Check pressures, SICP = 0 kPa. Rig in Reliance Wireline according to OROGO & PRL guidelines. Run in hole with a 101.6 mm gauge ring down to 2672.3 mKB, log a 50 m strip up, pull out of hole. Change handling equipment over to 3.5" elevators and 5" pipe rams. Pressure test rams and seals to a low of 1 MPa and to a high of 35 MPa for 10 minutes, good. Run cable thru spear assembly. Hold tailgate meeting prior arming jet cutter. Run jet cutter down to 60.0 mKB, lower the spear into hanger, spear is 109 mm Nominal, 107 mm minimum, attempt to spear into hanger, tagging up on top of hanger with barbs, try to work spear into tubing hanger, can only get in 2 barbs on grapple, flush hanger with 0.250 L of fresh water and try again, same result, keep trying to work spear into hanger, worked for 2 hours without success. Pull jet cutter back out of hole and disarm, close and lock blind rams, secure well. SDFN.		
14:00	00:00	10.00	24.00	WOD	PN		Note: Dan's Oilfield will source out a 4.27 " Max Grab spear, 4.173 mm nominal, with a minimum catch of 4.073 " and have in on location for morning.		
6:00 Update									
Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details			
00:00	11:30	11.50		PN		Wait on daylight.			
Other In Hole									
Des		Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date			
Retrievable Bridge Plug			155.6	3,301.50	3,302.50				
Cement Retainer			130.0	3,147.50	3,148.50				
Cement Retainer			130.0	3,630.50	3,631.50				
Tubing Plug - Permanent			108.0	2,690.00	2,691.00				
Fresh Water (Permanent)			159.0	15.00	571.00				
Bridge Plug - Permanent			159.0	2,669.04	2,669.50	7/26/2023 00:00			
Thermal Cement			159.0	2,622.48	2,669.50	7/29/2023 10:00			
Cement Retainer (Permanent)			130.0	601.00	601.60	7/30/2023 00:00			
Fresh Water (Permanent)			159.0	601.60	2,622.48	7/30/2023 00:00			



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/23/2023
Report #: 8

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					
Other In Hole											
Des		Icon	OD (mm)	Top Depth (mKB)		Btm (mKB)		Run Date			
Thermal Cement			159.0	571.00		601.00		7/30/2023 00:00			
Steel Cap			159.5	10.80		10.85		8/26/2023 10:00			
Glacier Tile			250.0	7.40		10.80		8/26/2023 10:00			
Bill 30 Requirements (Head Count Only)											
Type						Count					
Day Shift						14					
Contractor Hours (Head Count & Hours)											
Type						Count		Reg Work Time (hr)			
Flare Permit											
Contract # C03040 A				Agreement Start Date 11/25/2020				Agreement End Date			
Flaring Volumes											
Type		Subtype		Des		Amount		Units			
				No Gas Flared							
Report Fluids Summary											
Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)				
Water	165.00	81.50	68.75	28.75	14.00	14.75					
Weather & Road Condition											
Weather				T (°C)		Road Cond					
Drizzle / Mist				20		Good					

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/24/2023
Report #: 9

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBSD (All) (mKB)					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status

Job Information / AFE	
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.	
Target Formation Nahanni	

Daily Pressures	
Subtype	P (kPa)
SICP	0
SITP	0

Operation Summary	
Operations Next Report Period Pull out of the hole with the 127 mm tubing.	
Operation at 6am WOD	

24 Hr Operational Comments							
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	11:30	11.50	11.50	WOD	PN		Wait on daylight.
11:30	12:00	0.50	12.00	SMTG	PP		Hold safety & Operational meeting with all personnel. Reviewed & discussed the following items, daily job objectives, proper procedures & safe-work measures for Wirelining operations, potential hazards, related controls, JSA's, roles & responsibilities of crew members, D-33 plan & the ERP. Ensured that everyone understood the task at hand & the scope of today's work. Note: Late getting across river on Jet boat due to foggy conditions. Note: At 09:15 hrs, while driving on Paramount road at km 4, the Dash Power Tong 5 tonne truck slid into the bridge railing, the drive shaft was knocked off the truck and damage to undercarriage, notified Corey Thomson and George Ferguson of incident. Called the Construction Manager Rocky to send over Track Hoe on barge and go the km 4 to remove high centered truck and allow traffic to pass.
12:00	14:00	2.00	14.00	ELECL	PP		Picked up the Spear that has a 4.27 " Max Grab, 4.173 mm Nominal, with a minimum catch of 4.073 " and spear into tubing hanger, pulled to 10 daN's to test grab, good. Removed spear from tubing hanger and arm jet cutter and lower into wellbore. Sting back into tubing hanger. Run in hole with a 96.7 mm Jet cutter, log cutter into position at 2670.0 mKBMD, pull string to 65 daN's, 7 over string weight, fire cutter, did not see any movement at all, pulled up to 71 daN's, max pull on pup joint on spear and no movement, suspect tubing string has debris on the backside. Pull out of the hole with cutter, spear out of hanger and lay out on catwalk, break down wireline tools, cutter did fire.
14:00	15:30	1.50	15.50	Circulating	PP		Tie in circulating lines, forward circulate down 5" casing at 0.500 m3/min at 4 MPa, pumped 4 m3 and seeing clean returns back at test vessel, pumped a total of 30 m3, seen dirty fluid but no solids in samples, then seeing clean returns back to test vessel, shut down pump.
15:30	18:00	2.50	18.00	PU/LD	PP		Lower spear back in below tubing hanger, pull up to 58 daN's in 5 dec increments, continue pulling up to 71 daN's, max pull on 88.9 mm pup joint. Continue to work string up and down and pulling to 71 daN's to try and pull casing free. Worked string for 2 hours and finally lets go at 63 daN's, pulling free from 58 to 60 dec's, remove spear and lay out on catwalk, close and lock blind rams, secure well. SDFN.
18:00	00:00	6.00	24.00	WOD	PN		Wait on daylight.

6:00 Update							
Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details	
00:00	07:30	7.50		PN		Wait on daylight.	



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829











Report Date: 7/24/2023
Report #: 9

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					
Other In Hole											
Des		Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date					
Retrievable Bridge Plug			155.6	3,301.50	3,302.50						
Cement Retainer			130.0	3,147.50	3,148.50						
Cement Retainer			130.0	3,630.50	3,631.50						
Tubing Plug - Permanent			108.0	2,690.00	2,691.00						
Fresh Water (Permanent)			159.0	15.00	571.00						
Bridge Plug - Permanent			159.0	2,669.04	2,669.50	7/26/2023 00:00					
Thermal Cement			159.0	2,622.48	2,669.50	7/29/2023 10:00					
Cement Retainer (Permanent)			130.0	601.00	601.60	7/30/2023 00:00					
Fresh Water (Permanent)			159.0	601.60	2,622.48	7/30/2023 00:00					
Thermal Cement			159.0	571.00	601.00	7/30/2023 00:00					
Steel Cap			159.5	10.80	10.85	8/26/2023 10:00					
Glacier Tile			250.0	7.40	10.80	8/26/2023 10:00					
Bill 30 Requirements (Head Count Only)											
Type				Count							
Day Shift				12							
Contractor Hours (Head Count & Hours)											
Type				Count		Reg Work Time (hr)					
Flare Permit											
Contract # C03040 A			Agreement Start Date 11/25/2020			Agreement End Date					
Flaring Volumes											
Type	Subtype	Des	Amount	Units							
		No Gas Flared									
Report Fluids Summary											
Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)				
Water	201.00	81.50	98.95	59.25	38.70	20.55					
Weather & Road Condition											
Weather			T (°C)		Road Cond						
Drizzle / Mist			20		Good						

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/25/2023
Report #: 10



API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					
Casing Strings											
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread		
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C		
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX		
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6						
Zones / Event Sequence											
Zone Name		Zone Code				Current Status					
Job Information / AFE											
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.											
Target Formation Nahanni											
Daily Pressures											
Subtype				P (kPa)							
SICP				0							
SITP				0							
Operation Summary											
Operations Next Report Period Continue pulling the 127 mm tubing.											
Operation at 6am WOD											
24 Hr Operational Comments											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details				
00:00	07:30	7.50	7.50	WOD	PN		Wait on daylight.				
07:30	08:00	0.50	8.00	SMTG	PP		Hold safety & Operational meeting with all personnel. Reviewed & discussed the following items, daily job objectives, proper procedures & safe-work measures for pulling 127 mm tubing, potential hazards, related controls, JSA's, roles & responsibilities of crew members, D-33 plan & the ERP. Ensured that everyone understood the task at hand & the scope of today's work.				
08:00	19:00	11.00	19.00	PU/LD	PP		Rig in Dash Power Tongs, sting back into casing with spear, pull to 58 daN's in 5 dec increments. Pull up on tubing hanger and remove same. Pull out of the hole with the 127 mm 26.78/22.32 kg/m L-80 Hydril 513 tubing as follows; 179.4 mm x 127 mm Extended Neck Tubing Hanger 127 mm Pup Joint 127 mm 26.78 kg/m L-80 Hydril 513 x 56 tubing joints 22.32 kg/m x 26.79 kg/m Hydril 513 Box L-80 X Over 127 mm 22.32 kg/m L-80 Hydril 513 x 61 tubing joints Close and lock pipe rams, secure well. SDFN.				
19:00	00:00	5.00	24.00	WOD	PN		Wait on daylight.				
6:00 Update											
Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details					
00:00	07:30	7.50			PN		Wait on daylight.				
Other In Hole											
Des			Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date				
Retrievable Bridge Plug				155.6	3,301.50	3,302.50					
Cement Retainer				130.0	3,147.50	3,148.50					
Cement Retainer				130.0	3,630.50	3,631.50					
Tubing Plug - Permanent				108.0	2,690.00	2,691.00					
Fresh Water (Permanent)				159.0	15.00	571.00					
Bridge Plug - Permanent				159.0	2,669.04	2,669.50	7/26/2023 00:00				
Thermal Cement				159.0	2,622.48	2,669.50	7/29/2023 10:00				
Cement Retainer (Permanent)				130.0	601.00	601.60	7/30/2023 00:00				
Fresh Water (Permanent)				159.0	601.60	2,622.48	7/30/2023 00:00				
Thermal Cement				159.0	571.00	601.00	7/30/2023 00:00				



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829








Report Date: 7/25/2023
Report #: 10

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					
Other In Hole											
Des		Icon		OD (mm)		Top Depth (mKB)		Btm (mKB)		Run Date	
Steel Cap				159.5		10.80		10.85		8/26/2023 10:00	
Glacier Tile				250.0		7.40		10.80		8/26/2023 10:00	
Bill 30 Requirements (Head Count Only)											
Type						Count					
Day Shift						14					
Contractor Hours (Head Count & Hours)											
Type						Count		Reg Work Time (hr)			
Flare Permit											
Contract # C03040 A				Agreement Start Date 11/25/2020				Agreement End Date			
Flaring Volumes											
Type		Subtype		Des		Amount		Units			
				No Gas Flared							
Report Fluids Summary											
Fluid		Cum to Lease (m³)		Cum fm lease (m³)		Lease Bal (m³)		Cum to Well (m³)		Cum from Well (m³)	
Water		201.00		117.50		62.95		59.25		38.70	
										Left to recover (m³)	
										20.55	
Weather & Road Condition											
Weather				T (°C)				Road Cond			
Drizzle / Mist				20				Good			

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/26/2023
Report #: 11

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999		
Original KB Elevation (m) 417.30			Ground Elevation (m) 409.90			Casing Flange Elevation (m) 409.90			Tubing Head Elevation (m)		Well Configuration Type Deviated	
KB-Ground Distance (m) 7.40			KB-Tubing Head Distance (m)			Total Depth (mKB) 3,700.00			PBTD (All) (mKB)			
Casing Strings												
Csg Des		Run Date		Set Depth (mKB)		Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface		2/28/2004		775.00		7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production		3/23/2004		2,912.00		7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole		3/23/2004		3,700.00		2,912.00	788.00	155.6				
Zones / Event Sequence												
Zone Name				Zone Code				Current Status				
Job Information / AFE												
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.												
Target Formation Nahanni												
Daily Pressures												
Subtype						P (kPa)						
SICP						0						
SITP						0						
Operation Summary												
Operations Next Report Period Run a Radial CBL-VDL-GR-CCL log from PBTD @ 2669.5 mKBMD to surface.												
Operation at 6am WOD												
24 Hr Operational Comments												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details					
00:00	07:30	7.50	7.50	WOD	PN		Wait on daylight.					
07:30	08:00	0.50	8.00	SMTG	PP		Hold safety & Operational meeting with all personnel. Reviewed & discussed the following items, daily job objectives, proper procedures & safe-work measures for pulling 127 mm tubing, potential hazards, related controls, JSA's, roles & responsibilities of crew members, D-33 plan & the ERP. Ensured that everyone understood the task at hand & the scope of today's work.					
08:00	13:30	5.50	13.50	POOH	PP		Continue pulling out of the hole with the 127 mm 22.32 kg/m L-80 Hydril 513 tubing as follows; 127 mm 22.32 kg/m L-80 Hydril 513 x 91 tubing joints, 208 total, 1 m of cut joint 209. Observed corrosion and pitting on the pin ends on the last 10 joints pulled.					
13:30	17:30	4.00	17.50	ELECL	PP		Rig in Reliance Wireline according to EROGO and PRL guidelines. Make up and run in hole with a 148 mm gauge ring down to 2670.0 mKBMD, top of cut 5" joint, tag fluid level at 200.0 mKB, log a strip 50 m from tag depth, pull out of hole with wireline. Make up and run in hole with a Weatherford 144.5 mm Viton 10 K PBP, tag top of cut casing at 2670.0 mKBMD, pull up half meter and set plug at 2669.5 mKBMD, observed good setting action, pull out of hole with wireline, rig down for the day.					
17:30	18:00	0.50	18.00	PRESS	PP		Fill hole with 4.1 m3 of fresh water and pressure test PBP to 7 MPa for 10 minutes, solid test, bleed off pressure, secure well. SDFN.					
18:00	00:00	6.00	24.00	WOD	PN		Wait on daylight.					
6:00 Update												
Start Time	End Time	Dur (hr)	Time Code		Ops Category	NPT	Operation Details					
00:00	11:00	11.00			PN		Wait on daylight. Note: Delayed start due to fog, boat could not cross river.					
Other In Hole												
Des					Icon	OD (mm)		Top Depth (mKB)		Btm (mKB)		Run Date
Retrievable Bridge Plug						155.6		3,301.50		3,302.50		
Cement Retainer						130.0		3,147.50		3,148.50		
Cement Retainer						130.0		3,630.50		3,631.50		
Tubing Plug - Permanent						108.0		2,690.00		2,691.00		
Fresh Water (Permanent)						159.0		15.00		571.00		
Bridge Plug - Permanent						159.0		2,669.04		2,669.50		7/26/2023 00:00
Thermal Cement						159.0		2,622.48		2,669.50		7/29/2023 10:00



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
 Pad: L-29/6030-12330
 Business Unit: Central and Other
 Rig: Precision Well Servicing 829










Report Date: 7/26/2023
 Report #: 11

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999					
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated							
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)									
Other In Hole															
Des		Icon		OD (mm)		Top Depth (mKB)		Btm (mKB)		Run Date					
Cement Retainer (Permanent)				130.0		601.00		601.60		7/30/2023 00:00					
Fresh Water (Permanent)				159.0		601.60		2,622.48		7/30/2023 00:00					
Thermal Cement				159.0		571.00		601.00		7/30/2023 00:00					
Steel Cap				159.5		10.80		10.85		8/26/2023 10:00					
Glacier Tile				250.0		7.40		10.80		8/26/2023 10:00					
Bill 30 Requirements (Head Count Only)															
Type						Count									
Day Shift						13									
Contractor Hours (Head Count & Hours)															
Type						Count		Reg Work Time (hr)							
Flare Permit															
Contract # C03040 A				Agreement Start Date 11/25/2020				Agreement End Date							
Flaring Volumes															
Type		Subtype		Des		Amount		Units							
				No Gas Flared											
Report Fluids Summary															
Fluid		Cum to Lease (m³)		Cum fm lease (m³)		Lease Bal (m³)		Cum to Well (m³)		Cum from Well (m³)		Left to recover (m³)		Cum Non-recov (m³)	
Water		201.00		117.50		53.85		68.35		38.70		29.65			
Weather & Road Condition															
Weather						T (°C)						Road Cond			
Rain						22						Good			

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/27/2023
Report #: 12

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999			
Original KB Elevation (m) 417.30			Ground Elevation (m) 409.90			Casing Flange Elevation (m) 409.90			Tubing Head Elevation (m)		Well Configuration Type Deviated		
KB-Ground Distance (m) 7.40			KB-Tubing Head Distance (m)			Total Depth (mKB) 3,700.00			PBTD (All) (mKB)				
Casing Strings													
Csg Des		Run Date		Set Depth (mKB)		Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread	
Surface		2/28/2004		775.00		7.40	767.60	244.5	224.3	59.527	K-55	LT&C	
Production		3/23/2004		2,912.00		7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX	
Open Hole		3/23/2004		3,700.00		2,912.00	788.00	155.6					
Zones / Event Sequence													
Zone Name				Zone Code					Current Status				
Job Information / AFE													
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.													
Target Formation Nahanni													
Daily Pressures													
Subtype						P (kPa)							
SICP						0							
Operation Summary													
Operations Next Report Period Finish running in hole with the 60.3 mm L-80 tubing down to PBTD at 2669.5 mKB. Balance 1 m3 of Thermal cement on top of PBP.													
Operation at 6am WOD													
24 Hr Operational Comments													
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details						
00:00	11:00	11.00	11.00	WOD	PN		Wait on daylight.						
							Note: Delayed start due to fog, boat could not cross river.						
11:00	11:30	0.50	11.50	SMTG	PP		Hold safety & Operational meeting with all personnel. Reviewed & discussed the following items, daily job objectives, proper procedures & safe-work measures for Wirelining Operations, potential hazards, related controls, JSA's, roles & responsibilities of crew members, D-33 plan & the ERP. Ensured that everyone understood the task at hand & the scope of today's work.						
11:30	16:00	4.50	16.00	ELECL	PP		Rig in Reliance Wireline according to EROGO and PRL guidelines. Run in hole with logging tool and conduct a Radial CBL-VDL-GR-CCL log c/w High Speed Overview on the way in down to PBTD at 2669.5 mKBMD, apparent cement top on high speed is 780.0 mKB, log up at 15 m/min to surface. Rig down Reliance Wireline, send log in Calgary office for interpretation.						
16:00	17:00	1.00	17.00	BOPT	PP		Change handling equipment over to 60.3 mm. Land tubing hanger and secure lag screws, pressure test rams and seals to a low of 1.4 MPa and to a high of 35 MPa for 10 minutes each, good, remove the tubing hanger.						
17:00	19:00	2.00	19.00	RUTB	PP		Make up and run in hole with the 60.3 mm 6.99 kg/m L-80 tubing string with collar on bottom, ran a total of 150 joints putting tubing bottom at 1432.94 mKB, close and lock pipe rams, secure well. SDFN.						
19:00	00:00	5.00	24.00	WOD	PN		Wait on daylight.						
6:00 Update													
Start Time	End Time	Dur (hr)	Time Code		Ops Category	NPT	Operation Details						
00:00	07:30	7.50			PN		Wait on daylight.						
Other In Hole													
Des				Icon		OD (mm)		Top Depth (mKB)		Btm (mKB)		Run Date	
Retrievable Bridge Plug						155.6		3,301.50		3,302.50			
Cement Retainer						130.0		3,147.50		3,148.50			
Cement Retainer						130.0		3,630.50		3,631.50			
Tubing Plug - Permanent						108.0		2,690.00		2,691.00			
Fresh Water (Permanent)						159.0		15.00		571.00			
Thermal Cement						159.0		2,622.48		2,669.50		7/29/2023 10:00	
Cement Retainer (Permanent)						130.0		601.00		601.60		7/30/2023 00:00	
Fresh Water (Permanent)						159.0		601.60		2,622.48		7/30/2023 00:00	
Thermal Cement						159.0		571.00		601.00		7/30/2023 00:00	
Steel Cap						159.5		10.80		10.85		8/26/2023 10:00	



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/27/2023
Report #: 12

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					
Other In Hole											
Des				Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date			
Glacier Tile					250.0	7.40	10.80	8/26/2023 10:00			
Bill 30 Requirements (Head Count Only)											
Type						Count					
Day Shift						15					
Contractor Hours (Head Count & Hours)											
Type						Count		Reg Work Time (hr)			
Flare Permit											
Contract # C03040 A				Agreement Start Date 11/25/2020				Agreement End Date			
Flaring Volumes											
Type		Subtype		Des		Amount		Units			
				No Gas Flared							
Report Fluids Summary											
Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)				
Water	201.00	117.50	55.35	68.85	40.70	28.15					
Weather & Road Condition											
Weather				T (°C)		Road Cond					
Overcast				21		Good					

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29









Pad: L-29/6030-12330

Business Unit: Central and Other

Rig: Precision Well Servicing 829

Report Date: 7/28/2023

Report #: 13



API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	Field Name Liard	State/Province NorthWest Territories	Working Interest (%) 88.41	License # N1999				
Original KB Elevation (m) 417.30	Ground Elevation (m) 409.90	Casing Flange Elevation (m) 409.90	Tubing Head Elevation (m)	Well Configuration Type Deviated					
KB-Ground Distance (m) 7.40	KB-Tubing Head Distance (m)	Total Depth (mKB) 3,700.00	PBTD (All) (mKB)						
Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6				
Zones / Event Sequence									
Zone Name		Zone Code			Current Status				
Job Information / AFE									
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.									
Target Formation Nahanni									
Daily Pressures									
Subtype			P (kPa)						
SICP			0						
SITP			0						
Operation Summary									
Operations Next Report Period Tag cement top, pull out of hole with the 60.3 mm L-80 tubing.									
Operation at 6am WOD									
24 Hr Operational Comments									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details		
00:00	07:30	7.50	7.50	WOD	PN		Wait on daylight.		
07:30	08:00	0.50	8.00	SMTG	PP		Hold safety & Operational meeting with all personnel. Reviewed & discussed the following items, daily job objectives, proper procedures & safe-work measures for cementing Operations, potential hazards, related controls, JSA's, roles & responsibilities of crew members, D-33 plan & the ERP. Ensured that everyone understood the task at hand & the scope of today's work.		
08:00	09:30	1.50	9.50	RUTB	PP		Continue running in hole with the 60.3 mm L-80 tubing string, tag top of PBP 4.7 m in on joint # 280 at 2669.5 mKB, space out with pups putting tubing bottom 2669.0 mKB with a 1 m stick up above slips.		
09:30	15:00	5.50	15.00	CEMT	PP		Rig in Charger C & A unit, Cement Bulker, and Troyer Vacuum Truck according OROGO and Paramount's guidelines. Break circulation with 1 m3 of fresh water back to rig tank, shut in and pressure test surface lines to 14 MPa for 10 minutes, good. With tubing bottom at 2669.0 mKBMD, pump job as follows, pump 1 m3 of fresh water followed with 1 m3 of Charger Thermal + 0.6 % CHRT-H + additives @ 1800 kg/m3 at 0.500 L/Min and balance it with 0.400 m3 of fresh water while maintaining 2 MPa on the backside while spotting cement plug, good, bleed off pressure, pull out of the hole slowly with 7 joints of 60.3 mm tubing and park at 2597.94 mKB. With rig pump reverse circulate the well over to fresh "Non Saline" water, 52 m3 total, estimated cement top at 2619.0 mKB. Pull an additional 3 joints putting EOT at 2559.81 mKB, close and lock pipe rams, secure well. Rig down Charger C & A unit and associated equipment. SDFN.		
15:00	00:00	9.00	24.00	WOD	PN		Wait on daylight.		
6:00 Update									
Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details			
00:00	07:30	7.50		PN		Wait on daylight.			
Other In Hole									
Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date				
Retrievable Bridge Plug		155.6	3,301.50	3,302.50					
Cement Retainer		130.0	3,147.50	3,148.50					
Cement Retainer		130.0	3,630.50	3,631.50					
Tubing Plug - Permanent		108.0	2,690.00	2,691.00					
Fresh Water (Permanent)		159.0	15.00	571.00					
Thermal Cement		159.0	2,622.48	2,669.50	7/29/2023 10:00				
Cement Retainer (Permanent)		130.0	601.00	601.60	7/30/2023 00:00				
Fresh Water (Permanent)		159.0	601.60	2,622.48	7/30/2023 00:00				
Thermal Cement		159.0	571.00	601.00	7/30/2023 00:00				



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/28/2023
Report #: 13

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999					
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated							
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)									
Other In Hole															
Des		Icon		OD (mm)		Top Depth (mKB)		Btm (mKB)		Run Date					
Steel Cap				159.5		10.80		10.85		8/26/2023 10:00					
Glacier Tile				250.0		7.40		10.80		8/26/2023 10:00					
Bill 30 Requirements (Head Count Only)															
Type						Count									
Day Shift						14									
Contractor Hours (Head Count & Hours)															
Type						Count		Reg Work Time (hr)							
Flare Permit															
Contract # C03040 A				Agreement Start Date 11/25/2020				Agreement End Date							
Flaring Volumes															
Type		Subtype		Des		Amount		Units							
				No Gas Flared											
Report Fluids Summary															
Fluid		Cum to Lease (m³)		Cum fm lease (m³)		Lease Bal (m³)		Cum to Well (m³)		Cum from Well (m³)		Left to recover (m³)		Cum Non-recov (m³)	
Water		261.00		186.50		33.35		127.85		86.70		41.15			
Weather & Road Condition															
Weather				T (°C)				Road Cond							
Overcast				22				Good							

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29





Pad: L-29/6030-12330

Business Unit: Central and Other

Rig: Precision Well Servicing 829

Report Date: 7/29/2023

Report #: 14

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999		
Original KB Elevation (m) 417.30			Ground Elevation (m) 409.90			Casing Flange Elevation (m) 409.90			Tubing Head Elevation (m)		Well Configuration Type Deviated	
KB-Ground Distance (m) 7.40			KB-Tubing Head Distance (m)			Total Depth (mKB) 3,700.00			PBTD (All) (mKB)			
Casing Strings												
Csg Des		Run Date		Set Depth (mKB)		Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface		2/28/2004		775.00		7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production		3/23/2004		2,912.00		7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole		3/23/2004		3,700.00		2,912.00	788.00	155.6				
Zones / Event Sequence												
Zone Name				Zone Code				Current Status				
Job Information / AFE												
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.												
Target Formation Nahanni												
Daily Pressures												
Subtype						P (kPa)						
SICP						0						
SITP						0						
Operation Summary												
Operations Next Report Period Attempt feedrate on remedial perforations.												
Operation at 6am WOD												
24 Hr Operational Comments												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details					
00:00	07:30	7.50	7.50	WOD	PN		Wait on daylight.					
07:30	08:00	0.50	8.00	SMTG	PP		Hold safety & Operational meeting with all personnel. Reviewed & discussed the following items, daily job objectives, proper procedures & safe-work measures for laying out pipe, potential hazards, related controls, JSA's, roles & responsibilities of crew members, D-33 plan & the ERP. Ensured that everyone understood the task at hand & the scope of today's work.					
08:00	12:00	4.00	12.00	PU/LD	PP		Check pressures, SITP = 0 kPa, SICP = 0 kPa, run in hole with the 60.3 mm L-80 tubing and tag cement top 5.4 m in on joint # 275 at 2622.48 mKB, 46.5 m cement plug on top of PBP. Pull out of the hole and lay out 211 joints of 60.3 mm L-80 tubing on pipe racks.					
12:00	14:30	2.50	14.50	WOE	PN		Wait on Wireline.					
14:30	16:30	2.00	16.50	ELECL	PP		Rig in Reliance Wireline according to OROGO & PRL guidelines, make up and run in hole with a 127 mm 25 gram "GH" charges, 20 spm, at 60 deg phasing, correlate on depth using Reliance CBL log dated July-27-2023, log gun into position, remove safety and perforate the remedial interval from 607.0 - 609.0 mKB, no response from vent while perforating, pull out of hole with spent gun and lay out, all shots are fired and centered in scallops.					
16:30	17:00	0.50	17.00	INJECT	PP		Kick in pump and fill hole with 3 m3 of fluid, continue pumping at 0.300 L/Min and pressure up to 5 MPa, shut down pump and monitor leak off, leaked off 1 MPa in 5 minutes, bleed off pressure, rig down wireline.					
17:00	17:30	0.50	17.50	RUTB	PP		Make up and run in hole with the 60.3 mm L-80 tubing string and land tubing bottom at 610.0 mKB.					
17:30	20:00	2.50	20.00	ACID	PP		Rig in Charge C&A unit, mix 0.5 m3 of Enviro-Syn HCR-7000 acid along with 0.5 m3 of water, pump 1 m3 of acid and displace it with 0.2 m3 of water, shut in annulus and start squeezing acid in 100 L - 5 minute stages, pumped 1 m3 of acid into formation, final pressure is 8 MPa, let acid soak in formation overnight. Secure well. SDFN.					
20:00	00:00	4.00	24.00	WOD	PN		Wait on daylight.					
6:00 Update												
Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details						
00:00	07:30	7.50		PN		Wait on daylight.						
Other In Hole												
Des				Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date				
Retrievable Bridge Plug					155.6	3,301.50	3,302.50					
Cement Retainer					130.0	3,147.50	3,148.50					
Cement Retainer					130.0	3,630.50	3,631.50					
Tubing Plug - Permanent					108.0	2,690.00	2,691.00					



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/29/2023
Report #: 14

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999					
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated							
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)									
Other In Hole															
Des		Icon		OD (mm)		Top Depth (mKB)		Btm (mKB)		Run Date					
Fresh Water (Permanent)				159.0		15.00		571.00							
Thermal Cement				159.0		2,622.48		2,669.50		7/29/2023 10:00					
Cement Retainer (Permanent)				130.0		601.00		601.60		7/30/2023 00:00					
Fresh Water (Permanent)				159.0		601.60		2,622.48		7/30/2023 00:00					
Thermal Cement				159.0		571.00		601.00		7/30/2023 00:00					
Steel Cap				159.5		10.80		10.85		8/26/2023 10:00					
Glacier Tile				250.0		7.40		10.80		8/26/2023 10:00					
Bill 30 Requirements (Head Count Only)															
Type						Count									
Day Shift						14									
Contractor Hours (Head Count & Hours)															
Type						Count		Reg Work Time (hr)							
Flare Permit															
Contract # C03040 A				Agreement Start Date 11/25/2020				Agreement End Date							
Flaring Volumes															
Type		Subtype		Des		Amount		Units							
				No Gas Flared											
Report Fluids Summary															
Fluid		Cum to Lease (m³)		Cum fm lease (m³)		Lease Bal (m³)		Cum to Well (m³)		Cum from Well (m³)		Left to recover (m³)		Cum Non-recov (m³)	
Water		261.00		186.50		28.85		134.35		88.70		45.65			
Weather & Road Condition															
Weather				T (°C)				Road Cond							
Overcast				25				Good							

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/30/2023
Report #: 15

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBDT (All) (mKB)					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	WT/Len (kg/m)	Grade	Top Thread
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status

Job Information / AFE	
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.	
Target Formation Nahanni	

Daily Pressures	
Subtype	P (kPa)
SICP	0
SITP	0

Operation Summary	
Operations Next Report Period Tag cement on top of retainer, pressure test wellbore to 7 MPa for 10 minutes.	
Operation at 6am WOD	

24 Hr Operational Comments							
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	07:30	7.50	7.50	WOD	PN		Wait on daylight.
07:30	08:00	0.50	8.00	SMTG	PP		Hold safety & Operational meeting with all personnel. Reviewed & discussed the following items, daily job objectives, proper procedures & safe-work measures for cementing operations, potential hazards, related controls, JSA's, roles & responsibilities of crew members, D-33 plan & the ERP. Ensured that everyone understood the task at hand & the scope of today's work.
08:00	09:00	1.00	9.00	INJECT	PP		Check pressures, SITP = 0, SICP = Vacuum. Kick in C&A pumper and conduct feedrate, pumping 0.300 L/min @ 500 kPa, pumped 1 m3 total. Rig down Charger and move off to side of location.
09:00	10:00	1.00	10.00	PULT	PP		Pull out of the hole with 64 joints of 60.3 mm L-80 tubing and rack back in the derrick.
10:00	11:00	1.00	11.00	ELINE	PP		Rig in Reliance Wireline according to OROGO & PRL guidelines. Make up and run in hole with a 130 mm cement retainer and set at 601.0 mKB, observed good setting action, pull out of hole with wireline and rig down same.
11:00	11:30	0.50	11.50	PRESS	PP		Fill hole with 1.3 m3 of fresh water and pressure test retainer to 7 MPa for minutes, good, bleed off pressure.
11:30	12:30	1.00	12.50	RUTB	PP		Make up and run in hole with the stinger assembly on the 60.3 mm tubing, sting into retainer on joint # 63, space out with 10', 4', 4' pups, 62 joints in hole of 60.3 mm L-80 tubing, sting back into retainer and pull to neutral, pressure test to 7 MPa for 10 minutes, good.
12:30	17:00	4.50	17.00	CEMT	PP		Rig in Charger C&A unit, Cement Bulker, and Vacuum truck according to OROGO & Paramount's guidelines. Engage C & A pumper and pump 0.5 m3 of fresh water to conduct feedrate, seeing a feed rate of 0.05 L/min @ 9.4 MPa, bleed off pressure, shut in and pressure test surface line to 15 MPa for 10 minutes, good. Pull out of retainer and pump job as follows; Mix 1.5 m3 of Charger CHThermal 40 Blend + 1 % CHGC - 2 + 1.5 % CaCl2 @ 1700 kg/m3, pump down tubing at 0.300 L/min @ 400 kPa until 200 L above tubing bottom, shut down pump, string into retainer and pump 1.5 m3 of cement, displace with 1.1 m3 of water, start squeezing cement at a rate of 0.050 L/m at 7 MPa, with 3.03 m3 of cement away, switch to low rate pump for remaining 0.345 L of cement and flatlined at 7 MPa, hold for 10 minutes, 3.3 m3 of cement in remedial perforations, pull out of retainer and circulate 0.720 m3 of cement on top, pull 4 joints parking EOT at 566.35 mKB, back wash 2 tubing volumes back to rig tank, pull and additional 6 joints. Secure well. SDFN.
17:00	00:00	7.00	24.00	WOD	PN		Wait on daylight.

6:00 Update							
Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details	
00:00	06:30	6.50		PP		Wait on daylight.	



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/30/2023
Report #: 15

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Retrievable Bridge Plug		155.6	3,301.50	3,302.50	
Cement Retainer		130.0	3,147.50	3,148.50	
Cement Retainer		130.0	3,630.50	3,631.50	
Tubing Plug - Permanent		108.0	2,690.00	2,691.00	
Fresh Water (Permanent)		159.0	15.00	571.00	
Cement Retainer (Permanent)		130.0	601.00	601.60	7/30/2023 00:00
Fresh Water (Permanent)		159.0	601.60	2,622.48	7/30/2023 00:00
Thermal Cement		159.0	571.00	601.00	7/30/2023 00:00
Steel Cap		159.5	10.80	10.85	8/26/2023 10:00
Glacier Tile		250.0	7.40	10.80	8/26/2023 10:00

Bill 30 Requirements (Head Count Only)

Type	Count
Day Shift	14

Contractor Hours (Head Count & Hours)

Type	Count	Reg Work Time (hr)

Flare Permit

Contract # C03040 A	Agreement Start Date 11/25/2020	Agreement End Date
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Flaring Volumes

Type	Subtype	Des	Amount	Units
		No Gas Flared		

Report Fluids Summary

Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)
Water	291.00	224.50	13.35	146.85	93.70	53.15	

Weather & Road Condition

Weather	T (°C)	Road Cond
Overcast	23	Good

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29




Pad: L-29/6030-12330

Business Unit: Central and Other

Rig: Precision Well Servicing 829

Report Date: 7/31/2023

Report #: 16





API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999		
Original KB Elevation (m) 417.30			Ground Elevation (m) 409.90			Casing Flange Elevation (m) 409.90			Tubing Head Elevation (m)		Well Configuration Type Deviated	
KB-Ground Distance (m) 7.40			KB-Tubing Head Distance (m)			Total Depth (mKB) 3,700.00			PBTD (All) (mKB)			
Casing Strings												
Csg Des		Run Date		Set Depth (mKB)		Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface		2/28/2004		775.00		7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production		3/23/2004		2,912.00		7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole		3/23/2004		3,700.00		2,912.00	788.00	155.6				
Zones / Event Sequence												
Zone Name				Zone Code				Current Status				
Job Information / AFE												
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.												
Target Formation Nahanni												
Daily Pressures												
Subtype						P (kPa)						
SICP						0						
SITP												
Operation Summary												
Operations Next Report Period Wait on cut n cap operations.												
Operation at 6am Wait on daylight.												
24 Hr Operational Comments												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details					
00:00	06:30	6.50	6.50	WOD	PP		Wait on daylight.					
06:30	06:45	0.25	6.75	Safety Mtg	PP		Held safety and operational meeting. Discuss water way transportation hazards and controls. Ensure all contractor wearing life vest.					
06:45	07:15	0.50	7.25	TTLY	PP		Travel contractors across Ft Laird river via jet boat. Travel to locaiton via trucks.					
07:15	07:30	0.25	7.50	Safety Mtg	PP		Held safety and operational meeting. Review contractor and PRL JSA for operations and hazards for rig operations. Discuss Injured Worker Transportation Plan and ERP. QWEST # QW423					
07:30	08:15	0.75	8.25	RIHPOOH	PP		Run in (5) Joints Tubing 60.3 mm L-80 6.99 kg/m. Tag cement top 571 mKB with 1800 daN weight. Pickup and lay down (1) 60.3 mm L-80 Joint Tubing. Tubing bottom 562 mKB.					
08:15	08:30	0.25	8.50	Circulating	PP		Forward circulate 2.0 m³ x 500 L/min x 2.0 MPa of fresh non-saline water. Returns are fresh non-saline water. Hole is completely changed over to fresh non-saline water.					
08:30	09:00	0.50	9.00	PRESS	PP		Pressure test casing and cement plugs to 7.0 MPa. Held test 10 minutes. No leak off. Perform 15 minute SCVF Bubble test. Confirm no bubbles observed.					
09:00	09:45	0.75	9.75	RIHPOOH	PP		Pull and lay down (59) joints Tubing 60.3 mm 6.99 kg/m. Displacement of 60.3 mm tubing string drops 177.8 mm casing well bore fluid level to 25 mKB.					
09:45	10:30	0.75	10.50	BOPS	PP		Rig down 178 mm x 34.65 MPa Class III BOP and tubing handling equipment.					
10:30	11:15	0.75	11.25	NU/ND WH/XT	PP		Install Upper Wellhead assembly with Dual 130 mm x 34.5 MPa Master Valves. Clean and secure wellhead. Remove all valve handles.					
11:15	12:30	1.25	12.50	RU/RD	PP		Rig out PWS # 829 and support equipment. Move equipment on site to PRL 302/K-29-6030-12330/2 End of report for day.					
12:30	00:00	11.50	24.00	WOD	PP		Wait on daylight.					
Other In Hole												
Des					Icon	OD (mm)		Top Depth (mKB)		Btm (mKB)		Run Date
Retrievable Bridge Plug						155.6		3,301.50		3,302.50		
Cement Retainer						130.0		3,147.50		3,148.50		
Cement Retainer						130.0		3,630.50		3,631.50		



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 7/31/2023
Report #: 16

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					
Other In Hole											
Des		Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date					
Tubing Plug - Permanent			108.0	2,690.00	2,691.00						
Fresh Water (Permanent)			159.0	15.00	571.00						
Steel Cap			159.5	10.80	10.85	8/26/2023 10:00					
Glacier Tile			250.0	7.40	10.80	8/26/2023 10:00					
Bill 30 Requirements (Head Count Only)											
Type				Count							
Day Shift				14							
Contractor Hours (Head Count & Hours)											
Type				Count		Reg Work Time (hr)					
Flare Permit											
Contract # C03040 A			Agreement Start Date 11/25/2020				Agreement End Date				
Report Fluids Summary											
Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)				
Water	291.00	282.50	-44.65	146.85	93.70	53.15					
Weather & Road Condition											
Weather			T (°C)		Road Cond						
Overcast			23		Good						

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 8/26/2023
Report #: 17

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBTD (All) (mKB)					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	WT/Len (kg/m)	Grade	Top Thread
Surface	2/28/2004	775.00	7.40	767.60	244.5	224.3	59.527	K-55	LT&C
Production	3/23/2004	2,912.00	7.40	2,904.60	177.8	159.5	38.692	MN-80	Hydrill SLX
Open Hole	3/23/2004	3,700.00	2,912.00	788.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status

Job Information / AFE	
Objective Well Abandonment. Program will commence after access and camp are prepared. It is expected that 7 wells will be abandoned, and costs will be shared where possible.	
Target Formation Nahanni	

Daily Pressures	
Subtype	P (kPa)
SICP	0

Operation Summary	
Operations Next Report Period Job completed.	
Operation at 6am Job completed.	

24 Hr Operational Comments							
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	06:00	6.00	6.00	WOD	PP		Wait on daylight.
06:00	06:15	0.25	6.25	Safety Mtg	PP		Held safety and operational meeting. Discuss water way transportation hazards and controls. Ensure all contractor wearing life vest.
06:15	06:45	0.50	6.75	TTLY	PP		Travel contractor personal across Ft Laird river via jet boat. Weld truck travel across barge to area. Travel to site.
06:45	07:00	0.25	7.00	Safety Mtg	PP		Held safety and operational meeting. Review contractor and PRL JSA for operations and hazards for rig operations. Discuss Injured Worker Transportation Plan and ERP.
07:00	15:00	8.00	15.00	Cut/Cap	PP		<p>Load and travel track hoe to site.</p> <p>No visible bubbles around wellhead. Swept area and around wellhead for LEL. None detected. Test Production Casing and Surface Casing for LEL. None detected.</p> <p>Confirm no existence of underground lines near well centre.</p> <p>Track hoe dig bell hole around wellhead to depth of 4.0 m. Ensure proper slopping, stairway exit and spoil pile spacing from bell hole.</p> <p>Cut away 3.4 m (11.0 mKB) of 508 mm conductor. Cement between conductor and surface casing. Cut window in 244.5 mm Surface Casing and 177.8 mm Production Casing.</p> <p>No surface cement between Surface Casing and Production Casing. Cut 177.8 mm Production Casing, 3.3 m (10.8 mKB) and Surface Casing at 3.5 m (10.9 mKB) depth below surface casing flange.</p> <p>Remove wellhead from bell hole. Stitch (vent) weld 6.3 mm plate on top of Production Casing and Surface Casing. Weld write 3K-29 / 1999 on 177.8 mm Production Casing cap.</p> <p>Back fill and tamp bell hole with track hoe. Track hoe blew hydraulic hose. Wait 1 hour for mechanic. Unable to field repair. No spare hydraulic hose. Finish leveling and slopping bell hole with loader. Track hoe to be changed out for further operations.</p> <p>Install (orange)Tombstone Surface Marker onto 73 mm pipe. Pipe is anchored and located 1.0 m x North of well centre. Weld write on tombstone marker N1999 + Paramount Res Ltd + 60°24' 50.701" N + 123° 35' 11.872" W + NAD 83</p> <p>Job completed.</p>



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD 3K-29
Pad: L-29/6030-12330
Business Unit: Central and Other
Rig: Precision Well Servicing 829

Report Date: 8/26/2023
Report #: 17

API/UWI 303/K-29/6030-12330/00		Surface Legal Location L-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N1999	
Original KB Elevation (m) 417.30		Ground Elevation (m) 409.90		Casing Flange Elevation (m) 409.90		Tubing Head Elevation (m)		Well Configuration Type Deviated			
KB-Ground Distance (m) 7.40		KB-Tubing Head Distance (m)		Total Depth (mKB) 3,700.00		PBSD (All) (mKB)					
24 Hr Operational Comments											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details				
15:00	00:00	9.00	24.00	No Job Activity	PP		Wait on daylight.				
Other In Hole											
Des		Icon		OD (mm)		Top Depth (mKB)		Btm (mKB)		Run Date	
Retrievable Bridge Plug				155.6		3,301.50		3,302.50			
Cement Retainer				130.0		3,147.50		3,148.50			
Cement Retainer				130.0		3,630.50		3,631.50			
Tubing Plug - Permanent				108.0		2,690.00		2,691.00			
Fresh Water (Permanent)				159.0		15.00		571.00			
Steel Cap				159.5		10.80		10.85		8/26/2023 10:00	
Glacier Tile				250.0		7.40		10.80		8/26/2023 10:00	
Bill 30 Requirements (Head Count Only)											
Type						Count					
Day Shift						4					
Contractor Hours (Head Count & Hours)											
Type						Count		Reg Work Time (hr)			
Flare Permit											
Contract # C03040 A				Agreement Start Date 11/25/2020				Agreement End Date			
Flaring Volumes											
Type		Subtype		Des		Amount		Units			
				No Gas Flared							
Report Fluids Summary											
Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)				
Water	291.00	282.50	-44.65	146.85	93.70	53.15					
Weather & Road Condition											
Weather				T (°C)		Road Cond					
Clear				26		Good					



3K29
1999



Tubing and Rods (Schematic)

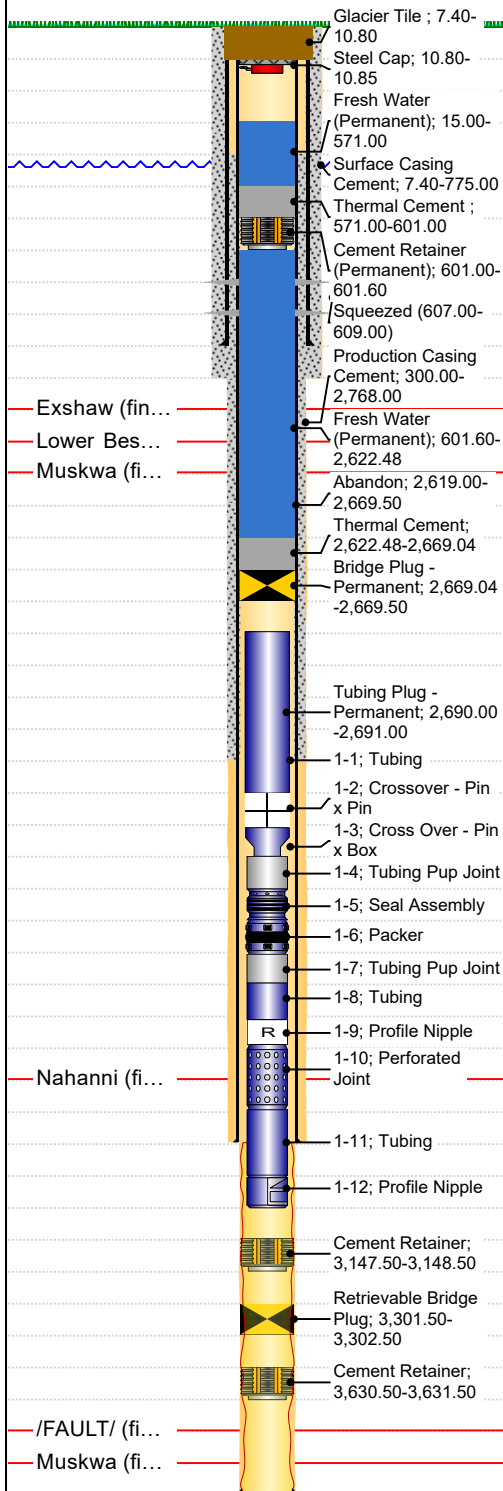
Paramount
resources ltd.

Well Name: **PARAMOUNT ET AL LIARD 3K-29**

API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	License # N1999	Field Name Liard	State/Province NorthWest Territories
Well Configuration Type Deviated	Original KB Elevation (m) 417.30	KB-Ground Distance (m) 7.40	KB-Casing Flange Distance (m) 7.40	KB-Tubing Head Distance (m)

Deviated, Original Hole, 8/29/2023 12:49:09 PM

Vertical schematic (actual)



Tubing - Production set at 2,926.00mKB on 4/30/2004 00:00

Des Tubing - Production		Set Depth (mKB) 2,926.00		Run Date 4/30/2004		Lateral Position		Pull Date		Cut/Pull Date		Depth Cut/Pull (...)	
Item # 1-1	Item Description Tubing	Joints 16	Length (m) 199.61	OD (mm) 127.0	ID (mm)	Wt (kg/m) 22.320	Grade L-80	Top (mKB) 2,670.00	Btm (mKB) 2,869.61				
Comment													
Item # 1-2	Item Description Crossover - Pin x Pin	Joints 1	Length (m) 3.00	OD (mm) 127.0	ID (mm)	Wt (kg/m) 22.320	Grade L-80	Top (mKB) 2,869.61	Btm (mKB) 2,872.61				
Comment													
Item # 1-3	Item Description Cross Over - Pin x Box	Joints 1	Length (m) 0.13	OD (mm) 127.0	ID (mm)	Wt (kg/m) 22.320	Grade L-80	Top (mKB) 2,872.61	Btm (mKB) 2,872.74				
Comment													
Item # 1-4	Item Description Tubing Pup Joint	Joints 1	Length (m) 3.10	OD (mm) 114.3	ID (mm) 100.5	Wt (kg/m) 18.751	Grade L-80	Top (mKB) 2,872.74	Btm (mKB) 2,875.84				
Comment													
Item # 1-5	Item Description Seal Assembly	Joints 1	Length (m) 3.00	OD (mm) 114.3	ID (mm)	Wt (kg/m) 18.751	Grade L-80	Top (mKB) 2,875.84	Btm (mKB) 2,878.84				
Comment													
Item # 1-6	Item Description Packer	Joints 1	Length (m) 2.00	OD (mm) 114.3	ID (mm)	Wt (kg/m) 18.751	Grade L-80	Top (mKB) 2,878.84	Btm (mKB) 2,880.84				
Comment													
Item # 1-7	Item Description Tubing Pup Joint	Joints 1	Length (m) 1.00	OD (mm) 114.3	ID (mm) 100.5	Wt (kg/m) 18.751	Grade L-80	Top (mKB) 2,880.84	Btm (mKB) 2,881.84				
Comment													
Item # 1-8	Item Description Tubing	Joints 1	Length (m) 13.50	OD (mm) 114.3	ID (mm) 100.5	Wt (kg/m) 18.751	Grade L-80	Top (mKB) 2,881.84	Btm (mKB) 2,895.34				
Comment													
Item # 1-9	Item Description Profile Nipple	Joints 1	Length (m) 0.33	OD (mm) 114.3	ID (mm) 96.9	Wt (kg/m) 18.751	Grade L-80	Top (mKB) 2,895.34	Btm (mKB) 2,895.67				
Comment													
Item # 1-10	Item Description Perforated Joint	Joints 1	Length (m) 3.00	OD (mm) 114.3	ID (mm) 100.5	Wt (kg/m) 18.751	Grade L-80	Top (mKB) 2,895.67	Btm (mKB) 2,898.67				
Comment													
Item # 1-11	Item Description Tubing	Joints 2	Length (m) 27.00	OD (mm) 114.3	ID (mm) 100.5	Wt (kg/m) 18.751	Grade L-80	Top (mKB) 2,898.67	Btm (mKB) 2,925.67				
Comment													
Item # 1-12	Item Description Profile Nipple	Joints 1	Length (m) 0.33	OD (mm) 114.3	ID (mm) 96.9	Wt (kg/m) 18.751	Grade L-80	Top (mKB) 2,925.67	Btm (mKB) 2,926.00				

Other In Hole

Description		OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date	Mill/Pull Date
Retrieval Bridge Plug		155.6	3,301.50	3,302.50		
Comment						
Cement Retainer		130.0	3,147.50	3,148.50		
Comment						

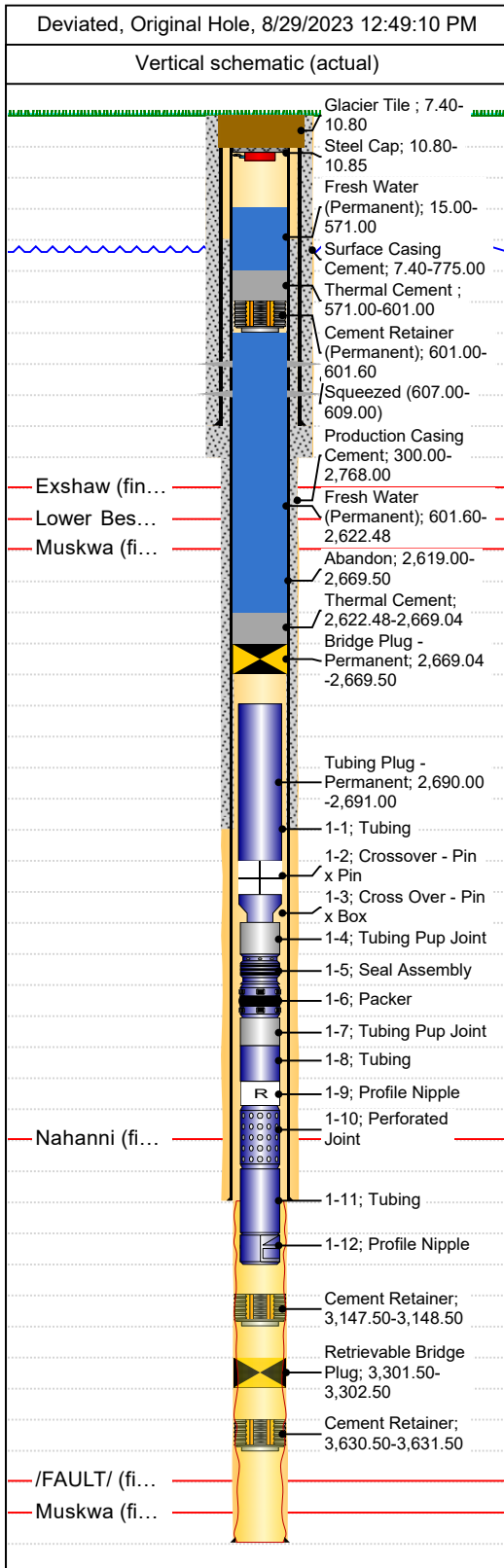


Tubing and Rods (Schematic)

Paramount
resources ltd.

Well Name: PARAMOUNT ET AL LIARD 3K-29

API/UWI 303/K-29/6030-12330/00	Surface Legal Location L-29/6030-12330	License # N1999	Field Name Liard	State/Province NorthWest Territories
Well Configuration Type Deviated	Original KB Elevation (m) 417.30	KB-Ground Distance (m) 7.40	KB-Casing Flange Distance (m) 7.40	KB-Tubing Head Distance (m)



Other In Hole

Description		OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date	Mill/Pull Date
Cement Retainer		130.0	3,630.50	3,631.50		
Comment						
Tubing Plug - Permanent		108.0	2,690.00	2,691.00		
Comment						
Fresh Water (Permanent)		159.0	15.00	571.00		
Comment						
Bridge Plug - Permanent		159.0	2,669.04	2,669.50	7/26/2023 00:00	
Comment						
Weatherford Viton 10 K PBP set by Reliance Oilfield Services on July-26-2023 @ 16:45 hrs.						
Thermal Cement		159.0	2,622.48	2,669.04	7/29/2023 10:00	
Comment						
Cement Retainer (Permanent)		130.0	601.00	601.60	7/30/2023 00:00	
Comment						
Fresh Water (Permanent)		159.0	601.60	2,622.48	7/30/2023 00:00	
Comment						
Thermal Cement		159.0	571.00	601.00	7/30/2023 00:00	
Comment						
Thermal Cement from 571.0 - 601.0 mKB.						
Steel Cap		159.5	10.80	10.85	8/26/2023 10:00	
Comment						
Glacier Tile		250.0	7.40	10.80	8/26/2023 10:00	
Comment						

Perforation Statuses

Top (mKB)	Top (TVD) (mKB)	Btm (mKB)	Btm (TVD) (mKB)	Date	Status
607.00	595.29	609.00	597.07	7/29/2023	Squeezed

Cement Stages

Type	Subtype	String	Des	End Date	Top (mKB)	Btm (mKB)
Plug		Tubing - Production set at 2,926.00mKB on 4/30/2004 00:00	Abandon		2,682.00	2,690.00
Plug		Original Hole	Abandon		2,619.00	2,669.50