

August 31, 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 K-29A, ACW-2022-PAR-K-29A-WID2030**

Please find attached for submission the required documents for Well Termination (Abandonment) of the 300/K-29/6030-12330/04 well, Licence #2030

Attachments include:

1. Change of Well Status
2. Well Termination Record
3. Summary of Cut/Cap Well Operations
4. Zonal and 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 LAIRD K-29A	Operator	Paramount Resources Ltd.
Well Identifier (WID)	2030	Unique Well Identifier (30xx...)	300/K-29/6030-12330/04

STATUS INFORMATION

Effective Date: August 27, 2023

Well Type: Producer

If other, specify:

Well Mode: Abandoned

If other, specify:

Other:

If other, specify:

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 <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 Ltd.

Signature



Date August 31, 2023

Responsible Officer of Company

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 K-29A	Operator	Paramount Resources Ltd.
Well Type	Exploratory Well (if Other, specify _____)	Contractor	Precision Well Servicing
Well Identifier	2030	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-K-29A-WID2030

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

<i>Surface</i>	Lat 60 ° 28 ' 41.0 "	Long 123 ° 35 ' 4.1 "
<i>Bottom Hole</i>	Lat 60 ° 29 ' 18 "	Long 123 ° 35 ' 60 "

Region: Dehcho Unit 0 Section Grid - -

ACTIVITY INFORMATION

Target Formation(s)	Nahanni	Field/Pool(s)	Liard / West
Elevation KB/RT	416.4 m	Ground Level / Seafloor	409.6 m
Service Rig Start Date	August 16, 2023	Total Depth	3620.0 m KB
Service Rig Release Date	August 24, 2023	Total Vertical Depth	2661.8 m KB

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing (m ³)
339.7	101.2	K55	701.0	76.3
244.5	69.9	K-55	2500.0	78 tonnes
244.5	64.9	K-55	1600.0	23.0 tonnes

PLUGGING PROGRAM

Type of Plug	Interval (m KB)	Felt	Setting Depth (m KB)	Cementing (m ³)
Cement	1694.0-1700.1	Yes		1.6
Cement	1199.0-1250.0	Yes		3.5
Cement	928.0-1004.0	Yes		5.6
Cement Retainer	-	Yes	700.0	


PERFORATION

Interval (m KB)	Comments
1233.0-1235.0	Remedial Perfs during zonal abandonment work
987.0-989.0	Remedial Perfs during zonal abandonment work
702.0-704.0	Remedial Perfs during zonal abandonment work
-	

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	
Additional Comments	Acidized Perf Intervals 1233.0-1235.0, 987.0-989.0, 702.0-704.0 , Cement Squeezed perfs 702.0-704.0 with 1.0m ³ cement then placed cement plug from 655.0 - 700.0 with 1.6m ³ cement. Cement Top felt.

"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 31, 2023



ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD K-29A

Well Header					
API/UWI 300/K-29/6030-12330/04	Surface Legal Location K-29/6030-12330	Field Name Liard	License # N2030	State/Province NorthWest Territories	Well Configuration Type Deviated
Ground Elevation (m) 409.60	Casing Flange Elevation (m) 409.60	KB-Ground Distance (m) 6.80	KB-Casing Flange Distance (m) 6.80	Spud Date 9/13/2013	Rig Release Date 9/28/2013

Daily Operations	
Start Date	Summary
8/16/2023	<p>HSE Summary: No incidents, accidents or spills. ERP # QW423</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Level ground around wellhead. Spot matting - Perform 10 minute SCVF Bubble Test. Test failed. Observe 610 bubbles in 10 minutes. - Rig up PWS # 829, Fire Suppression unit, hydraulic catwalk, pipe racks, and support equipment on site as per industry, government, contractor and PRL spacing rules and regulations. Perform ongoing CAODC inspection as use equipment. - Remove Upper Dual 79 mm Master Valves above the 279 mm x 159 mm - 34.5 MPa Master Valve. Rig in wire line 179.4 mm x 34.5 MPa adapter flange on master Valve. Run RBL log from 1734.75 mKB (top PBP) to surface. Send logs to Calgary for interpretation. Rig down wire line equipment from wellhead. - During logging operations. - Run remote accumulator lines to 279.4 mm Class III BOP. Function BOP's. Start pressure 21,500 KPa. Close blind rams 4 sec. Close 60.3 mm pipe rams 4 sec. Close annular 48 sec's. Final pressure 10,000 KPa. Bleed system to 8500 KPa. Recharge system in 219 secs. Use of manual lock clamps to secure BOP. - Stump test blind rams and pipe rams 1.4 MPa and 21 MPa. Held 10 min. Test annular bag 1.4 MPa and 10 MPa. Held 10 min. - Slip n cut 10.2 m of drill line as per schedule maintenance. - Secure wellhead, equipment and site for night. - End report for day.
8/17/2023	<p>HSE Summary: No incidents, accidents or spills. ERP # QW423</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Rig in wire line 179.4 mm x 34.5 MPa adapter flange on master Valve. Run Noise - Temperature log from (top) Permanent Bridge Plug at 1734.75 mKB to surface. Send logs to Calgary for interpretation. Rig down wire line equipment from wellhead. - Clean and secure wellhead, site and equipment. - End report
8/18/2023	<p>HSE Summary: No incidents, accidents or spills. ERP # QW423</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Remove 179 mm x 279 mm Master Valve. Install 29 mm x 34.5 MPa - Class III BOP and tubing handling equipment. - Pressure test wellhead seals, 244.5 mm casing and PBP at 1734.7 mKB to 7.0 MPa. held 10 minutes. - Held BOP drill. Review individual contractor responsibilities - Run (1) Regular Tubing Collar 60.3 mm x 0.15 m and (182) Joints Tubing 60.3 mm L-80 6.99 kg/m. Tag top of 10K PBP at 1734.7 mKB. Position tubing bottom 1734.5 mKB. - Reverse circulate 70 m³ fresh non-saline water at 600 L/min x 7.0 MPa. Entire hole changed to fresh non-saline water. - Rig in Cement Unit. Test line 14 MPa. Held 5 minutes. Pump 1.6 m³ Charger Thermal 40 + 1.0% CHGC-2 x 1800 kg/m³ cement slurry. Slurry Yield 0.80 m³/t. Thick time 1.5 hrs. Pump rate 450 L/min x 4.5 MPa. Displace behind cement slurry 3.2 m³ fresh (non-saline) water 20°C. Circulated and balance cement plug from 1694 mKB to 1734.7 mKB. Rig down pump line - Lay down (8) Joints Tubing 60.3 mm L-80 6.99 kg/m. Position tubing bottom 1658 mKB. - Reverse circulate 7 m³ fresh (non-saline) water at 500 L/min x 4.0 MPa. <p>End returns are clean fresh (non-saline) water. Entire hole displaced to non-saline (fresh) water. Release cement units to side of location.</p> <ul style="list-style-type: none"> - Lay down (2) Joints Tubing 60.3 mm L-80. Tubing bottom 1639 mKB. - Clean and secure wellhead and site. Travel to base. - End report for day.



ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD K-29A

Well Header					
API/UWI 300/K-29/6030-12330/04	Surface Legal Location K-29/6030-12330	Field Name Liard	License # N2030	State/Province NorthWest Territories	Well Configuration Type Deviated
Ground Elevation (m) 409.60	Casing Flange Elevation (m) 409.60	KB-Ground Distance (m) 6.80	KB-Casing Flange Distance (m) 6.80	Spud Date 9/13/2013	Rig Release Date 9/28/2013

Daily Operations

Start Date	Summary
8/19/2023	<p>HSE Summary: No incidents, accidents or spills. ERP # QW423</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Run (7) Joints Tubing 60.3 mm L-80. Tag cement top 1700.1 mKB. - Stand (130) Joints Tubing 60.3 mm L-80. Lay down (52) Joints Tubing 60.3 mm L-80. - Run CCL / Perforating Gun ERHSC 127 mm x 2.0 m x 20 SPM x 30° Phase x 25 gram SDP. Total shots is 41. Correlate to CBL log dated 17-Aug-23. Perforate interval 1233.0 - 1235.0 mKB at 11:15 hrs. Slight blow on surface. SCVF bubbles 31 / min. Pull CCL / Setting Tool. All shots fired. - Perform injection test. Pump 1.6 m³ fresh non-saline water x 60 L/m down casing to fill. Pressure up 244.5 mm casing 9010 KPa. Stop pump. Pressure bleed down to 8975 KPa in 5 minutes. No feed rate achieved. Surge back pressure to try and clear perforations. Repeat 3 times. No feed rate. - Run (129) Joints Tubing 60.3 mm L-80. Tubing bottom 1235 mKB. - Rig in C/A unit. Spot 1.0 m³ Enviro-Syn HCR-7000-10 acid at end of tubing string. Hesitate squeeze acid 13:29 to 16:00 hrs. Max pressure 11 MPa. Wait 5 to 10 minutes between 12 stages. Acid squeezed into perms 664 liter. - Reverse circulate 5 m³ fresh non-saline water. Recover 336 L acid. - Run (2) Joints Tubing 60.3 mm L-80. Position tubing bottom 1250 mKB. - Pump 3.5 m³ Charger Thermal-40+1.0% CHGC-2 x 1850 kg/m³ cement slurry at 16:26 hrs. Slurry Yield 0.87 m³/t. Thick time 1.5 hrs. Pump rate 400 L/min x 3.0 MPa. Pump behind cement slurry 2.1 m³ fresh non-saline water. Circulate cement plug from 1250 mKB to 1160 mKB. - Lay down (12) Joints Tubing 60.3 mm L-80. Tubing bottom 1132 mKB. - Reverse circulate 5 m³ fresh non-saline water. Return show 150 L cement water then clean fresh non-saline water. - Pump fresh non-saline water down tubing to squeeze 454 liter total cement total into formation. Max pressure 7900 KPa. Obtain flat line for 10 minutes. End pressure 7875 KPa. - Secure wellhead and site. - End report for day.
8/20/2023	<p>HSE Summary: No incidents, accidents or spills. ERP # QW423</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - SICP 2450 KPa. SCVF (with pressure) 11 bubbles/min. Bleed off well pressure. SCVF (no pressure) 27 bubbles/min. - Run (7) Joints Tubing 60.3 mm L-80. Tag cement top 1199.0 mKB with 1800 daN. - Stand (102) Joints Tubing 60.3 mm L-80. Lay down (26) Joints Tubing 60.3 mm L-80. - Run CCL / Perforating Gun ERHSC 127 mm x 2.0 m x 20 SPM x 30° Phase x 25 gram SDP. Total shots is 41. Correlate to CBL log dated 17-Aug-23. Perforate interval 987.0 - 989.0 mKB at 09:52 hrs. Collar 985.8 mKB. Pull CCL / Setting Tool. All shots fired. - Perform injection test. Pump 1.2 m³ fresh non-saline water x 60 L/m down casing to fill. Pressure up 244.5 mm casing 7010 KPa. Stop pump. Pressure bleed down to 6996 KPa in 5 minutes. No feed rate achieved. Surge back pressure to try and clear perforations. Repeat 3 times. No feed rate. - Run (103) Joints Tubing 60.3 mm L-80. Tubing bottom 989 mKB. - Rig in C/A unit. Spot 1.0 m³ Enviro-Syn HCR-7000-10 acid at end of tubing string. Hesitate and squeeze acid from 11:41 to 14:00 hrs. Max pressure 7.5 MPa. Obtain 65 L/min feed rate at 4.0 MPa. Acid squeezed into perms 1.0 m³. - Run (2) Joints Tubing 60.3 mm L-80. Position tubing bottom 1004 mKB. - Pump 5.2 m³ Charger Thermal-40+1.0% CHGC-2 x 1850 kg/m³ cement slurry at 14:32 hrs. Slurry Yield 0.87 m³/t. Thick time 1.5 hrs. Rate 400 L/min x 3.0 MPa. Pump behind cement slurry 1.5 m³ fresh non-saline water. Circulate cement plug from 874 mKB to 1004 mKB. - Lay down (16) Joints Tubing 60.3 mm L-80. Tubing bottom 852 mKB. - Reverse circulate 5 m³ fresh non-saline water. Return show 200 L cement water then clean fresh non-saline water. - Pump fresh non-saline water to hesitate squeeze 575 L cement total into formation in 30 minutes. Start 7.28 MPa flat line for 10 minutes. End pressure 7.21 MPa. Good test. Bleed down well to 2 MPa - Secure wellhead, site and equipment. - End report for day.



ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD K-29A

Well Header					
API/UWI 300/K-29/6030-12330/04	Surface Legal Location K-29/6030-12330	Field Name Liard	License # N2030	State/Province NorthWest Territories	Well Configuration Type Deviated
Ground Elevation (m) 409.60	Casing Flange Elevation (m) 409.60	KB-Ground Distance (m) 6.80	KB-Casing Flange Distance (m) 6.80	Spud Date 9/13/2013	Rig Release Date 9/28/2013

Daily Operations

Start Date	Summary
8/21/2023	<p>HSE Summary: No incidents, accidents or spills. ERP # QW423</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Run (8) Joints Tubing 60.3 mm L-80. Tag cement top 928 mKB with 1800 daN weight. - Stand (72) Joints Tubing 60.3 mm L-80. Lay down (26) Joints Tubing 60.3 mm L-80. - Run CCL / Perforating Gun ERHSC 127 mm x 2.0 m x 20 SPM x 60° Phase x 25 gram Goodhole. Total shots is 41. Correlate to CBL log dated 17-Aug-23. Perforate interval 702.0 - 704.0 mKB at 09:34 hrs. Collar mKB. Pull CCL / Setting Tool. All shots fired. - Injection test. Pump 300 m³ fresh non-saline water x 60 L/m down casing to fill. Pressure up 244.5 mm casing 4500 KPa with 900 L. Stop pump. Pressure bleed down to 3600 KPa in 5 minutes. No feed rat. Surge back to try and clear perforations. Repeat 3 times. No feed rate. - Run (73) Joints Tubing 60.3 mm L-80. Tubing bottom 704 mKB. - Rig in C/A unit. Spot 1.0 m³ Enviro-Syn HCR-7000-10 acid at end of tubing string. Hesitate and squeeze acid 16 times from 11:31 hrs to 14:59 hrs. Max pressure 4.5 MPa. Flushed 75 L past perforations every hour. Stage bleed down vary 1000 KPa to 200 KPa in 10 minutes. No feed rate establish. Estimate 200 L acid into perforations. Leave acid spotted 675 to 704 mKB. - Pull and stand (73) Joints Tubing 60.3 mm L-80. - Run CCL / 244.5 mm Weatherford 8K Cement Retainer. Correlate to CBL log dated 17-Aug-23. Set Cement Retainer (top) 700 mKB x 16:21 hrs. Pull CCL / Setting tool. - Pressure test 244.5 mm casing and Weatherford 8K Cement Retainer to 7010 KPa. Held 10 min. Good test. - Run Retainer Stinger, centralizer, Pup Joint 60.3 mm and (73) Joints Tubing. - Reverse circulate 200 L acid into tubing. String into cement retainer 701 mKB. Pressure test 60.3 mm / 244.5 mm annulus 7.0 MPa. Held. - Tie in pump line. Hesitate squeeze 175 L acid into perfs in 30 minutes. Max pressure 4.5 MPa. Pressure drop 1.5 - 2.0 MPa in 2 minutes. No feed rate. Leave 3.6 MPa on well over night. - Clean and secure site - End report for day.
8/22/2023	<p>HSE Summary: No incidents, accidents or spills. ERP # QW423</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - SITP = slight vac. SICP 30 KPa. SCVF Bubbles 73/min. - Rig in C/A unit. Try establish feed rate into perfs 702.0 - 704.0 mKB. Squeeze 41 L Fresh Non-Saline Water at 60 L/min rate. Pressure up to 4.7 MPa. Wait 20 min. Pressure 3.2 MPa. No feed rate. - Pickup and sting tubing out of cement retainer. Spot 0.5 m³ Enviro-Syn HCR-7000-10 acid at end of tubing string. Lower tubing string into cement retainer. Hesitate squeeze 220 L acid 10 times in 1 hr to establish feed rate. Max pressure 8.0 MPa. Average bleed down 1.5 MPa in 10 minutes. Establish 10 L/min feed rate at 6.7 MPa for 28 minutes. Squeeze away 280 L acid into perfs. Let acid sit for 30 minutes. Final pressure 3.5 MPa. SCVF Bubbles 80/min. Sting tubing string out of cement retainer. - Pump 1.0 m³ Charger MicroFine Cement x 1450 kg/m³ cement slurry at 12:15 hrs x 250 L/min x 2 MPa. Slurry Yield 1.41 m³/t. Work time 1.0 hr. Pump behind cement slurry 0.3 m³ fresh non-saline water. Lower and sting tubing string into cement retainer. Slow rate squeeze 800 L total cement into formation. Initial feed rate 25 L/min for 600 L. Hesitate squeeze 200 L cement at 5 L/min. Max pressure for job 10 MPa. Pressure below cement retainer 7.8 MPa. Sting out of cement retainer at 13:34 hrs. Tubing bottom 899 mKB. Back wash 3.0 m³ Fresh Non-Saline Water. Recover 100 L cement water. - Perform 30 min SCVF Bubble Test from 13:45 - 14:15 hrs. No bubbles. - Pump 1.6 m³ Charger Thermal-40+1.0% CHGC-2 + .5 CaCl₂ x 1850 kg/m³ cement slurry. Slurry Yield 0.87 m³/t. Thick time 1.5 hrs. Rate 400 L/min x 2.0 MPa. Pump behind cement slurry 1.1 m³ fresh non-saline water. Circulate cement plug from 665 mKB to 700 mKB. - Lay down (5) Joints Tubing 60.3 mm L-80. Tubing bottom 652 mKB. - Reverse circulate 3 m³ fresh non-saline water. Return 50 L cement water then clean water. - Clean and secure wellhead - End report for day.

ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD K-29A

Well Header					
API/UWI 300/K-29/6030-12330/04	Surface Legal Location K-29/6030-12330	Field Name Liard	License # N2030	State/Province NorthWest Territories	Well Configuration Type Deviated
Ground Elevation (m) 409.60	Casing Flange Elevation (m) 409.60	KB-Ground Distance (m) 6.80	KB-Casing Flange Distance (m) 6.80	Spud Date 9/13/2013	Rig Release Date 9/28/2013

Daily Operations

Start Date	Summary
8/23/2023	<p>HSE Summary: No incidents, accidents or spills. ERP # QW423</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - SITP 0 KPa. SICP 0 KPa. 15 minute SCVF Bubble Test. No bubbles observed. - Run (3) Joints tubing 60.3 mm L-80. Tag cement top 665 mKB with 1800 daN weight. - Lay down (70) Joints Tubing 60.3 mm L-80 6.99 kg/m. Fluid level 27 mKB. - Rig down 279.4 mm - 34.5 MPa Class III BOP and lines. - Install 179 mm x 279 mm Master Valve with Upper Dual 79 mm Master Valves. Secure all wellhead outlets. - Rig down PWS 829 and support equipment. Clean out rig tank. - Clean and secure site. Prepare all equipment for transport. - Release to CNRL operations Charger Cement units, Reliance Wire Line, Troyer Water truck, Trojan medic, PWS # 829, PWS hydraulic catwalk, (2) Ketek tanks, - Bed truck and winch truck travel across Ft Laird River on barge. - End report for day.
8/24/2023	<p>HSE Summary: No incidents, accidents or spills. ERP # QW423</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Load and travel across Ft Laird River to barge landing in Ft Laird the following: (4) 63 m3 tanks (1) 50 m3 floc tank (1) McClelland Rentals - 279 mm BOP, 279 mm Annular, Accumulator, Generator and miscellaneous fittings (1) Skyline 34.5 MPa manifold and (4) 75 mm joints line pipe. (2) Portable Wash Rooms (1) Garbage Bin (1) Vac unit load liquid solids from floc tank and haul to disposal (1) Load and transfer to Forest (Dimsdale) 355 Joints Tubing 60.3 mm L-80 9.67 kg/m - Travel welding unit across Ft Laird River - End of report for day.
8/27/2023	<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. Buried wooden logs for cribbing around well center. - Cut away 3.5 m (10.3 mKB) of 508 mm conductor. Cement between conductor and surface casing. Cut window in 339.7 mm Surface Casing and 244.5 mm Intermediate Casing. - Surface cement between Surface Casing and Intermediate Casing. Cut 339.7 mm Intermediate Casing, 3.2 m (10.0 mKB) and Surface Casing at 3.3 m (10.1 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 / N2030 on 244.5 mm Intermediate Casing cap. - Back fill and tamp bell hole with track hoe. Contour and level mound over bell hole. - 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 N2030 + Paramount Res Ltd + 60°28' 41.016" N + 123° 23' 35.988" W + NAD 83 - Job completed.
8/28/2023	<p>HSE Summary: No incident, accidents, or spills.</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Contractors load and return Ft Laird Tank Farm plastic containments. Plastics containments across Ft Laird river to be scheduled for return when barge is available. Rocky Arndt to supervise return of remaining rentals. - WSS > Dusty Schneider travel back to base (G.P.) - Job completed. <p>**NOTE** Final costs to be adjusted when receive invoices.</p>

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/16/2023
Report #: 1

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					
Casing Strings											
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread		
Conductor	2/3/1999	20.00	6.80	13.20	508.0						
Surface	2/15/1999	701.00	6.80	694.20	339.7	315.2	101.195	K-55	BTC		
Intermediate	3/30/1999	2,500.00	6.80	2,493.20	244.5	222.5	64.735	K-55	BTC		
Liner	3/31/2006	2,567.00	1,744.52	822.48	177.8	159.5	38.692	L-80			
Open Hole		3,620.00	2,567.00	1,053.00	155.6						
Zones / Event Sequence											
Zone Name		Zone Code				Current Status					
Nahanni											
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 Perform Noise / Temperature log from PBTD to surface.											
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	11:00	11.00	11.00	No Job Activity	PP		No activity on well. Await rig to complete operations on PRL 302/K-29-6030-12330				
11:00	11:15	0.25	11.25	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 # QW425				
11:15	13:00	1.75	13.00	RU/RD	PP		Rig up PWS # 829, Fire Suppression unit, hydraulic catwalk, pipe racks, and support equipment on site as per industry, government, contractor and PRL spacing rules and regulations. Perform ongoing CAODC inspection as use equipment. Perform 10 minute Surface Casing Vent Bubble test. Observe 610 bubbles.				
13:00	13:30	0.50	13.50	NU/ND WH/XT	PP		Remove Upper Dual 79 mm Master Valves above the 279 mm x 159 mm - 34.5 MPa Master Valve. Rig in wire line 179.4 mm x 34.5 MPa adapter flange on master Valve. Run RBL log from 1734.75 mKB (top PBP) to surface. Send logs to Calgary for interpretation. Rig down wire line equipment from wellhead.				
13:30	16:30	3.00	16.50	ELECL	PP		Rig in wire line 179.4 mm x 34.5 MPa adapter flange on master Valve. Run RBL log from 1734.75 mKB (top PBP) to surface. Send logs to Calgary for interpretation. Fluid level 15 mKB. Rig down wire line equipment from wellhead for night. "NOTE" During logging operations: Run remote accumulator lines to 279.4 mm Class III BOP. Function BOP's. Start pressure 21,500 KPa. Close blind rams 4 sec. Close 60.3 mm pipe rams 4 sec. Close annular 48 secs. Final pressure 10,000 KPa. Bleed system to 8500 KPa. Recharge system in 219 secs. Use of manual lock clamps to secure BOP. Stump test blind rams and pipe rams 1.4 MPa and 21 MPa. Held 10 min. Test annular bag 1.4 MPa and 10 MPa. Held 10 min.				
16:30	17:30	1.00	17.50	Slip/Cut DL	PP		Slip n cut 10.2 m of drill line as per scheduled maintenance.				
17:30	18:00	0.50	18.00	SDFN	PP		Secure wellhead, equipment and site for night. End report for day.				



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:












Report Date: 8/16/2023
Report #: 1

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					
24 Hr Operational Comments											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details				
18:00	00:00	6.00	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	06:00	6.00			PP		Wait on daylight.				
Other In Hole											
Des		Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date					
Thermal Cement			222.4	1,700.10	1,734.75	8/18/2023 16:00					
Fresh Water (Permanent)			222.4	1,250.00	1,700.10	8/18/2023 16:01					
Thermal Cement			222.4	1,199.00	1,250.00	8/19/2023 18:00					
Thermal Cement			222.4	928.00	1,004.00	8/20/2023 17:00					
Fresh Water (Permanent)			222.4	1,004.00	1,199.00	8/20/2023 17:01					
Fresh Water (Permanent)			222.4	704.10	928.00	8/21/2023 16:20					
Cement Retainer			222.4	700.00	700.20	8/21/2023 16:21					
Micro Fine Cement			222.4	700.20	704.10	8/22/2023 13:34					
Thermal Cement			222.4	665.00	700.00	8/22/2023 15:14					
Fresh Water (Permanent)			222.4	27.00	665.00	8/22/2023 15:16					
Steel Plate			222.4	10.00	10.05	8/27/2023 10:00					
Glacier Tile			508.0	6.80	10.00	8/27/2023 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 C				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	100.00	0.00	100.00								
Weather & Road Condition											
Weather			T (°C)		Road Cond						
Partly Cloudy			23		Good						

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/17/2023
Report #: 2

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					
Casing Strings											
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread		
Conductor	2/3/1999	20.00	6.80	13.20	508.0						
Surface	2/15/1999	701.00	6.80	694.20	339.7	315.2	101.195	K-55	BTC		
Intermediate	3/30/1999	2,500.00	6.80	2,493.20	244.5	222.5	64.735	K-55	BTC		
Liner	3/31/2006	2,567.00	1,744.52	822.48	177.8	159.5	38.692	L-80			
Open Hole		3,620.00	2,567.00	1,053.00	155.6						
Zones / Event Sequence											
Zone Name		Zone Code				Current Status					
Nahanni											
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 Install 279.4 mm - Class III BOP. Run 60.3 mm tubing string to PBP 1734.6 mKB. Circulate well to fresh non-saline water.											
Operation at 6am Wait for daylight.											
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		Crew travel across Ft Laird River. 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 contractors across Ft Laird river via jet boat. Travel to locaiton via trucks.				
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. QWEST # QW425				
07:00	19:30	12.50	19.50	ELECL	PP		Rig in wire line 179.4 mm x 34.5 MPa adapter flange on master Valve. Run Noise - Temperature log from (top) Permanent Bridge Plug at 1734.75 mKB to surface. Send logs to Calgary for interpretation. Rig down wire line equipment from wellhead.				
19:30	20:00	0.50	20.00	SDFN	PP		Clean and secure wellhead, site and equipment.				
							End report				
20:00	00:00	4.00	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	06:00	6.00			PP		Wait on daylight.				
Other In Hole											
Des			Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date				
Thermal Cement				222.4	1,700.10	1,734.75	8/18/2023 16:00				
Fresh Water (Permanent)				222.4	1,250.00	1,700.10	8/18/2023 16:01				
Thermal Cement				222.4	1,199.00	1,250.00	8/19/2023 18:00				
Thermal Cement				222.4	928.00	1,004.00	8/20/2023 17:00				
Fresh Water (Permanent)				222.4	1,004.00	1,199.00	8/20/2023 17:01				
Fresh Water (Permanent)				222.4	704.10	928.00	8/21/2023 16:20				
Cement Retainer				222.4	700.00	700.20	8/21/2023 16:21				
Micro Fine Cement				222.4	700.20	704.10	8/22/2023 13:34				
Thermal Cement				222.4	665.00	700.00	8/22/2023 15:14				
Fresh Water (Permanent)				222.4	27.00	665.00	8/22/2023 15:16				
Steel Plate				222.4	10.00	10.05	8/27/2023 10:00				



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
 Pad: K-29/6030-12330
 Business Unit: Central and Other
 Rig:

Report Date: 8/17/2023
 Report #: 2

API/UWI 300/K-29/6030-12330/04	Surface Legal Location K-29/6030-12330	Field Name Liard	State/Province NorthWest Territories	Working Interest (%) 88.41	License # N2030		
Original KB Elevation (m) 416.40	Ground Elevation (m) 409.60	Casing Flange Elevation (m) 409.60	Tubing Head Elevation (m) 412.00	Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80	KB-Tubing Head Distance (m) 4.40	Total Depth (mKB) 3,620.00	PBTD (All) (mKB) Original Hole - 1,734.75				
Other In Hole							
Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date		
Glacier Tile		508.0	6.80	10.00	8/27/2023 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 C	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	100.00	0.00	100.00				
Weather & Road Condition							
Weather		T (°C)	Road Cond				
Partly Cloudy		22	Good				

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/18/2023
Report #: 3

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Conductor	2/3/1999	20.00	6.80	13.20	508.0				
Surface	2/15/1999	701.00	6.80	694.20	339.7	315.2	101.195	K-55	BTC
Intermediate	3/30/1999	2,500.00	6.80	2,493.20	244.5	222.5	64.735	K-55	BTC
Liner	3/31/2006	2,567.00	1,744.52	822.48	177.8	159.5	38.692	L-80	
Open Hole		3,620.00	2,567.00	1,053.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status
Nahanni		

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 Tag cement top. Pull Tubing String 60.3 mm L-80 6.99 kg/m.	
Operation at 6am Wait for daylight	

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		Crew travel across Ft Laird River. 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 contractors across Ft Laird river via jet boat. Travel to locaiton via trucks.
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. QWEST # QW425
07:00	07:45	0.75	7.75	NU/ND WH/XT	PP		Remove 179 mm x 279 mm Master Valve.
07:45	09:00	1.25	9.00	BOPS	PP		Install 29 mm x 34.5 MPa - Class III BOP and tubing handling equipment.
09:00	09:30	0.50	9.50	PRESS	PP		Pressure test wellhead seals, 244.5 mm casing and PBP at 1734.7 mKB to 7.0 MPa. held 10 minutes.
09:30	09:45	0.25	9.75	Safety Mtg	PP		Held BOP drill. Review individual contractor responsibilities
09:45	12:15	2.50	12.25	RIHPOOH	PP		Run (1) Regular Tubing Collar 60.3 mm x 0.15 m and (182) Joints Tubing 60.3 mm L-80 6.99 kg/m. Tag top of 10K PBP at 1734.7 mKB. Position tubing bottom 1734.5 mKB.
12:15	15:15	3.00	15.25	Circulating	PP		Reverse circulate 68 m³ fresh non-saline water at 600 L/min x 7.0 MPa. Entire hole changed to fresh non-saline water.
15:15	16:00	0.75	16.00	Cmt	PP		Rig in Cement Unit. Test line 14 MPa. Held 5 minutes. Pump 1.6 m³ Charger Thermal 40 + 1.0% CHGC-2 x 1800 kg/m³ cement slurry. Slurry Yield 0.80 m³/t. Thick time 1.5 hrs. Pump rate 450 L/min x 4.5 MPa. Displace behind cement slurry 3.2 m³ fresh (non-saline) water 20°C. Circulated and balance cement plug from 1694 mKB to 1734.7 mKB. Rig down pump line.
16:00	16:15	0.25	16.25	POOH	PP		Lay down (8) Joints Tubing 60.3 mm L-80 6.99 kg/m. Position tubing bottom 1658 mKB. - Lay down (2) Joints Tubing 60.3 mm L-80 6.99 kg/m. Position tubing bottom 1639 mKB for night.
16:15	16:45	0.50	16.75	Circulating	PP		Reverse circulate 7 m³ fresh (non-saline) water at 500 L/min x 6.0 MPa. End returns are clean fresh (non-saline) water. Recovered estimated 100 liters cement water. Entire hole displaced to non-saline (fresh) water. Release cement units to side of location.
16:45	17:00	0.25	17.00	POOH	PP		Lay down (2) Joints Tubing 60.3 mm L-80. Tubing bottom 1639 mKB.



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/18/2023
Report #: 3

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					
24 Hr Operational Comments											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details				
17:00	18:00	1.00	18.00	SDFN	PP		Clean and secure wellhead and site. Travel to base.				
							End report for day.				
18:00	00:00	6.00	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	06:00	6.00			PP		Wait on daylight.				
Other In Hole											
Des		Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date					
Thermal Cement			222.4	1,700.10	1,734.75	8/18/2023 16:00					
Fresh Water (Permanent)			222.4	1,250.00	1,700.10	8/18/2023 16:01					
Thermal Cement			222.4	1,199.00	1,250.00	8/19/2023 18:00					
Thermal Cement			222.4	928.00	1,004.00	8/20/2023 17:00					
Fresh Water (Permanent)			222.4	1,004.00	1,199.00	8/20/2023 17:01					
Fresh Water (Permanent)			222.4	704.10	928.00	8/21/2023 16:20					
Cement Retainer			222.4	700.00	700.20	8/21/2023 16:21					
Micro Fine Cement			222.4	700.20	704.10	8/22/2023 13:34					
Thermal Cement			222.4	665.00	700.00	8/22/2023 15:14					
Fresh Water (Permanent)			222.4	27.00	665.00	8/22/2023 15:16					
Steel Plate			222.4	10.00	10.05	8/27/2023 10:00					
Glacier Tile			508.0	6.80	10.00	8/27/2023 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 C				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	130.00	0.00	130.00	68.00	68.00	0.00					
Weather & Road Condition											
Weather			T (°C)			Road Cond					
Partly Cloudy			23			Good					

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/19/2023
Report #: 4

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030		
Original KB Elevation (m) 416.40			Ground Elevation (m) 409.60			Casing Flange Elevation (m) 409.60			Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated	
KB-Ground Distance (m) 6.80			KB-Tubing Head Distance (m) 4.40			Total Depth (mKB) 3,620.00			PBTD (All) (mKB) Original Hole - 1,734.75			
Casing Strings												
Csg Des		Run Date		Set Depth (mKB)		Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Conductor		2/3/1999		20.00		6.80	13.20	508.0				
Surface		2/15/1999		701.00		6.80	694.20	339.7	315.2	101.195	K-55	BTC
Intermediate		3/30/1999		2,500.00		6.80	2,493.20	244.5	222.5	64.735	K-55	BTC
Liner		3/31/2006		2,567.00		1,744.52	822.48	177.8	159.5	38.692	L-80	
Open Hole				3,620.00		2,567.00	1,053.00	155.6				
Zones / Event Sequence												
Zone Name				Zone Code					Current Status			
Nahanni												
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												
Operation Summary												
Operations Next Report Period Tag cement top. Pull Tubing String 60.3 mm L-80 6.99 kg/m.												
Operation at 6am Wait for daylight.												
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		Crew travel across Ft Laird River. 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 contractors across Ft Laird river via jet boat. Travel to locaiton via trucks.					
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. QWEST # QW425					
07:00	07:30	0.50	7.50	RIHPOOH	PP		Run (7) Joints Tubing 60.3 mm L-80. Tag cement top 1700.1 mKB.					
07:30	09:30	2.00	9.50	POOH	PP		Stand in derrick (130) Joints Tubing 60.3 mm L-80. Lay down (52) Joints Tubing 60.3 mm L-80.					
09:30	11:30	2.00	11.50	ELECL	PP		Rig in wire line unit. Install 244.5 mm x 179.4 mm adapter flange on top of 244.5 mm BOP. Install wire line adapter 179.4 mm flow tee and flange. Run CCL / Perforating Gun ERHSC 127 mm x 2.0 m x 20 SPM x 30° Phase x 25 gram SDP. Total shots is 41. Correlate to CBL log dated 17-Aug-23. Perforate interval 1233.0 - 1235.0 mKB at 11:15 hrs. Slight blow on surface. SCVF bubbles 60/min. Pull CCL / Setting Tool. All shots fired centre of scallop. Rig down wire line equipment from on top of BOP.					
11:30	12:00	0.50	12.00	INJECT	PP		Perform injection test. Pump 1.6 m³ fresh non-saline water x 60 L/m down casing to fill. Pressure up 244.5 mm casing 9010 KPa. Stop pump. Pressure bleed down to 8975 KPa in 5 minutes. No feed rate achieved. Surge back pressure to try and clear perforations. Repeat 3 times. No feed rate.					
12:00	13:15	1.25	13.25	RIHPOOH	PP		Run (129) Joints Tubing 60.3 mm L-80. Tubing bottom 1235 mKB.					
13:15	16:00	2.75	16.00	Squeeze	PP		Rig in C/A unit. Spot 1.0 m³ Enviro-Syn HCR-7000-10 acid at end of tubing string. Hesitate squeeze acid 13:29 to 16:00 hrs. Max pressure 11 MPa. Wait 5 to 10 minutes between 12 stages. Acid squeezed into perfs 664 liter.					
16:00	16:15	0.25	16.25	Circulating	PP		Reverse circulate 5 m³ fresh non-saline water. Recover 336 L acid.					
16:15	16:30	0.25	16.50	RIHPOOH	PP		Run (2) Joints Tubing 60.3 mm L-80. Position tubing bottom 1250 mKB.					
16:30	17:00	0.50	17.00	Cmt	PP		Pump 3.5 m³ Charger Thermal-40+1.0% CHGC-2 x 1850 kg/m3 cement slurry at 16:26 hrs. Slurry Yield 0.87 m3/t. Thick time 1.5 hrs. Pump rate 400 L/min x 3.0 MPa. Pump behind cement slurry 2.1 m³ fresh non-saline water. Circulate cement plug from 1250 mKB to 1160 mKB. Rig down pump line.					

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/19/2023
Report #: 4

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					











24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
17:00	17:15	0.25	17.25	POOH	PP		Lay down (12) Joints Tubing 60.3 mm L-80. Tubing bottom 1132 mKB.
17:15	17:30	0.25	17.50	Circulating	PP		Reverse circulate 5 m³ fresh non-saline water. Return show 150 L cement water then clean fresh non-saline water.
17:30	18:00	0.50	18.00	Cmt	PP		Pump fresh non-saline water down tubing to squeeze 454 liter total cement total into formation. Max pressure 7900 KPa. Obtain flat line for 10 minutes. End pressure 7875 KPa.
18:00	18:30	0.50	18.50	SDFN	PP		Secure, wellhead and site.
							End report for day.
18:30	00:00	5.50	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	06:00	6.00		PP		Wait on daylight.

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Thermal Cement		222.4	1,199.00	1,250.00	8/19/2023 18:00
Thermal Cement		222.4	928.00	1,004.00	8/20/2023 17:00
Fresh Water (Permanent)		222.4	1,004.00	1,199.00	8/20/2023 17:01
Fresh Water (Permanent)		222.4	704.10	928.00	8/21/2023 16:20
Cement Retainer		222.4	700.00	700.20	8/21/2023 16:21
Micro Fine Cement		222.4	700.20	704.10	8/22/2023 13:34
Thermal Cement		222.4	665.00	700.00	8/22/2023 15:14
Fresh Water (Permanent)		222.4	27.00	665.00	8/22/2023 15:16
Steel Plate		222.4	10.00	10.05	8/27/2023 10:00
Glacier Tile		508.0	6.80	10.00	8/27/2023 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 C	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	130.00	0.00	130.00	68.00	68.00	0.00	

Weather & Road Condition

Weather	T (°C)	Road Cond
Partly Cloudy	23	Good

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/20/2023
Report #: 5

API/UWI 300/K-29/6030-12330/04	Surface Legal Location K-29/6030-12330	Field Name Liard	State/Province NorthWest Territories	Working Interest (%) 88.41	License # N2030				
Original KB Elevation (m) 416.40	Ground Elevation (m) 409.60	Casing Flange Elevation (m) 409.60	Tubing Head Elevation (m) 412.00	Well Configuration Type Deviated					
KB-Ground Distance (m) 6.80	KB-Tubing Head Distance (m) 4.40	Total Depth (mKB) 3,620.00	PBTD (All) (mKB) Original Hole - 1,734.75						
Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Conductor	2/3/1999	20.00	6.80	13.20	508.0				
Surface	2/15/1999	701.00	6.80	694.20	339.7	315.2	101.195	K-55	BTC
Intermediate	3/30/1999	2,500.00	6.80	2,493.20	244.5	222.5	64.735	K-55	BTC
Liner	3/31/2006	2,567.00	1,744.52	822.48	177.8	159.5	38.692	L-80	
Open Hole		3,620.00	2,567.00	1,053.00	155.6				
Zones / Event Sequence									
Zone Name		Zone Code			Current Status				
Nahanni									
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				2,450					
Operation Summary									
Operations Next Report Period Tag cement top. Pull Tubing String 60.3 mm L-80 6.99 kg/m.									
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	06:00	6.00	6.00	WOD	PP		Wait on daylight.		
06:00	06:15	0.25	6.25	Safety Mtg	PP		Crew travel across Ft Laird River. 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 contractors across Ft Laird river via jet boat. Travel to locaiton via trucks.		
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. QWEST # QW425		
07:00	07:30	0.50	7.50	RIHPOOH	PP		Run (7) Joints Tubing 60.3 mm L-80. Tag cement top 1199.0 mKB with 1800 daN tubing weight.		
07:30	08:45	1.25	8.75	POOH	PP		Stand (102) Joints Tubing 60.3 mm L-80. Lay down (26) Joints Tubing 60.3 mm L-80.		
08:45	10:15	1.50	10.25	ELECL	PP		Rig in wire line unit. Install 244.5 mm x 179.4 mm adapter flange on top of 244.5 mm BOP. Install wire line adapter 179.4 mm flow tee and flange. Run CCL / Perforating Gun ERHSC 127 mm x 2.0 m x 20 SPM x 30° Phase x 25 gram SDP. Total shots is 41. Correlate to CBL log dated 17-Aug-23. Collar at 985.8 mKB. Fluid level prior 29 mKB. Perforate interval 987.0 - 989.0 mKB at 09:52 hrs. Slight blow on surface. SCVF bubbles 90/min. Pull CCL / Setting Tool. Fluid level after perforate at 29 mKB. All shots fired centre of scallop. Rig down wire line equipment from on top of BOP.		
10:15	10:45	0.50	10.75	INJECT	PP		Perform injection test. Pump 1.2 m³ fresh non-saline water x 60 L/m down casing to fill. Pressure up 244.5 mm casing 7010 KPa. Stop pump. Pressure bleed down to 6996 KPa in 5 minutes. No feed rate achieved. Surge back pressure to try and clear perforations. Repeat 3 times. No feed rate.		
10:45	11:45	1.00	11.75	RIHPOOH	PP		Run (103) Joints Tubing 60.3 mm L-80 and (2) Pup Joints 60.3 mm L-80. Tubing bottom 989 mKB.		
11:45	14:15	2.50	14.25	Squeeze	PP		Rig in C/A unit. Spot 1.0 m³ Enviro-Syn HCR-7000-10 acid at end of tubing string. Hesitate and squeeze acid from11:41 to 14:00 hrs. Max pressure 7.5 MPa. Obtain 65 L/min feed rate at 4.0 MPa. Acid squeezed into perfs 1.0 m³.		
14:15	14:30	0.25	14.50	RIHPOOH	PP		Run (2) Joints Tubing 60.3 mm L-80. Position tubing bottom 1004 mKB.		

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/20/2023
Report #: 5

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					










24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
14:30	15:00	0.50	15.00	Cmt	PP		Rig in pump line to wellhead. Test surface line 14 MPa. Held. Pump 5.2 m³ Charger Thermal-40+1.0% CHGC-2 x 1850 kg/m³ cement slurry at 14:32 hrs. Slurry Yield 0.87 m³/t. Thick time 1.5 hrs. Pump rate 400 L/min x 2.0 MPa. Pump behind cement slurry 1.5 m³ fresh non-saline water. Circulate cement plug from 874 mKB to 1004 mKB. Rig down pump line from wellhead.
15:00	15:15	0.25	15.25	POOH	PP		Lay down (16) Joints Tubing 60.3 mm L-80. Tubing bottom 852 mKB.
15:15	15:30	0.25	15.50	Circulating	PP		Reverse circulate 5 m³ fresh non-saline water. Return show 200 L cement water then clean fresh non-saline water.
15:30	16:00	0.50	16.00	Cmt	PP		Pump fresh non-saline water to hesitate squeeze 575 L cement total into formation in 30 minutes. Start 7.28 MPa flat line for 10 minutes. End pressure 7.21 KPa. Good test. Bleed down well to 2 MPa
16:00	16:15	0.25	16.25	SDFN	PP		Secure, wellhead and site. End report for day.
16:15	23:45	7.50	23.75	WOD	PP		Wait on daylight.

6:00 Update

Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	06:00	6.00		PP		Wait on daylight.

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Thermal Cement		222.4	928.00	1,004.00	8/20/2023 17:00
Fresh Water (Permanent)		222.4	1,004.00	1,199.00	8/20/2023 17:01
Fresh Water (Permanent)		222.4	704.10	928.00	8/21/2023 16:20
Cement Retainer		222.4	700.00	700.20	8/21/2023 16:21
Micro Fine Cement		222.4	700.20	704.10	8/22/2023 13:34
Thermal Cement		222.4	665.00	700.00	8/22/2023 15:14
Fresh Water (Permanent)		222.4	27.00	665.00	8/22/2023 15:16
Steel Plate		222.4	10.00	10.05	8/27/2023 10:00
Glacier Tile		508.0	6.80	10.00	8/27/2023 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 C	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	130.00	0.00	130.00	68.00	68.00	0.00	

Weather & Road Condition

Weather Partly Cloudy	T (°C) 23	Road Cond Good
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Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/21/2023
Report #: 6

API/UWI 300/K-29/6030-12330/04	Surface Legal Location K-29/6030-12330	Field Name Liard	State/Province NorthWest Territories	Working Interest (%) 88.41	License # N2030				
Original KB Elevation (m) 416.40	Ground Elevation (m) 409.60	Casing Flange Elevation (m) 409.60	Tubing Head Elevation (m) 412.00	Well Configuration Type Deviated					
KB-Ground Distance (m) 6.80	KB-Tubing Head Distance (m) 4.40	Total Depth (mKB) 3,620.00	PBTD (All) (mKB) Original Hole - 1,734.75						
Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Conductor	2/3/1999	20.00	6.80	13.20	508.0				
Surface	2/15/1999	701.00	6.80	694.20	339.7	315.2	101.195	K-55	BTC
Intermediate	3/30/1999	2,500.00	6.80	2,493.20	244.5	222.5	64.735	K-55	BTC
Liner	3/31/2006	2,567.00	1,744.52	822.48	177.8	159.5	38.692	L-80	
Open Hole		3,620.00	2,567.00	1,053.00	155.6				
Zones / Event Sequence									
Zone Name		Zone Code			Current Status				
Nahanni									
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 Establish feed rate in to perforations. Cement closed perforations 702.0 - 704.0 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	06:00	6.00	6.00	WOD	PP		Wait on daylight.		
06:00	06:15	0.25	6.25	Safety Mtg	PP		Crew travel across Ft Laird River. 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 contractors across Ft Laird river via jet boat. Travel to locaiton via trucks.		
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. QWEST # QW425		
07:00	07:30	0.50	7.50	RIHPOOH	PP		Run (8) Joints Tubing 60.3 mm L-80. Tag cement top 928 mKB with 1800 daN weight.		
07:30	08:45	1.25	8.75	POOH	PP		Stand (72) Joints Tubing 60.3 mm L-80. Lay down (26) Joints Tubing 60.3 mm L-80.		
08:45	09:45	1.00	9.75	ELECL	PP		Rig in wire line unit equipment on top of 244.5 mm Class III BOP. Run CCL / Perforating Gun ERHSC 127 mm x 2.0 m x 20 SPM x 60° Phase x 25 gram Goodhole. Total shots is 41. Correlate to CBL log dated 17-Aug-23. Perforate interval 702.0 - 704.0 mKB at 09:34 hrs. Collar mKB. Pull CCL / Setting Tool. All shots fired. Rig down wire line unit equipment on top of 244.5 mm Class III BOP.		
09:45	10:15	0.50	10.25	INJECT	PP		Rig in pump line. Perform injection test. Pump 300 m³ fresh non-saline water x 60 L/m down casing to fill. Pressure up 244.5 mm casing 4500 KPa with 900 L. Stop pump. Pressure bleed down to 3600 KPa in 5 minutes. No feed rate achieved. Surge back pressure to try and clear perforations. Repeat 3 times. No feed rate. Pressure up each time with 18 L water. Rig down pump line.		
10:15	11:00	0.75	11.00	RIHPOOH	PP		Run (73) Joints Tubing 60.3 mm L-80. Tubing bottom 704 mKB.		
11:00	15:00	4.00	15.00	Squeeze	PP		Rig in C/A unit. Pressure test surface line 14 MPa. Spot 1.0 m³ Enviro-Syn HCR-7000-10 acid at end of tubing string. Hesitate and squeeze acid 16 times from 11:31 hrs to 14:59 hrs. Max pressure 4.5 MPa. Flushed 75 L past perforations every hour. Stage bleed down vary 1000 KPa to 200 KPa in 10 minutes. No feed rate establish. Estimate 200 L acid into perforations. Leave acid spotted 675 to 704 mKB. Rig down pump line.		
15:00	15:45	0.75	15.75	RIHPOOH	PP		Pull and stand (73) Joints Tubing 60.3 mm L-80.		
15:45	16:45	1.00	16.75	ELECL	PP		Run CCL / 244.5 mm Weatherford 8K Cement Retainer. Correlate to CBL log dated 17-Aug-23. Set Cement Retainer (top) 700 mKB x 16:21 hrs. Pull CCL / Setting tool.		

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/21/2023
Report #: 6

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					








24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
16:45	17:00	0.25	17.00	PRESS	PP		Pressure test 244.5 mm casing and Weatherford 8K Cement Retainer to 7010 KPa. Held 10 min. Good test.
17:00	17:30	0.50	17.50	RIHPOOH	PP		Run Retainer Stinger, centralizer, Pup Joint 60.3 mm and (73) Joints Tubing.
17:30	17:45	0.25	17.75	PRESS	PP		Reverse circulate 200 L acid into tubing.
							Lower tubing string and sting into cement retainer 701 mKB. Pressure test 60.3 mm / 244.5 mm annulus 7.0 MPa. Held.
17:45	18:15	0.50	18.25	INJECT	PP		Tie in pump line to wellhead. pressure test line 14 MPa. Held. Pump 5 stages to hesitate squeeze 175 L acid into perfs in 30 minutes. Average stage time of 6 minutes. Max pressure 4.5 MPa. Average pressure drop 1.5 - 2.0 MPa in 2 minutes. No feed rate. Leave 3.6 MPa on well over night. Rig down pump line.
18:15	18:30	0.25	18.50	SDFN	PP		Clean and secure site.
							End report for day.
18:30	00:00	5.50	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	06:00	6.00		PP		Wait on daylight.

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Fresh Water (Permanent)		222.4	704.10	928.00	8/21/2023 16:20
Cement Retainer		222.4	700.00	700.20	8/21/2023 16:21
Micro Fine Cement		222.4	700.20	704.10	8/22/2023 13:34
Thermal Cement		222.4	665.00	700.00	8/22/2023 15:14
Fresh Water (Permanent)		222.4	27.00	665.00	8/22/2023 15:16
Steel Plate		222.4	10.00	10.05	8/27/2023 10:00
Glacier Tile		508.0	6.80	10.00	8/27/2023 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 C	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	130.00	60.00	70.00	68.00	68.00	0.00	

Weather & Road Condition

Weather	T (°C)	Road Cond
Partly Cloudy	23	Good

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:






Report Date: 8/22/2023
Report #: 7

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					
Casing Strings											
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread		
Conductor	2/3/1999	20.00	6.80	13.20	508.0						
Surface	2/15/1999	701.00	6.80	694.20	339.7	315.2	101.195	K-55	BTC		
Intermediate	3/30/1999	2,500.00	6.80	2,493.20	244.5	222.5	64.735	K-55	BTC		
Liner	3/31/2006	2,567.00	1,744.52	822.48	177.8	159.5	38.692	L-80			
Open Hole		3,620.00	2,567.00	1,053.00	155.6						
Zones / Event Sequence											
Zone Name		Zone Code				Current Status					
Nahanni											
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				30							
Operation Summary											
Operations Next Report Period Tag cement top. Pull and lay down tubing string.											
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	06:00	6.00	6.00	WOD	PP		Wait on daylight.				
06:00	06:15	0.25	6.25	Safety Mtg	PP		Crew travel across Ft Laird River. 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 contractors across Ft Laird river via jet boat. Travel to locaiton via trucks.				
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. QWEST # QW425				
07:00	12:00	5.00	12.00	INJECT	PP		SITP = slight vac. SICP 30 KPa. SCVF Bubbles 73/min. Rig in C/A unit. Try establish feed rate into perfs 702.0 - 704.0 mKB. Squeeze 41 L Fresh Non-Saline Water at 60 L/min rate. Pressure up to 4.7 MPa. Wait 20 min. Pressure 3.2 MPa. No feed rate. Pickup and sting tubing out of cement retainer. Spot 0.5 m³ Enviro-Syn HCR-7000-10 acid at end of tubing string. Lower tubing string into cement retainer. Hesitate squeeze 220 L acid 10 times in 1 hr to establish feed rate. Max pressure 8.0 MPa. Average bleed down 1.5 MPa in 10 minutes. Establish 10 L/min feed rate at 6.7 MPa for 28 minutes. Squeeze away 280 L acid into perfs. Let acid sit for 30 minutes. Final pressure 3.5 MPa. SCVF Bubbles 80/min. Sting tubing string out of cement retainer				
12:00	13:30	1.50	13.50	Cmt	PP		Rig in pump line to wellhead. Pump 1.0 m³ Charger MicroFine Cement x 1450 kg/m3 cement slurry at 12:15 hrs x 250 L/min x 2 MPa. Slurry Yield 1.41 m3/t. Work time 1.0 hr. Pump behind cement slurry 0.3 m³ fresh non-saline water. Lower and sting tubing string into cement retainer. Slow rate squeeze 800 L total cement into formation. Initial feed rate 25 L/min for 600 L. Hesitate squeeze 200 L cement at 5 L/min. Max pressure for job 10 MPa. Pressure below cement retainer 7.8 MPa. Pickup tubing and sting out of cement retainer at 13:34 hrs. Tubing bottom 899 mKB. Back wash 3.0 m³ Fresh Non-Saline Water. Recover 100 L cement water.				

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/22/2023
Report #: 7

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					
24 Hr Operational Comments											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details				
13:30	15:00	1.50	15.00	SCVF	PP		Monitor and perform SCVF Bubble Test 13:45 - 14:15 hrs. No bubbles observed. Report to Calgary.				
15:00	15:30	0.50	15.50	Cmt	PP		Rig in pump line to wellhead. Pump 1.6 m³ Charger Thermal-40+1.0% CHGC-2 + .5 CaCl₂ x 1850 kg/m³ cement slurry. Slurry Yield 0.87 m³/t. Thick time 1.5 hrs. Rate 400 L/min x 2.0 MPa. Pump behind cement slurry 1.1 m³ fresh non-saline water. Circulate cement plug from 665 mKB to 700 mKB. Clean and rig down cement unit.				
15:30	15:45	0.25	15.75	POOH	PP		Lay down (5) Joints Tubing 60.3 mm L-80. Tubing bottom 652 mKB.				
15:45	16:15	0.50	16.25	Circulating	PP		Reverse circulate 3 m³ fresh non-saline water. Return 50 L cement water then clean water				
16:15	17:00	0.75	17.00	SDFN	PP		Clean and secure wellhead End report for day.				
17:00	00:00	7.00	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	06:00	6.00		PP		Wait on daylight.					
Other In Hole											
Des		Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date					
Micro Fine Cement			222.4	700.20	704.10	8/22/2023 13:34					
Thermal Cement			222.4	665.00	700.00	8/22/2023 15:14					
Fresh Water (Permanent)			222.4	27.00	665.00	8/22/2023 15:16					
Steel Plate			222.4	10.00	10.05	8/27/2023 10:00					
Glacier Tile			508.0	6.80	10.00	8/27/2023 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 C				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	130.00	86.00	44.00	68.00	68.00	0.00					
Weather & Road Condition											
Weather				T (°C)		Road Cond					
Partly Cloudy				21		Good					

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

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

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Conductor	2/3/1999	20.00	6.80	13.20	508.0				
Surface	2/15/1999	701.00	6.80	694.20	339.7	315.2	101.195	K-55	BTC
Intermediate	3/30/1999	2,500.00	6.80	2,493.20	244.5	222.5	64.735	K-55	BTC
Liner	3/31/2006	2,567.00	1,744.52	822.48	177.8	159.5	38.692	L-80	
Open Hole		3,620.00	2,567.00	1,053.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status
Nahanni		



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 Haul rentals and tubing to barge staging area at Ft Laird river.	
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	06:00	6.00	6.00	WOD	PP		Wait on daylight.
06:00	06:15	0.25	6.25	Safety Mtg	PP		Crew travel across Ft Laird River. 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	TTLTY	PP		Travel contractors across Ft Laird river via jet boat. Travel to locaiton via trucks.
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. QWEST # QW425
07:00	07:30	0.50	7.50	RIHPOOH	PP		Run (3) Joints Tubing 60.3 mm L-80. Tag cement top 665 mKB with 1800 daN weight.
07:30	08:45	1.25	8.75	POOH	PP		Lay down (70) Joints Tubing 60.3 mm L-80.
08:45	10:15	1.50	10.25	BOPS	PP		Rig down 279.4 mm - 34.5 MPa Class III BOP and lines.
10:15	11:15	1.00	11.25	NU/ND WH/XT	PP		Install 179 mm x 279 mm Master Valve with Upper Dual 79 mm Master Valves. Secure all wellhead outlets.
11:15	17:30	6.25	17.50	RU/RD	PP		Rig down PWS 829 and support equipment. Clean out rig tank. Clean and secure site. Prepare all equipment for transport. Release to CNRL operations Charger Cement units, Reliance Wire Line, Troyer Water truck, Trojan medic, PWS # 829, PWS hydraulic catwalk, (2) Ketek tanks, Bed truck and winch truck travel across Ft Laird River on barge
17:30	18:00	0.50	18.00	TTLTY	PP		End report for day
18:00	00:00	6.00	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	06:00	6.00		PP		Wait on daylight.

Other In Hole					
Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Steel Plate		222.4	10.00	10.05	8/27/2023 10:00
Glacier Tile		508.0	6.80	10.00	8/27/2023 10:00



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
 Pad: K-29/6030-12330
 Business Unit: Central and Other
 Rig:

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

API/UWI 300/K-29/6030-12330/04	Surface Legal Location K-29/6030-12330	Field Name Liard	State/Province NorthWest Territories	Working Interest (%) 88.41	License # N2030		
Original KB Elevation (m) 416.40	Ground Elevation (m) 409.60	Casing Flange Elevation (m) 409.60	Tubing Head Elevation (m) 412.00	Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80	KB-Tubing Head Distance (m) 4.40	Total Depth (mKB) 3,620.00	PBTD (All) (mKB) Original Hole - 1,734.75				
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 C		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	130.00	96.00	4.00	98.00	68.00	30.00	
Weather & Road Condition							
Weather			T (°C)	Road Cond			
Partly Cloudy			21	Good			

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/24/2023
Report #: 9

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Conductor	2/3/1999	20.00	6.80	13.20	508.0				
Surface	2/15/1999	701.00	6.80	694.20	339.7	315.2	101.195	K-55	BTC
Intermediate	3/30/1999	2,500.00	6.80	2,493.20	244.5	222.5	64.735	K-55	BTC
Liner	3/31/2006	2,567.00	1,744.52	822.48	177.8	159.5	38.692	L-80	
Open Hole		3,620.00	2,567.00	1,053.00	155.6				



Zones / Event Sequence		
Zone Name	Zone Code	Current Status
Nahanni		

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 Wait for 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
00:00	06:00	6.00	6.00	WOD	PP	
06:00	06:15	0.25	6.25	Safety Mtg	PP	
06:15	06:45	0.50	6.75	TTLY	PP	
06:45	07:00	0.25	7.00	Safety Mtg	PP	
07:00	18:00	11.00	18.00	TTLY	PP	
Wait on daylight. Crew travel across Ft Laird River. Held safety and operational meeting. Discuss water way transportation hazards and controls. Ensure all contractor wearing life vest. Travel contractors across Ft Laird river via jet boat. Travel to locaiton via trucks. 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 # QW425 Load and travel across Ft Laird River to barge landing in Ft Laird the following: (4) 63 m3 tanks (1) 50 m3 floc tank (1) McClelland Rentals - 279 mm BOP, 279 mm Annular, Accumulator, Generator and miscellaneous fittings (1) Skyline 34.5 MPa manifold and (4) 75 mm joints line pipe. (2) Portable Wash Rooms (1) Garbage Bin (1) Vac unit load liquid solids from floc tank and haul to disposal (1) Load and transfer to Forest (Dimsdale) 355 Joints Tubing 60.3 mm L-80 9.67 kg/m Travel welding unit across Ft Laird River End of report for day.						
18:00	00:00	6.00	24.00	WOD	PP	
Wait on daylight.						

Other In Hole					
Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Steel Plate		222.4	10.00	10.05	8/27/2023 10:00
Glacier Tile		508.0	6.80	10.00	8/27/2023 10:00

Bill 30 Requirements (Head Count Only)	
Type	Count
Day Shift	4

Contractor Hours (Head Count & Hours)		
Type	Count	Reg Work Time (hr)



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
 Pad: K-29/6030-12330
 Business Unit: Central and Other
 Rig:

Report Date: 8/24/2023
 Report #: 9

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					
Flare Permit											
Contract # C03040 C				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)				
Other	0.00	10.00	-10.00								
Water	130.00	126.00	-26.00	98.00	68.00	30.00					
Weather & Road Condition											
Weather				T (°C)		Road Cond					
Clear				26		Good					

Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/27/2023
Report #: 10

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Conductor	2/3/1999	20.00	6.80	13.20	508.0				
Surface	2/15/1999	701.00	6.80	694.20	339.7	315.2	101.195	K-55	BTC
Intermediate	3/30/1999	2,500.00	6.80	2,493.20	244.5	222.5	64.735	K-55	BTC
Liner	3/31/2006	2,567.00	1,744.52	822.48	177.8	159.5	38.692	L-80	
Open Hole		3,620.00	2,567.00	1,053.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status
Nahanni		

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 Load and return rentals. Supervisor travel to base in GP.	
Operation at 6am Wait on daylight	

24 Hr Operational Comments						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT
00:00	06:00	6.00	6.00	WOD	PP	
06:00	06:30	0.50	6.50	Safety Mtg	PP	
06:30	10:00	3.50	10.00	Cut/Cap	PP	
10:00	00:00	14.00	24.00	No Job Activity	PP	

Wait on daylight.

Held safety and operational meeting. Review contractor and PRL JSA for operations and hazards for rig operations. Discuss Injured Worker Transportation Plan and ERP.

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. Buried wooden logs for cribbing around well center.

Cut away 3.5 m (10.3 mKB) of 508 mm conductor. Cement between conductor and surface casing. Cut window in 339.7 mm Surface Casing and 244.5 mm Intermediate Casing.

Surface cement between Surface Casing and Intermediate Casing. Cut 339.7 mm Intermediate Casing, 3.2 m (10.0 mKB) and Surface Casing at 3.3 m (10.1 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 / N2030 on 244.5 mm Intermediate Casing cap.

Back fill and tamp bell hole with track hoe. Contour and level mound over bell hole.

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 N2030 + Paramount Res Ltd + 60°28' 41.016" N + 123° 23' 35.988" W + NAD 83

Job completed.
Final costs to be adjusted when received



Wait on daylight.



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/27/2023
Report #: 10

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					
6:00 Update											
Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details					
00:00	08:00	8.00		PP		Wait on daylight.					
Other In Hole											
Des				Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date			
Steel Plate					222.4	10.00	10.05	8/27/2023 10:00			
Glacier Tile					508.0	6.80	10.00	8/27/2023 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 C				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)				
Other	0.00	10.00	-10.00								
Water	130.00	126.00	-26.00	98.00	68.00	30.00					
Weather & Road Condition											
Weather				T (°C)		Road Cond					
Clear				26		Good					



Daily ARO Operations

Well: PARAMOUNT ET AL LIARD K-29A
Pad: K-29/6030-12330
Business Unit: Central and Other
Rig:

Report Date: 8/28/2023
Report #: 11

API/UWI 300/K-29/6030-12330/04		Surface Legal Location K-29/6030-12330		Field Name Liard		State/Province NorthWest Territories		Working Interest (%) 88.41		License # N2030	
Original KB Elevation (m) 416.40		Ground Elevation (m) 409.60		Casing Flange Elevation (m) 409.60		Tubing Head Elevation (m) 412.00		Well Configuration Type Deviated			
KB-Ground Distance (m) 6.80		KB-Tubing Head Distance (m) 4.40		Total Depth (mKB) 3,620.00		PBTD (All) (mKB) Original Hole - 1,734.75					

Casing Strings									
Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	WT/Len (kg/m)	Grade	Top Thread
Conductor	2/3/1999	20.00	6.80	13.20	508.0				
Surface	2/15/1999	701.00	6.80	694.20	339.7	315.2	101.195	K-55	BTC
Intermediate	3/30/1999	2,500.00	6.80	2,493.20	244.5	222.5	64.735	K-55	BTC
Liner	3/31/2006	2,567.00	1,744.52	822.48	177.8	159.5	38.692	L-80	
Open Hole		3,620.00	2,567.00	1,053.00	155.6				

Zones / Event Sequence		
Zone Name	Zone Code	Current Status
Nahanni		

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	

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	08:00	8.00	8.00	WOD	PP		Wait on daylight.
08:00	18:00	10.00	18.00	TTLY	PP		Contractors load and return Ft Laird Tank farm plastic containments. Plastics containments across Ft Laird river to be scheduled for return when barge is available. Rocky Arndt to supervise return of remaining rentals. WSS > Dusty Schneider travel back to base (G.P.) Job completed. **NOTE** Final costs to be adjusted when receive invoices.
18:00	00:00	6.00	24.00	No Job Activity	PP		No activity on site

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 C	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)
Other	0.00	10.00	-10.00				
Water	130.00	126.00	-26.00	98.00	68.00	30.00	

Weather & Road Condition		
Weather	T (°C)	Road Cond
Clear	30	Good





Tubing and Rods (Schematic)

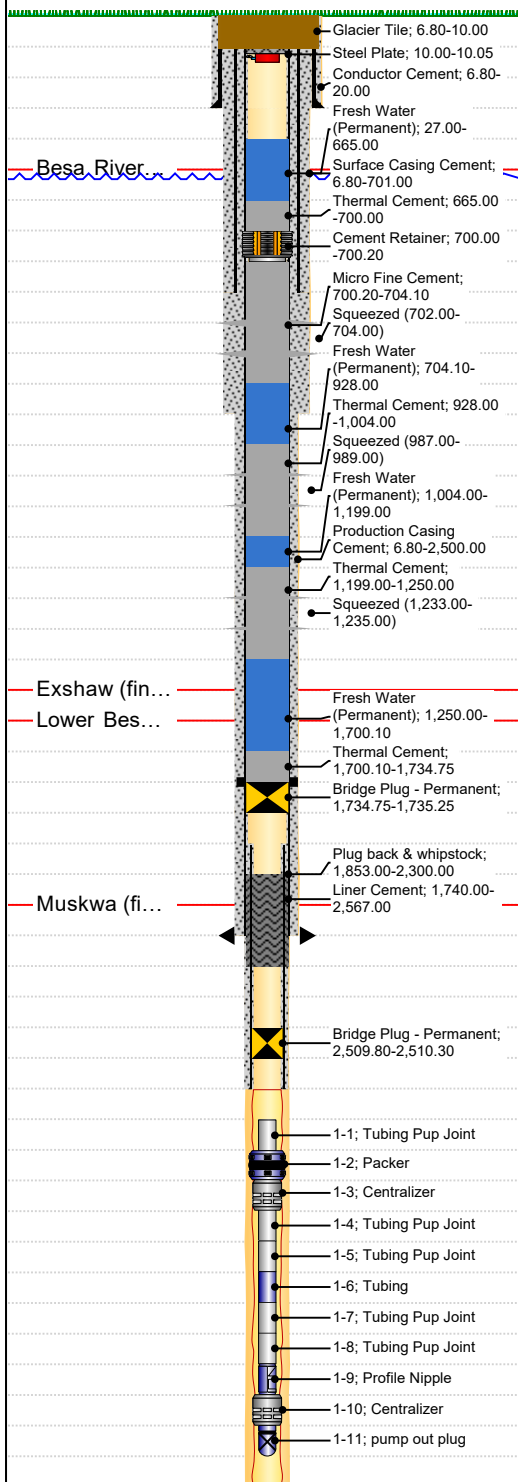
Paramount
resources ltd.

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

API/UWI 300/K-29/6030-12330/04	Surface Legal Location K-29/6030-12330	License # N2030	Field Name Liard	State/Province NorthWest Territories
Well Configuration Type Deviated	Original KB Elevation (m) 416.40	KB-Ground Distance (m) 6.80	KB-Casing Flange Distance (m) 6.80	KB-Tubing Head Distance (m) 4.40

Deviated, Deepening, 8/30/2023 11:19:48 AM

Vertical schematic (actual)



Tubing - Secondary Production set at 3,121.80mKB on 9/20/2013 00:00

Des Tubing - Secondary Production		Set Depth (mKB) 3,121.80	Run Date 9/20/2013	Lateral Position		Pull Date		Cut/Pull Date		Depth Cut/Pull (...)
Item # 1-1	Item Description Tubing Pup Joint	Joints	Length (m) 2.40	OD (mm) 88.9	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 3,087.28	Btm (mKB) 3,089.68	
Comment										
Item # 1-2	Item Description Packer	Joints	Length (m) 1.60	OD (mm) 177.8	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 3,089.68	Btm (mKB) 3,091.28	
Comment										
Item # 1-3	Item Description Centralizer	Joints	Length (m) 0.32	OD (mm) 147.6	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 3,091.28	Btm (mKB) 3,091.60	
Comment										
Item # 1-4	Item Description Tubing Pup Joint	Joints	Length (m) 3.10	OD (mm) 88.9	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 3,091.60	Btm (mKB) 3,094.70	
Comment										
Item # 1-5	Item Description Tubing Pup Joint	Joints	Length (m) 2.40	OD (mm) 88.9	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 3,094.70	Btm (mKB) 3,097.10	
Comment										
Item # 1-6	Item Description Tubing	Joints	Length (m) 19.10	OD (mm) 88.9	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 3,097.10	Btm (mKB) 3,116.20	
Comment										
Item # 1-7	Item Description Tubing Pup Joint	Joints	Length (m) 2.40	OD (mm) 88.9	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 3,116.20	Btm (mKB) 3,118.60	
Comment										
Item # 1-8	Item Description Tubing Pup Joint	Joints	Length (m) 2.40	OD (mm) 88.9	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 3,118.60	Btm (mKB) 3,121.00	
Comment										
Item # 1-9	Item Description Profile Nipple	Joints	Length (m) 0.30	OD (mm) 88.9	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 3,121.00	Btm (mKB) 3,121.30	
Comment										
Item # 1-10	Item Description Centralizer	Joints	Length (m) 0.30	OD (mm) 147.6	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 3,121.30	Btm (mKB) 3,121.60	
Comment										
Item # 1-11	Item Description pump out plug	Joints	Length (m) 0.20	OD (mm) 88.9	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 3,121.60	Btm (mKB) 3,121.80	
Comment										

Other In Hole

Description		OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date	Mill/Pull Date
Bridge Plug - Permanent		159.5	2,509.80	2,510.30	9/23/2013 16:45	
Comment 10k permanent Bp Capped with 12.5 linear meters thermal cement.						
Bridge Plug - Permanent		215.9	1,734.75	1,735.25	9/24/2013 01:00	
Comment 10K Baker permanent bridge plug pressure tested to 14,000kpa x 15 minutes, good test.						

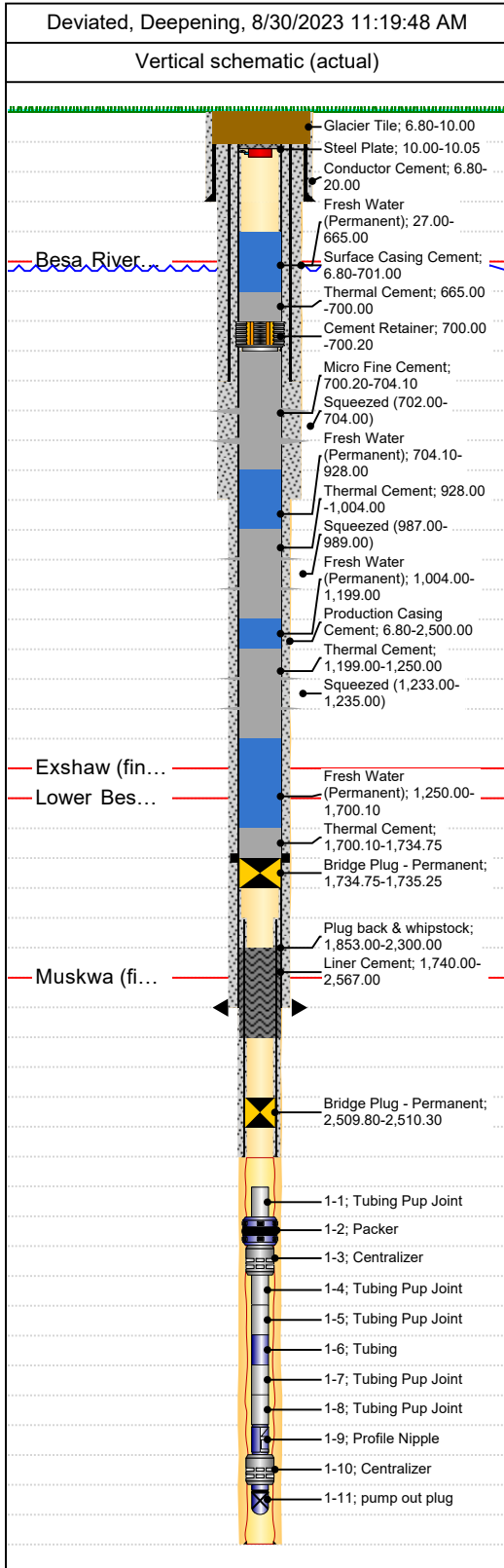


Tubing and Rods (Schematic)

Paramount
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Well Name: PARAMOUNT ET AL LIARD K-29A

API/UWI 300/K-29/6030-12330/04	Surface Legal Location K-29/6030-12330	License # N2030	Field Name Liard	State/Province NorthWest Territories
Well Configuration Type Deviated	Original KB Elevation (m) 416.40	KB-Ground Distance (m) 6.80	KB-Casing Flange Distance (m) 6.80	KB-Tubing Head Distance (m) 4.40



Other In Hole						
Description		OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date	Mill/Pull Date
Thermal Cement		222.4	1,700.10	1,734.75	8/18/2023 16:00	
Comment Reverse circulate 70 m³ fresh non-saline water at 600 L/min x 7.0 MPa. Entire hole changed to fresh non-saline water. - Rig in Cement Unit. Test line 14 MPa. Held 5 minutes. Pump 1.6 m³ Charger Thermal 40 + 1.0% CHGC -2 x 1800 kg/m³ cement slurry. Slurry Yield 0.80 m³/t. Thick time 1.5 hrs. Pump rate 450 L/min x 4.5 MPa. Displace behind cement slurry 3.2 m³ fresh (non-saline) water 20°C. Circulated and balance cement plug from 1700.1 mKB to 1734.7 mKB. Rig down pump line						
Fresh Water (Permanent)		222.4	1,250.00	1,700.10	8/18/2023 16:01	
Comment Fresh Non-Saline Water						
Thermal Cement		222.4	1,199.00	1,250.00	8/19/2023 18:00	
Comment Pump 3.5 m³ Charger Thermal-40+1.0% CHGC-2 x 1850 kg/m³ cement slurry at 16:26 hrs. Slurry Yield 0.87 m³/t. Thick time 1.5 hrs. Pump rate 400 L/min x 3.0 MPa. Pump behind cement slurry 2.1 m³ fresh non-saline water. Circulate cement plug from 1199 mKB to 1250 mKB. Rig down pump line.						
Thermal Cement		222.4	928.00	1,004.00	8/20/2023 17:00	
Comment Rig in pump line to wellhead. Test surface line 14 MPa. Held. Pump 5.2 m³ Charger Thermal-40+1.0% CHGC-2 x 1850 kg/m³ cement slurry at 14:32 hrs. Slurry Yield 0.87 m³/t. Thick time 1.5 hrs. Pump rate 400 L/min x 2.0 MPa. Pump behind cement slurry 1.5 m³ fresh non-saline water. Circulate cement plug from 874 mKB to 1004 mKB.						
Rig down pump line from wellhead.						
Fresh Water (Permanent)		222.4	1,004.00	1,199.00	8/20/2023 17:01	
Comment Fresh Non-Saline Water						
Fresh Water (Permanent)		222.4	704.10	928.00	8/21/2023 16:20	
Comment Fresh Non-Saline Water						
Cement Retainer		222.4	700.00	700.20	8/21/2023 16:21	
Comment Run CCL / 244.5 mm Weatherford 8K Cement Retainer. Correlate to CBL log dated 17-Aug-23. Set Cement Retainer (top) 700 mKB x 16:21 hrs. Pull CCL / Setting tool.						
Micro Fine Cement		222.4	700.20	704.10	8/22/2023 13:34	
Comment Pump 1.0 m³ Charger MicroFine Cement x 1450 kg/m³ cement slurry at 12:15 hrs x 250 L/min x 2 MPa. Slurry Yield 1.41 m³/t. Work time 1.0 hr. Pump behind cement slurry 0.3 m³ fresh non-saline water. Lower and sting tubing string into cement retainer. Slow rate squeeze 800 L total cement into formation. Initial feed rate 25 L/min for 600 L. Hesitate squeeze 200 L cement at 5 L/min. Max pressure for job 10 MPa. Pressure below cement retainer 7.8 MPa. Pickup tubing and sting out of cement retainer at 13:34 hrs. Tubing bottom 899 mKB. Back wash 3.0 m³ Fresh Non-Saline Water. Recover 100 L cement water.						
Thermal Cement		222.4	665.00	700.00	8/22/2023 15:14	
Comment Pump 1.6 m³ Charger Thermal-40+1.0% CHGC-2 + .5 CaCl₂ x 1850 kg/m³ cement slurry. Slurry Yield 0.87 m³/t. Thick time 1.5 hrs. Rate 400 L/min x 2.0 MPa. Pump behind cement slurry 1.1 m³ fresh non-saline water. Circulate cement plug from 665 mKB to 700 mKB.						

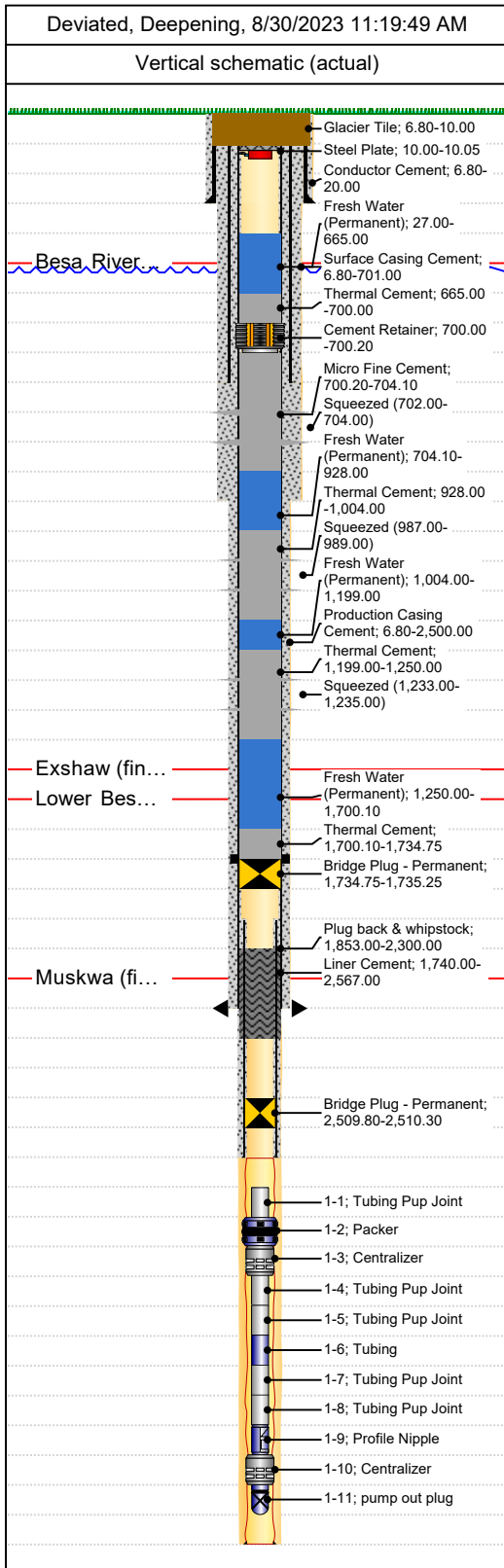





Tubing and Rods (Schematic)

Paramount
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Well Name: **PARAMOUNT ET AL LIARD K-29A**

API/UWI 300/K-29/6030-12330/04	Surface Legal Location K-29/6030-12330	License # N2030	Field Name Liard	State/Province NorthWest Territories
Well Configuration Type Deviated	Original KB Elevation (m) 416.40	KB-Ground Distance (m) 6.80	KB-Casing Flange Distance (m) 6.80	KB-Tubing Head Distance (m) 4.40



Other In Hole						
Description		OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date	Mill/Pull Date
Fresh Water (Permanent)		222.4	27.00	665.00	8/22/2023 15:16	
Comment						
Fresh Non-Saline Water						
Description		OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date	Mill/Pull Date
Steel Plate		222.4	10.00	10.05	8/27/2023 10:00	
Comment						
Description		OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date	Mill/Pull Date
Glacier Tile		508.0	6.80	10.00	8/27/2023 10:00	
Comment						

Perforation Statuses						
Top (mKB)	Top (TVD) (mKB)	Btm (mKB)	Btm (TVD) (mKB)	Date	Status	
702.00	701.42	704.00	703.42	8/21/2023	Squeezed	
987.00	985.87	989.00	987.86	8/20/2023	Squeezed	
1,233.00	1,231.14	1,235.00	1,233.14	8/19/2023	Squeezed	

Cement Stages						
Type	Subtype	String	Des	End Date	Top (mKB)	Btm (mKB)
Plug		Intermediate, 2,500.00mKB	Plug back & whipstock		1,853.00	2,300.00
Plug		Intermediate, 2,500.00mKB	Cement Plug	9/24/2013	2,497.30	2,509.80