

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](mailto: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](http://www.orogo.gov.nt.ca).

### WELL INFORMATION

|                       |                                |                                  |                          |
|-----------------------|--------------------------------|----------------------------------|--------------------------|
| Well Name             | PARAMOUNT ET AL LAIRD<br>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 | <br>John Hawkins | Date   | August 31, 2023               |

## WELL TERMINATION RECORD

**INSTRUCTIONS:**

1. Complete both pages.
2. Send one electronic copy of this form and supporting technical documentation by email to [orogo@gov.nt.ca](mailto: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](http://www.orogo.gov.nt.ca).

**WELL INFORMATION**

|                 |   |                     |                          |
|-----------------|---|---------------------|--------------------------|
| Well Name       | PARAMOUNT ET AL LIARD<br>K-29A                | Operator            | Paramount Resources Ltd. |
| Well Type       | Exploratory Well (if Other, specify<br>_____) | 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-<br>PAR                |
| PRA Licence No.       | Exploration Licence<br>NWT-OL-2014-014 | Approval to Alter Condition of Well | ACW - 2022-<br>PAR-K-29A-<br>WID2030 |

**LOCATION INFORMATION**

Coordinates      Datum: NAD83 (if Other, please specify \_\_\_\_\_)

|             |                      |                       |
|-------------|----------------------|-----------------------|
| Surface     | Lat 60 ° 28 ' 41.0 " | Long 123 ° 35 ' 4.1 " |
| Bottom Hole | 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 <sup>3</sup> ) |
|-----------|---------------|-------|----------------------|-----------------------------|
| 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 <sup>3</sup> ) |
| 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 1.0m3 cement then placed cement plug from 655.0 - 700.0 with 1.6m3 cement. Cement Top felt. |

| <b><i>"I certify that the information provided on this form is true and correct"</i></b> |   |        |                               |
|--|---|--------|-------------------------------|
| 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               |
|  | <i>Responsible Officer of Company</i>   |        |                               |



## ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD K-29A

### Well Header

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

### Daily Operations

| Start Date | Summary   |
|------------|---|
| 8/16/2023  | <p><b>HSE Summary:</b><br/>No incidents, accidents or spills. ERP # QW423</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Level ground around wellhead. Spot matting</li> <li>- Perform 10 minute SCVF Bubble Test. Test failed. Observe 610 bubbles in 10 minutes.</li> <li>- 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.</li> <li>- 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.</li> <li>- During logging operations.</li> <li>- 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.</li> <li>- 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.</li> <li>- Slip n cut 10.2 m of drill line as per schedule maintenance.</li> <li>- Secure wellhead, equipment and site for night.</li> <li>- End report for day.</li> </ul>  |
| 8/17/2023  | <p><b>HSE Summary:</b><br/>No incidents, accidents or spills. ERP # QW423</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- 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.</li> <li>- Clean and secure wellhead, site and equipment.</li> <li>- End report</li> </ul>   |
| 8/18/2023  | <p><b>HSE Summary:</b><br/>No incidents, accidents or spills. ERP # QW423</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Remove 179 mm x 279 mm Master Valve. Install 29 mm x 34.5 MPa - Class III BOP and tubing handling equipment.</li> <li>- Pressure test wellhead seals, 244.5 mm casing and PBP at 1734.7 mKB to 7.0 MPa. held 10 minutes.</li> <li>- Held BOP drill. Review individual contractor responsibilities</li> <li>- 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.</li> <li>- Reverse circulate 70 m<sup>3</sup> fresh non-saline water at 600 L/min x 7.0 MPa. Entire hole changed to fresh non-saline water.</li> <li>- Rig in Cement Unit. Test line 14 MPa. Held 5 minutes. Pump 1.6 m<sup>3</sup> Charger Thermal 40 + 1.0% CHGC-2 x 1800 kg/m<sup>3</sup> cement slurry. Slurry Yield 0.80 m<sup>3</sup>/t. Thick time 1.5 hrs. Pump rate 450 L/min x 4.5 MPa. Displace behind cement slurry 3.2 m<sup>3</sup> fresh (non-saline) water 20°C. Circulated and balance cement plug from 1694 mKB to 1734.7 mKB. Rig down pump line</li> <li>- Lay down (8) Joints Tubing 60.3 mm L-80 6.99 kg/m. Position tubing bottom 1658 mKB.</li> <li>- Reverse circulate 7 m<sup>3</sup> fresh (non-saline) water at 500 L/min x 4.0 MPa.</li> <li>- End returns are clean fresh (non-saline) water. Entire hole displaced to non-saline (fresh) water. Release cement units to side of location.</li> <li>- Lay down (2) Joints Tubing 60.3 mm L-80. Tubing bottom 1639 mKB.</li> <li>- Clean and secure wellhead and site. Travel to base.</li> <li>- End report for day.</li> </ul> |



## ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD K-29A

### Well Header

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

### Daily Operations

| Start Date | Summary  |
|------------|--|
| 8/19/2023  | <p><b>HSE Summary:</b><br/>No incidents, accidents or spills. ERP # QW423</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Run (7) Joints Tubing 60.3 mm L-80. Tag cement top 1700.1 mKB.</li> <li>- Stand (130) Joints Tubing 60.3 mm L-80. Lay down (52) Joints Tubing 60.3 mm L-80.</li> <li>- 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.</li> <li>- Perform injection test. Pump 1.6 m<sup>3</sup> 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.</li> <li>- Run (129) Joints Tubing 60.3 mm L-80. Tubing bottom 1235 mKB.</li> <li>- Rig in C/A unit. Spot 1.0 m<sup>3</sup> 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.</li> <li>- Reverse circulate 5 m<sup>3</sup> fresh non-saline water. Recover 336 L acid.</li> <li>- Run (2) Joints Tubing 60.3 mm L-80. Position tubing bottom 1250 mKB.</li> <li>- Pump 3.5 m<sup>3</sup> Charger Thermal-40+1.0% CHGC-2 x 1850 kg/m<sup>3</sup> cement slurry at 16:26 hrs. Slurry Yield 0.87 m<sup>3</sup>/t. Thick time 1.5 hrs. Pump rate 400 L/min x 3.0 MPa. Pump behind cement slurry 2.1 m<sup>3</sup> fresh non-saline water. Circulate cement plug from 1250 mKB to 1160 mKB.</li> <li>- Lay down (12) Joints Tubing 60.3 mm L-80. Tubing bottom 1132 mKB.</li> <li>- Reverse circulate 5 m<sup>3</sup> fresh non-saline water. Return show 150 L cement water then clean fresh non-saline water.</li> <li>- 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.</li> <li>- Secure wellhead and site.</li> <li>- End report for day.</li> </ul>  |
| 8/20/2023  | <p><b>HSE Summary:</b><br/>No incidents, accidents or spills. ERP # QW423</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- SICP 2450 KPa. SCVF (with pressure) 11 bubbles/min. Bleed off well pressure. SCVF (no pressure) 27 bubbles/min.</li> <li>- Run (7) Joints Tubing 60.3 mm L-80. Tag cement top 1199.0 mKB with 1800 daN.</li> <li>- Stand (102) Joints Tubing 60.3 mm L-80. Lay down (26) Joints Tubing 60.3 mm L-80.</li> <li>- 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.</li> <li>- Perform injection test. Pump 1.2 m<sup>3</sup> 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.</li> <li>- Run (103) Joints Tubing 60.3 mm L-80. Tubing bottom 989 mKB.</li> <li>- Rig in C/A unit. Spot 1.0 m<sup>3</sup> 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 perfs 1.0 m<sup>3</sup>.</li> <li>- Run (2) Joints Tubing 60.3 mm L-80. Position tubing bottom 1004 mKB.</li> <li>- Pump 5.2 m<sup>3</sup> Charger Thermal-40+1.0% CHGC-2 x 1850 kg/m<sup>3</sup> cement slurry at 14:32 hrs. Slurry Yield 0.87 m<sup>3</sup>/t. Thick time 1.5 hrs. Rate 400 L/min x 3.0 MPa. Pump behind cement slurry 1.5 m<sup>3</sup> fresh non-saline water. Circulate cement plug from 874 mKB to 1004 mKB.</li> <li>- Lay down (16) Joints Tubing 60.3 mm L-80. Tubing bottom 852 mKB.</li> <li>- Reverse circulate 5 m<sup>3</sup> fresh non-saline water. Return show 200 L cement water then clean fresh non-saline water.</li> <li>- 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.</li> <li>- Secure wellhead, site and equipment.</li> <li>- End report for day.</li> </ul> |



# ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD K-29A

## Well Header

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

## Daily Operations

| Start Date | Summary   |
|------------|---|
| 8/21/2023  | <p><b>HSE Summary:</b><br/>No incidents, accidents or spills. ERP # QW423</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Run (8) Joints Tubing 60.3 mm L-80. Tag cement top 928 mKB with 1800 daN weight.</li> <li>- Stand (72) Joints Tubing 60.3 mm L-80. Lay down (26) Joints Tubing 60.3 mm L-80.</li> <li>- 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.</li> <li>- 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.</li> <li>- Run (73) Joints Tubing 60.3 mm L-80. Tubing bottom 704 mKB.</li> <li>- 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.</li> <li>- Pull and stand (73) Joints Tubing 60.3 mm L-80.</li> <li>- 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.</li> <li>- Pressure test 244.5 mm casing and Weatherford 8K Cement Retainer to 7010 KPa. Held 10 min. Good test.</li> <li>- Run Retainer Stinger, centralizer, Pup Joint 60.3 mm and (73) Joints Tubing.</li> <li>- 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.</li> <li>- 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.</li> <li>- Clean and secure site</li> <li>- End report for day.</li> </ul> |
| 8/22/2023  | <p><b>HSE Summary:</b><br/>No incidents, accidents or spills. ERP # QW423</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- SITP = slight vac. SICP 30 KPa. SCVF Bubbles 73/min.</li> <li>- 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.</li> <li>- 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.</li> <li>- 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.</li> <li>- Perform 30 min SCVF Bubble Test from 13:45 - 14:15 hrs. No bubbles.</li> <li>- 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.</li> <li>- Lay down (5) Joints Tubing 60.3 mm L-80. Tubing bottom 652 mKB.</li> <li>- Reverse circulate 3 m³ fresh non-saline water. Return 50 L cement water then clean water.</li> <li>- Clean and secure wellhead</li> <li>- End report for day.</li> </ul>   |



# ARO Daily Op Summary

Well Name: PARAMOUNT ET AL LIARD K-29A

## Well Header

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

## Daily Operations

| Start Date | Summary   |
|------------|---|
| 8/23/2023  | <p><b>HSE Summary:</b><br/>No incidents, accidents or spills. ERP # QW423</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- SITP 0 KPa. SICP 0 KPa. 15 minute SCVF Bubble Test. No bubbles observed.</li> <li>- Run (3) Joints tubing 60.3 mm L-80. Tag cement top 665 mKB with 1800 daN weight.</li> <li>- Lay down (70) Joints Tubing 60.3 mm L-80 6.99 kg/m. Fluid level 27 mKB.</li> <li>- Rig down 279.4 mm - 34.5 MPa Class III BOP and lines.</li> <li>- Install 179 mm x 279 mm Master Valve with Upper Dual 79 mm Master Valves. Secure all wellhead outlets.</li> <li>- Rig down PWS 829 and support equipment. Clean out rig tank.</li> <li>- Clean and secure site. Prepare all equipment for transport.</li> <li>- Release to CNRL operations Charger Cement units, Reliance Wire Line, Troyer Water truck, Trojan medic, PWS # 829, PWS hydraulic catwalk, (2) Ketek tanks,</li> <li>- Bed truck and winch truck travel across Ft Laird River on barge.</li> <li>- End report for day.</li> </ul>  |
| 8/24/2023  | <p><b>HSE Summary:</b><br/>No incidents, accidents or spills. ERP # QW423</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Load and travel across Ft Laird River to barge landing in Ft Laird the following:</li> <li>(4) 63 m3 tanks</li> <li>(1) 50 m3 floc tank</li> <li>(1) McClelland Rentals - 279 mm BOP, 279 mm Annular, Accumulator, Generator and miscellaneous fittings</li> <li>(1) Skyline 34.5 MPa manifold and (4) 75 mm joints line pipe.</li> <li>(2) Portable Wash Rooms</li> <li>(1) Garbage Bin</li> <li>(1) Vac unit load liquid solids from floc tank and haul to disposal</li> <li>(1) Load and transfer to Forest (Dimsdale) 355 Joints Tubing 60.3 mm L-80 9.67 kg/m</li> <li>- Travel welding unit across Ft Laird River</li> <li>- End of report for day.</li> </ul>   |
| 8/27/2023  | <p><b>HSE Summary:</b><br/>No incident, accidents, or spills.</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Load and travel track hoe to site.</li> <li>- No visible bubbles around wellhead. Swept area and around wellhead for LEL. None detected. Test Production Casing and Surface Casing for LEL. None detected.</li> <li>- Confirm no existence of underground lines near well centre.</li> <li>- 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.</li> <li>- 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.</li> <li>- 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.</li> <li>- 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.</li> <li>- Back fill and tamp bell hole with track hoe. Contour and level mound over bell hole.</li> <li>- 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</li> <li>- Job completed.</li> </ul> |
| 8/28/2023  | <p><b>HSE Summary:</b><br/>No incident, accidents, or spills.</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- 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.</li> <li>- WSS &gt; Dusty Schneider travel back to base ( G.P.)</li> <li>- Job completed.</li> </ul> <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<br>300/K-29/6030-12330/04   | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |         |   |       |            |
| Original KB Elevation (m)<br>416.40   | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |         |   |       |            |
| KB-Ground Distance (m)<br>6.80  | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |                    |         |   |       |            |
| <b>Casing Strings</b>   |   |                                       |  |                                     |                    |         |   |       |            |
| 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              |         |   |       |            |
| <b>Zones / Event Sequence</b>   |   |                                       |  |                                     |                    |         |   |       |            |
| Zone Name   |   | Zone Code                             |  | Current Status                      |                    |         |   |       |            |
| Nahanni   |   |                                       |  |                                     |                    |         |   |       |            |
| <b>Job Information / AFE</b>  |   |                                       |  |                                     |                    |         |   |       |            |
| 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   |   |                                       |  |                                     |                    |         |   |       |            |
| <b>Daily Pressures</b>  |   |                                       |  |                                     |                    |         |   |       |            |
| Subtype   |   |                                       | P (kPa)                                      |                                     |                    |         |   |       |            |
| SICP  |   |                                       | 0  |                                     |                    |         |   |       |            |
| <b>Operation Summary</b>  |   |                                       |  |                                     |                    |         |   |       |            |
| Operations Next Report Period   |   |                                       |  |                                     |                    |         |   |       |            |
| Perform Noise / Temperature log from PBTD to surface.   |   |                                       |  |                                     |                    |         |   |       |            |
| Operation at 6am  |   |                                       |  |                                     |                    |         |   |       |            |
| Wait on daylight.   |   |                                       |  |                                     |                    |         |   |       |            |
| <b>24 Hr Operational Comments</b>   |   |                                       |  |                                     |                    |         |   |       |            |
| 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<br>300/K-29/6030-12330/04 | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard | State/Province<br>NorthWest Territories | Working Interest (%)<br>88.41 | License #<br>N2030 |
|-----------------------------------|---|---------------------|---|-------------------------------|--------------------|

|                                     |                                |                                       |                                     |                                     |
|-------------------------------------|--------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|
| Original KB Elevation (m)<br>416.40 | Ground Elevation (m)<br>409.60 | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00 | Well Configuration Type<br>Deviated |
|-------------------------------------|--------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|

|                                |                                     |                               |  |
|--------------------------------|-------------------------------------|-------------------------------|--|
| KB-Ground Distance (m)<br>6.80 | KB-Tubing Head Distance (m)<br>4.40 | Total Depth (mKB)<br>3,620.00 | PBTD (All) (mKB)<br>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. |

| 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 #<br>C03040 C | Agreement Start Date<br>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<br>300/K-29/6030-12330/04  | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |           |   |                 |            |
| Original KB Elevation (m)<br>416.40  | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |           |   |                 |            |
| KB-Ground Distance (m)<br>6.80   | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |                    |           |   |                 |            |
| <b>Casing Strings</b>  |   |                                       |  |                                     |                    |           |   |                 |            |
| 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              |           |   |                 |            |
| <b>Zones / Event Sequence</b>  |   |                                       |  |                                     |                    |           |   |                 |            |
| Zone Name<br>Nahanni   |   | Zone Code                             |  | Current Status                      |                    |           |   |                 |            |
| <b>Job Information / AFE</b>   |   |                                       |  |                                     |                    |           |   |                 |            |
| Objective<br>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<br>Nahanni  |   |                                       |  |                                     |                    |           |   |                 |            |
| <b>Daily Pressures</b>   |   |                                       |  |                                     |                    |           |   |                 |            |
| Subtype<br>SICP  |   |                                       |  | P (kPa)                             |                    |           |   |                 |            |
|  |   |                                       |  | 0                                   |                    |           |   |                 |            |
| <b>Operation Summary</b>   |   |                                       |  |                                     |                    |           |   |                 |            |
| Operations Next Report Period<br>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<br>Wait for daylight.   |   |                                       |  |                                     |                    |           |   |                 |            |
| <b>24 Hr Operational Comments</b>  |   |                                       |  |                                     |                    |           |   |                 |            |
| 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.   |                 |            |
| <b>6:00 Update</b>   |   |                                       |  |                                     |                    |           |   |                 |            |
| Start Time   | End Time                                  | Dur (hr)                              | Time Code                                    | Ops Category                        | NPT                |           | Operation Details   |                 |            |
| 00:00  | 06:00                                     | 6.00                                  |  | PP                                  |                    |           | Wait on daylight.   |                 |            |
| <b>Other In Hole</b>   |   |                                       |  |                                     |                    |           |   |                 |            |
| 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<br>300/K-29/6030-12330/04                | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |
| Original KB Elevation (m)<br>416.40              | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |
| KB-Ground Distance (m)<br>6.80                   | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |                    |
| <b>Other In Hole</b>                             |   |                                       |  |                                     |                    |
| Des  | Icon                                      | OD (mm)                               | Top Depth (mKB)                              | Btm (mKB)                           | Run Date           |
| Glacier Tile                                     |   | 508.0                                 | 6.80   | 10.00                               | 8/27/2023 10:00    |
| <b>Bill 30 Requirements (Head Count Only)</b>    |   |                                       |  |                                     |                    |
| Type   |   |                                       | Count  |                                     |                    |
| Day Shift  |   |                                       |  |                                     | 15                 |
| <b>Contractor Hours (Head Count &amp; Hours)</b> |   |                                       |  |                                     |                    |
| Type   |   | Count                                 |  | Reg Work Time (hr)                  |                    |
|  |   |                                       |  |                                     |                    |
| <b>Flare Permit</b>                              |   |                                       |  |                                     |                    |
| Contract #<br>C03040 C                           | Agreement Start Date<br>11/25/2020        |                                       | Agreement End Date                           |                                     |                    |
| <b>Flaring Volumes</b>                           |   |                                       |  |                                     |                    |
| Type   | Subtype                                   | Des                                   | Amount                                       |                                     | Units              |
|  |   | No Gas Flared                         |  |                                     |                    |
| <b>Report Fluids Summary</b>                     |   |                                       |  |                                     |                    |
| Fluid  | Cum to Lease (m³)                         | Cum fm lease (m³)                     | Lease Bal (m³)                               | Cum to Well (m³)                    | Cum from Well (m³) |
| Water  | 100.00                                    | 0.00                                  | 100.00                                       |                                     |                    |
|  |   |                                       |  | Left to recover (m³)                | Cum Non-recov (m³) |
| <b>Weather &amp; Road Condition</b>              |   |                                       |  |                                     |                    |
| 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<br>300/K-29/6030-12330/04   | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |     |  |  |  |  |  |  |  |
| Original KB Elevation (m)<br>416.40   | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |     |  |  |  |  |  |  |  |
| KB-Ground Distance (m)<br>6.80  | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |                    |     |  |  |  |  |  |  |  |
| <b>Casing Strings</b>   |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
| Csg Des   | Run Date                                  | Set Depth (mKB)                       | Top (mKB)                                    | Len (m)                             | OD (mm)            |     |  |  |  |  |  |  |  |
| Conductor   | 2/3/1999                                  | 20.00                                 | 6.80   | 13.20                               | 508.0              |     |  |  |  |  |  |  |  |
| Surface   | 2/15/1999                                 | 701.00                                | 6.80   | 694.20                              | 339.7              |     |  |  |  |  |  |  |  |
| Intermediate  | 3/30/1999                                 | 2,500.00                              | 6.80   | 2,493.20                            | 244.5              |     |  |  |  |  |  |  |  |
| Liner   | 3/31/2006                                 | 2,567.00                              | 1,744.52                                     | 822.48                              | 177.8              |     |  |  |  |  |  |  |  |
| Open Hole   |   | 3,620.00                              | 2,567.00                                     | 1,053.00                            | 155.6              |     |  |  |  |  |  |  |  |
| <b>Zones / Event Sequence</b>   |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
| Zone Name   |   | Zone Code                             |  |                                     | Current Status     |     |  |  |  |  |  |  |  |
| Nahanni   |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
| <b>Job Information / AFE</b>  |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
| 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   |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
| <b>Daily Pressures</b>  |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
| Subtype   |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
| SICP  |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
|   |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
| <b>Operation Summary</b>  |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
| 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   |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
| <b>24 Hr Operational Comments</b>   |   |                                       |  |                                     |                    |     |  |  |  |  |  |  |  |
| 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 m <sup>3</sup> 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 m <sup>3</sup> Charger Thermal 40 + 1.0% CHGC-2 x 1800 kg/m <sup>3</sup> cement slurry. Slurry Yield 0.80 m <sup>3</sup> /t. Thick time 1.5 hrs. Pump rate 450 L/min x 4.5 MPa. Displace behind cement slurry 3.2 m <sup>3</sup> 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 m <sup>3</sup> 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<br>300/K-29/6030-12330/04   | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |
| Original KB Elevation (m)<br>416.40 | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |
| KB-Ground Distance (m)<br>6.80      | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>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 #<br>C03040 C | Agreement Start Date<br>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<br>300/K-29/6030-12330/04  | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |     |   |  |  |  |  |
| Original KB Elevation (m)<br>416.40  | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |     |   |  |  |  |  |
| KB-Ground Distance (m)<br>6.80   | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |                    |     |   |  |  |  |  |
| <b>Casing Strings</b>  |   |                                       |  |                                     |                    |     |   |  |  |  |  |
| Csg Des  | Run Date                                  | Set Depth (mKB)                       | Top (mKB)                                    | Len (m)                             | OD (mm)            |     |   |  |  |  |  |
| Conductor  | 2/3/1999                                  | 20.00                                 | 6.80   | 13.20                               | 508.0              |     |   |  |  |  |  |
| Surface  | 2/15/1999                                 | 701.00                                | 6.80   | 694.20                              | 339.7              |     |   |  |  |  |  |
| Intermediate   | 3/30/1999                                 | 2,500.00                              | 6.80   | 2,493.20                            | 244.5              |     |   |  |  |  |  |
| Liner  | 3/31/2006                                 | 2,567.00                              | 1,744.52                                     | 822.48                              | 177.8              |     |   |  |  |  |  |
| Open Hole  |   | 3,620.00                              | 2,567.00                                     | 1,053.00                            | 155.6              |     |   |  |  |  |  |
| <b>Zones / Event Sequence</b>  |   |                                       |  |                                     |                    |     |   |  |  |  |  |
| Zone Name  |   | Zone Code                             |  | Current Status                      |                    |     |   |  |  |  |  |
| Nahanni  |   |                                       |  |                                     |                    |     |   |  |  |  |  |
| <b>Job Information / AFE</b>   |   |                                       |  |                                     |                    |     |   |  |  |  |  |
| Objective<br>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<br>Nahanni  |   |                                       |  |                                     |                    |     |   |  |  |  |  |
| <b>Daily Pressures</b>   |   |                                       |  |                                     |                    |     |   |  |  |  |  |
| Subtype  |   | P (kPa)                               |  |                                     |                    |     |   |  |  |  |  |
| SICP   |   |                                       |  |                                     |                    |     |   |  |  |  |  |
| <b>Operation Summary</b>   |   |                                       |  |                                     |                    |     |   |  |  |  |  |
| Operations Next Report Period<br>Tag cement top. Pull Tubing String 60.3 mm L-80 6.99 kg/m.  |   |                                       |  |                                     |                    |     |   |  |  |  |  |
| Operation at 6am<br>Wait for daylight.   |   |                                       |  |                                     |                    |     |   |  |  |  |  |
| <b>24 Hr Operational Comments</b>  |   |                                       |  |                                     |                    |     |   |  |  |  |  |
| 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<br>300/K-29/6030-12330/04   | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories | Working Interest (%)<br>88.41                | License #<br>N2030 |
| Original KB Elevation (m)<br>416.40 | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00     | Well Configuration Type<br>Deviated          |                    |
| KB-Ground Distance (m)<br>6.80      | KB-Tubing Head Distance (m)<br>4.40       |                                       | Total Depth (mKB)<br>3,620.00           | PBTD (All) (mKB)<br>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.   |
| 18:30      | 00:00    | 5.50     | 24.00        | WOD         | PP           |     | End report for day.  |
|            |          |          |              |             |              |     | 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 #<br>C03040 C | Agreement Start Date<br>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: 8/20/2023

Report #: 5

|  |   |                                       |  |                                     |                    |         |   |       |            |
|--|---|---------------------------------------|--|-------------------------------------|--------------------|---------|---|-------|------------|
| API/UWI<br>300/K-29/6030-12330/04  | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |         |   |       |            |
| Original KB Elevation (m)<br>416.40  | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |         |   |       |            |
| KB-Ground Distance (m)<br>6.80   | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |                    |         |   |       |            |
| <b>Casing Strings</b>  |   |                                       |  |                                     |                    |         |   |       |            |
| 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              |         |   |       |            |
| <b>Zones / Event Sequence</b>  |   |                                       |  |                                     |                    |         |   |       |            |
| Zone Name  |   | Zone Code                             |  |                                     | Current Status     |         |   |       |            |
| Nahanni  |   |                                       |  |                                     |                    |         |   |       |            |
| <b>Job Information / AFE</b>   |   |                                       |  |                                     |                    |         |   |       |            |
| Objective<br>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<br>Nahanni  |   |                                       |  |                                     |                    |         |   |       |            |
| <b>Daily Pressures</b>   |   |                                       |  |                                     |                    |         |   |       |            |
| Subtype  |   |                                       |  |                                     |                    |         |   |       |            |
| SICP   |   |                                       |  |                                     |                    |         |   |       |            |
| P (kPa)  |   |                                       |  |                                     |                    |         |   |       |            |
| 2,450  |   |                                       |  |                                     |                    |         |   |       |            |
| <b>Operation Summary</b>   |   |                                       |  |                                     |                    |         |   |       |            |
| 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.  |   |                                       |  |                                     |                    |         |   |       |            |
| <b>24 Hr Operational Comments</b>  |   |                                       |  |                                     |                    |         |   |       |            |
| 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 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 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<br>300/K-29/6030-12330/04   | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories | Working Interest (%)<br>88.41                | License #<br>N2030 |
| Original KB Elevation (m)<br>416.40 | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00     | Well Configuration Type<br>Deviated          |                    |
| KB-Ground Distance (m)<br>6.80      | KB-Tubing Head Distance (m)<br>4.40       |                                       | Total Depth (mKB)<br>3,620.00           | PBTD (All) (mKB)<br>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.<br><br>Pump 5.2 m <sup>3</sup> Charger Thermal-40+1.0% CHGC-2 x 1850 kg/m <sup>3</sup> cement slurry at 14:32 hrs. Slurry Yield 0.87 m <sup>3</sup> /t. Thick time 1.5 hrs. Pump rate 400 L/min x 2.0 MPa. Pump behind cement slurry 1.5 m <sup>3</sup> fresh non-saline water. Circulate cement plug from 874 mKB to 1004 mKB.<br><br>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 m <sup>3</sup> 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.<br><br>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 #<br>C03040 C | Agreement Start Date<br>11/25/2020 | Agreement End Date |
|------------------------|------------------------------------|--------------------|

## Flaring Volumes

| Type | Subtype | Des           | Amount | Units |
|------|---------|---------------|--------|-------|
|      |         | No Gas Flared |        |       |

## Report Fluids Summary

| Fluid | Cum to Lease (m <sup>3</sup> ) | Cum fm lease (m <sup>3</sup> ) | Lease Bal (m <sup>3</sup> ) | Cum to Well (m <sup>3</sup> ) | Cum from Well (m <sup>3</sup> ) | Left to recover (m <sup>3</sup> ) | Cum Non-recov (m <sup>3</sup> ) |
|-------|--------------------------------|--------------------------------|-----------------------------|-------------------------------|---------------------------------|-----------------------------------|---------------------------------|
| 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: 8/21/2023

Report #: 6

| API/UWI<br>300/K-29/6030-12330/04   | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
|---|---|---------------------------------------|--|-------------------------------------|--------------------|---------|---|-----------------|------------|---------|---------|---------|---------------|-------|------------|-----------|----------|-------|------|-------|-------|--|--|--|--|---------|-----------|--------|------|--------|-------|-------|---------|------|-----|--------------|-----------|----------|------|----------|-------|-------|--------|------|-----|-------|-----------|----------|----------|--------|-------|-------|--------|------|--|-----------|--|----------|----------|----------|-------|--|--|--|--|
| Original KB Elevation (m)<br>416.40   | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| KB-Ground Distance (m)<br>6.80  | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| <b>Casing Strings</b>   |   |                                       |  |                                     |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| <table border="1"> <thead> <tr> <th>Csg Des</th><th>Run Date</th><th>Set Depth (mKB)</th><th>Top (mKB)</th><th>Len (m)</th><th>OD (mm)</th><th>ID (mm)</th><th>Wt/Len (kg/m)</th><th>Grade</th><th>Top Thread</th></tr> </thead> <tbody> <tr> <td>Conductor</td><td>2/3/1999</td><td>20.00</td><td>6.80</td><td>13.20</td><td>508.0</td><td></td><td></td><td></td><td></td></tr> <tr> <td>Surface</td><td>2/15/1999</td><td>701.00</td><td>6.80</td><td>694.20</td><td>339.7</td><td>315.2</td><td>101.195</td><td>K-55</td><td>BTC</td></tr> <tr> <td>Intermediate</td><td>3/30/1999</td><td>2,500.00</td><td>6.80</td><td>2,493.20</td><td>244.5</td><td>222.5</td><td>64.735</td><td>K-55</td><td>BTC</td></tr> <tr> <td>Liner</td><td>3/31/2006</td><td>2,567.00</td><td>1,744.52</td><td>822.48</td><td>177.8</td><td>159.5</td><td>38.692</td><td>L-80</td><td></td></tr> <tr> <td>Open Hole</td><td></td><td>3,620.00</td><td>2,567.00</td><td>1,053.00</td><td>155.6</td><td></td><td></td><td></td><td></td></tr> </tbody> </table> |   |                                       |  |                                     |                    | 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 |  |  |  |  |
| 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              |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| <b>Zones / Event Sequence</b>   |   |                                       |  |                                     |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| Zone Name<br>Nahanni  |   | Zone Code                             |  | Current Status                      |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| <b>Job Information / AFE</b>  |   |                                       |  |                                     |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| <p>Objective<br/>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.</p> <p>Target Formation<br/>Nahanni</p>  |   |                                       |  |                                     |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| <b>Daily Pressures</b>  |   |                                       |  |                                     |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| Subtype<br>SICP   |   | P (kPa)                               |  |                                     |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
|   |   | 0                                     |  |                                     |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| <b>Operation Summary</b>  |   |                                       |  |                                     |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| <p>Operations Next Report Period</p> <p>Establish feed rate in to perforations. Cement closed perforations 702.0 - 704.0 mKB</p> <p>Operation at 6am</p> <p>Wait on daylight.</p>   |   |                                       |  |                                     |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| <b>24 Hr Operational Comments</b>   |   |                                       |  |                                     |                    |         |   |                 |            |         |         |         |               |       |            |           |          |       |      |       |       |  |  |  |  |         |           |        |      |        |       |       |         |      |     |              |           |          |      |          |       |       |        |      |     |       |           |          |          |        |       |       |        |      |  |           |  |          |          |          |       |  |  |  |  |
| 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<br>300/K-29/6030-12330/04   | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |
| Original KB Elevation (m)<br>416.40 | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |
| KB-Ground Distance (m)<br>6.80      | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>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 #<br>C03040 C | Agreement Start Date<br>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            | 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<br>300/K-29/6030-12330/04   | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |         |   |       |            |  |
| Original KB Elevation (m)<br>416.40   | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |         |   |       |            |  |
| KB-Ground Distance (m)<br>6.80  | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |                    |         |   |       |            |  |
| <b>Casing Strings</b>   |   |                                       |  |                                     |                    |         |   |       |            |  |
| 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              |         |   |       |            |  |
| <b>Zones / Event Sequence</b>   |   |                                       |  |                                     |                    |         |   |       |            |  |
| Zone Name   |   | Zone Code                             |  | Current Status                      |                    |         |   |       |            |  |
| Nahanni   |   |                                       |  |                                     |                    |         |   |       |            |  |
| <b>Job Information / AFE</b>  |   |                                       |  |                                     |                    |         |   |       |            |  |
| 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   |   |                                       |  |                                     |                    |         |   |       |            |  |
| <b>Daily Pressures</b>  |   |                                       |  |                                     |                    |         |   |       |            |  |
| Subtype   |   |                                       |  |                                     | P (kPa)            |         |   |       |            |  |
| SICP  |   |                                       |  |                                     | 30                 |         |   |       |            |  |
| <b>Operation Summary</b>  |   |                                       |  |                                     |                    |         |   |       |            |  |
| Operations Next Report Period   |   |                                       |  |                                     |                    |         |   |       |            |  |
| Tag cement top. Pull and lay down tubing string.  |   |                                       |  |                                     |                    |         |   |       |            |  |
| Operation at 6am  |   |                                       |  |                                     |                    |         |   |       |            |  |
| Wait on daylight.   |   |                                       |  |                                     |                    |         |   |       |            |  |
| <b>24 Hr Operational Comments</b>   |   |                                       |  |                                     |                    |         |   |       |            |  |
| 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.<br><br>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.<br><br>Pickup and sting tubing out of cement retainer. Spot 0.5 m <sup>3</sup> Enviro-Syn HCR-7000-10 acid at end of tubing string. Lower tubing string into cement retainer.<br><br>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.<br><br>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.<br><br>Pump 1.0 m <sup>3</sup> Charger MicroFine Cement x 1450 kg/m <sup>3</sup> cement slurry at 12:15 hrs x 250 L/min x 2 MPa. Slurry Yield 1.41 m <sup>3</sup> /t. Work time 1.0 hr. Pump behind cement slurry 0.3 m <sup>3</sup> 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.<br><br>Tubing bottom 899 mKB. Back wash 3.0 m <sup>3</sup> 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<br>300/K-29/6030-12330/04   | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories | Working Interest (%)<br>88.41                | License #<br>N2030 |
| Original KB Elevation (m)<br>416.40 | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00     | Well Configuration Type<br>Deviated          |                    |
| KB-Ground Distance (m)<br>6.80      | KB-Tubing Head Distance (m)<br>4.40       |                                       | Total Depth (mKB)<br>3,620.00           | PBTD (All) (mKB)<br>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.<br><br>Pump 1.6 m <sup>3</sup> Charger Thermal-40+1.0% CHGC-2 + .5 CaCl2 x 1850 kg/m <sup>3</sup> cement slurry. Slurry Yield 0.87 m <sup>3</sup> /t. Thick time 1.5 hrs. Rate 400 L/min x 2.0 MPa. Pump behind cement slurry 1.1 m <sup>3</sup> fresh non-saline water. Circulate cement plug from 665 mKB to 700 mKB.<br><br>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 m <sup>3</sup> 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<br><br>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 #<br>C03040 C | Agreement Start Date<br>11/25/2020 | Agreement End Date |
|------------------------|------------------------------------|--------------------|

## Flaring Volumes

| Type | Subtype | Des           | Amount | Units |
|------|---------|---------------|--------|-------|
|      |         | No Gas Flared |        |       |

## Report Fluids Summary

| Fluid | Cum to Lease (m <sup>3</sup> ) | Cum fm lease (m <sup>3</sup> ) | Lease Bal (m <sup>3</sup> ) | Cum to Well (m <sup>3</sup> ) | Cum from Well (m <sup>3</sup> ) | Left to recover (m <sup>3</sup> ) | Cum Non-recov (m <sup>3</sup> ) |
|-------|--------------------------------|--------------------------------|-----------------------------|-------------------------------|---------------------------------|-----------------------------------|---------------------------------|
| Water | 130.00                         | 86.00                          | 44.00                       | 68.00                         | 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<br>300/K-29/6030-12330/04 | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard | State/Province<br>NorthWest Territories | Working Interest (%)<br>88.41 | License #<br>N2030 |
|-----------------------------------|---|---------------------|---|-------------------------------|--------------------|

|                                     |                                |                                       |                                     |                                     |
|-------------------------------------|--------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|
| Original KB Elevation (m)<br>416.40 | Ground Elevation (m)<br>409.60 | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00 | Well Configuration Type<br>Deviated |
|-------------------------------------|--------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|

|                                |                                     |                               |  |
|--------------------------------|-------------------------------------|-------------------------------|--|
| KB-Ground Distance (m)<br>6.80 | KB-Tubing Head Distance (m)<br>4.40 | Total Depth (mKB)<br>3,620.00 | PBTD (All) (mKB)<br>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         | 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 (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 acrross Ft Laird River on barge  |
| 17:30      | 18:00    | 0.50     | 18.00        | TTLY        | 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<br>300/K-29/6030-12330/04                | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |  |  |  |  |
| Original KB Elevation (m)<br>416.40              | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |  |  |  |  |
| KB-Ground Distance (m)<br>6.80                   | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |                    |  |  |  |  |
| <b>Bill 30 Requirements (Head Count Only)</b>    |   |                                       |  |                                     |                    |  |  |  |  |
| Type   |   | Count                                 |  |                                     |                    |  |  |  |  |
| Day Shift  |   |                                       |  |                                     |                    |  |  |  |  |
| <b>Contractor Hours (Head Count &amp; Hours)</b> |   |                                       |  |                                     |                    |  |  |  |  |
| Type   |   | Count                                 |  | Reg Work Time (hr)                  |                    |  |  |  |  |
|  |   |                                       |  |                                     |                    |  |  |  |  |
| <b>Flare Permit</b>                              |   |                                       |  |                                     |                    |  |  |  |  |
| Contract #<br>C03040 C                           | Agreement Start Date<br>11/25/2020        |                                       |  | Agreement End Date                  |                    |  |  |  |  |
| <b>Flaring Volumes</b>                           |   |                                       |  |                                     |                    |  |  |  |  |
| Type   | Subtype                                   | Des                                   | Amount                                       | Units                               |                    |  |  |  |  |
|  |   | No Gas Flared                         |  |                                     |                    |  |  |  |  |
| <b>Report Fluids Summary</b>                     |   |                                       |  |                                     |                    |  |  |  |  |
| Fluid  | Cum to Lease (m³)                         | Cum fm lease (m³)                     | Lease Bal (m³)                               | Cum to Well (m³)                    | Cum from Well (m³) |  |  |  |  |
| Water  | 130.00                                    | 96.00                                 | 4.00   | 98.00                               | 68.00              |  |  |  |  |
| Left to recover (m³)                             |   |                                       |  |                                     |                    |  |  |  |  |
| 30.00  |   |                                       |  |                                     |                    |  |  |  |  |
| <b>Weather &amp; Road Condition</b>              |   |                                       |  |                                     |                    |  |  |  |  |
| 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<br>300/K-29/6030-12330/04 | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard | State/Province<br>NorthWest Territories | Working Interest (%)<br>88.41 | License #<br>N2030 |
|-----------------------------------|---|---------------------|---|-------------------------------|--------------------|

|                                     |                                |                                       |                                     |                                     |
|-------------------------------------|--------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|
| Original KB Elevation (m)<br>416.40 | Ground Elevation (m)<br>409.60 | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00 | Well Configuration Type<br>Deviated |
|-------------------------------------|--------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|

|                                |                                     |                               |  |
|--------------------------------|-------------------------------------|-------------------------------|--|
| KB-Ground Distance (m)<br>6.80 | KB-Tubing Head Distance (m)<br>4.40 | Total Depth (mKB)<br>3,620.00 | PBTD (All) (mKB)<br>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 | 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      | 18:00    | 11.00    | 18.00        | TTLY       | PP           |     | Load and travel across Ft Laird River to barge landing in Ft Laird the following:<br>(4) 63 m3 tanks<br>(1) 50 m3 floc tank<br>(1) McClelland Rentals - 279 mm BOP, 279 mm Annular, Accumulator, Generator and miscellaneous fittings<br>(1) Skyline 34.5 MPa manifold and (4) 75 mm joints line pipe.<br>(2) Portable Wash Rooms<br>(1) Garbage Bin<br>(1) Vac unit load liquid solids from floc tank and haul to disposal<br>(1) Load and transfer to Forest (Dimsdale) 355 Joints Tubing 60.3 mm L-80 9.67 kg/m<br><br>Travel welding unit across Ft Laird River<br><br>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<br>300/K-29/6030-12330/04   | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |                      |                    |
|-------------------------------------|---|---------------------------------------|--|-------------------------------------|--------------------|----------------------|--------------------|
| Original KB Elevation (m)<br>416.40 | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |                      |                    |
| KB-Ground Distance (m)<br>6.80      | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |                    |                      |                    |
| <b>Flare Permit</b>                 |   |                                       |  |                                     |                    |                      |                    |
| Contract #<br>C03040 C              | Agreement Start Date<br>11/25/2020        |                                       | Agreement End Date                           |                                     |                    |                      |                    |
| <b>Flaring Volumes</b>              |   |                                       |  |                                     |                    |                      |                    |
| Type                                | Subtype                                   | Des                                   | Amount                                       | Units                               |                    |                      |                    |
|                                     |   | No Gas Flared                         |  |                                     |                    |                      |                    |
| <b>Report Fluids Summary</b>        |   |                                       |  |                                     |                    |                      |                    |
| 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                |                    |
| <b>Weather &amp; Road Condition</b> |   |                                       |  |                                     |                    |                      |                    |
| 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<br>300/K-29/6030-12330/04  | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030 |     |  |  |  |  |  |
| Original KB Elevation (m)<br>416.40  | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |                    |     |  |  |  |  |  |
| KB-Ground Distance (m)<br>6.80   | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |                    |     |  |  |  |  |  |
| <b>Casing Strings</b>  |   |                                       |  |                                     |                    |     |  |  |  |  |  |
| Csg Des  | Run Date                                  | Set Depth (mKB)                       | Top (mKB)                                    | Len (m)                             | OD (mm)            |     |  |  |  |  |  |
| Conductor  | 2/3/1999                                  | 20.00                                 | 6.80   | 13.20                               | 508.0              |     |  |  |  |  |  |
| Surface  | 2/15/1999                                 | 701.00                                | 6.80   | 694.20                              | 339.7              |     |  |  |  |  |  |
| Intermediate   | 3/30/1999                                 | 2,500.00                              | 6.80   | 2,493.20                            | 244.5              |     |  |  |  |  |  |
| Liner  | 3/31/2006                                 | 2,567.00                              | 1,744.52                                     | 822.48                              | 177.8              |     |  |  |  |  |  |
| Open Hole  |   | 3,620.00                              | 2,567.00                                     | 1,053.00                            | 155.6              |     |  |  |  |  |  |
| <b>Zones / Event Sequence</b>  |   |                                       |  |                                     |                    |     |  |  |  |  |  |
| Zone Name  |   | Zone Code                             |  | Current Status                      |                    |     |  |  |  |  |  |
| Nahanni  |   |                                       |  |                                     |                    |     |  |  |  |  |  |
| <b>Job Information / AFE</b>   |   |                                       |  |                                     |                    |     |  |  |  |  |  |
| Objective<br>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<br>Nahanni  |   |                                       |  |                                     |                    |     |  |  |  |  |  |
| <b>Daily Pressures</b>   |   |                                       |  |                                     |                    |     |  |  |  |  |  |
| Subtype  |   | P (kPa)                               |  |                                     |                    |     |  |  |  |  |  |
| SICP   |   | 0                                     |  |                                     |                    |     |  |  |  |  |  |
| <b>Operation Summary</b>   |   |                                       |  |                                     |                    |     |  |  |  |  |  |
| Operations Next Report Period<br>Load and return rentals. Supervisor travel to base in GP.   |   |                                       |  |                                     |                    |     |  |  |  |  |  |
| Operation at 6am<br>Wait on daylight   |   |                                       |  |                                     |                    |     |  |  |  |  |  |
| <b>24 Hr Operational Comments</b>  |   |                                       |  |                                     |                    |     |  |  |  |  |  |
| 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  | 06:30                                     | 0.50                                  | 6.50   | Safety Mtg                          | PP                 |     | Held safety and operational meeting. Review contractor and PRL JSA for operations and hazards for rig operations. Discuss Injured Worker Transportation Plan and ERP.  |  |  |  |  |
| 06:30  | 10:00                                     | 3.50                                  | 10.00  | Cut/Cap                             | PP                 |     | Load and travel track hoe to site.<br><br>No visible bubbles around wellhead. Swept area and around wellhead for LEL. None detected. Test Production Casing and Surface Casing for LEL. None detected.<br><br>Confirm no existence of underground lines near well centre.<br><br>Track hoe dig bell hole around wellhead to depth of 4.0 m. Ensure proper sloping, stairway exit and spoil pile spacing from bell hole. Buried wooden logs for cribbing around well center.<br><br>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.<br><br>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.<br><br>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.<br><br>Back fill and tamp bell hole with track hoe. Contour and level mound over bell hole.<br><br>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.<br>**Final costs to be adjusted when received**   |  |  |  |  |
| 10:00  | 00:00                                     | 14.00                                 | 24.00  | No Job Activity                     | PP                 |     | 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<br>300/K-29/6030-12330/04                | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard                   | State/Province<br>NorthWest Territories      | Working Interest (%)<br>88.41       | License #<br>N2030                     |
| Original KB Elevation (m)<br>416.40              | Ground Elevation (m)<br>409.60            | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00          | Well Configuration Type<br>Deviated |  |
| KB-Ground Distance (m)<br>6.80                   | KB-Tubing Head Distance (m)<br>4.40       | Total Depth (mKB)<br>3,620.00         | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |                                     |  |
| <b>6:00 Update</b>                               |   |                                       |  |                                     |  |
| Start Time<br>00:00                              | End Time<br>08:00                         | Dur (hr)<br>8.00                      | Time Code<br>PP                              | NPT                                 | Operation Details<br>Wait on daylight. |
| <b>Other In Hole</b>                             |   |                                       |  |                                     |  |
| 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                        |
| <b>Bill 30 Requirements (Head Count Only)</b>    |   |                                       |  |                                     |  |
| Type   |   |                                       | Count  |                                     |  |
| Day Shift  |   |                                       |  |                                     | 4                                      |
| <b>Contractor Hours (Head Count &amp; Hours)</b> |   |                                       |  |                                     |  |
| Type   |   | Count                                 |  | Reg Work Time (hr)                  |  |
|  |   |                                       |  |                                     |  |
| <b>Flare Permit</b>                              |   |                                       |  |                                     |  |
| Contract #<br>C03040 C                           | Agreement Start Date<br>11/25/2020        |                                       | Agreement End Date                           |                                     |  |
| <b>Flaring Volumes</b>                           |   |                                       |  |                                     |  |
| Type   | Subtype                                   | Des                                   | Amount                                       | Units                               |  |
|  |   | No Gas Flared                         |  |                                     |  |
| <b>Report Fluids Summary</b>                     |   |                                       |  |                                     |  |
| Fluid  | Cum to Lease (m³)                         | Cum fm lease (m³)                     | Lease Bal (m³)                               | Cum to Well (m³)                    | Cum from Well (m³)                     |
| Other  | 0.00                                      | 10.00                                 | -10.00                                       |                                     |  |
| Water  | 130.00                                    | 126.00                                | -26.00                                       | 98.00                               | 68.00                                  |
|  |   |                                       |  |                                     | 30.00                                  |
| <b>Weather &amp; Road Condition</b>              |   |                                       |  |                                     |  |
| 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<br>300/K-29/6030-12330/04 | Surface Legal Location<br>K-29/6030-12330 | Field Name<br>Liard | State/Province<br>NorthWest Territories | Working Interest (%)<br>88.41 | License #<br>N2030 |
|-----------------------------------|---|---------------------|---|-------------------------------|--------------------|

|                                     |                                |                                       |                                     |                                     |
|-------------------------------------|--------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|
| Original KB Elevation (m)<br>416.40 | Ground Elevation (m)<br>409.60 | Casing Flange Elevation (m)<br>409.60 | Tubing Head Elevation (m)<br>412.00 | Well Configuration Type<br>Deviated |
|-------------------------------------|--------------------------------|---------------------------------------|-------------------------------------|-------------------------------------|

|                                |                                     |                               |  |
|--------------------------------|-------------------------------------|-------------------------------|--|
| KB-Ground Distance (m)<br>6.80 | KB-Tubing Head Distance (m)<br>4.40 | Total Depth (mKB)<br>3,620.00 | PBTD (All) (mKB)<br>Original Hole - 1,734.75 |
|--------------------------------|-------------------------------------|-------------------------------|--|

| 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   |         |               |       |            |

| Zone Name | Zone Code | Current Status |
|-----------|-----------|----------------|
| Nahanni   |           |                |

| Job Information / AFE |
|-----------------------|
|-----------------------|

|  |
|--|
| Objective<br>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<br>Nahanni |
|-----------------------------|

| Daily Pressures |
|-----------------|
| Subtype<br>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.<br><br>WSS > Dusty Schneider travel back to base ( G.P.)<br><br>Job completed.<br><br>**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 #<br>C03040 C | Agreement Start Date<br>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<br>Clear         | T (°C)<br>30 | Road Cond<br>Good |  |





# Tubing and Rods (Schematic)

Well Name: PARAMOUNT ET AL LIARD K-29A

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

| Tubing - Secondary Production set at 3,121.80mKB on 9/20/2013 00:00                              |                                      |                       |                             |                       |                                |               |       |                       |
|--|--------------------------------------|-----------------------|-----------------------------|-----------------------|--------------------------------|---------------|-------|-----------------------|
| Des<br>Tubing -<br>Secondary<br>Production   | Set Depth (mKB)<br>3,121.80          | Run Date<br>9/20/2013 | Lateral Position            |                       | Pull Date                      | Cut/Pull Date |       | Depth Cut/Pull (...   |
| Item #<br>1-1  | Item Description<br>Tubing Pup Joint | Joints                | Length (m)<br>2.40          | OD (mm)<br>88.9       | ID (mm)                        | Wt (kg/m)     | Grade | Top (mKB)<br>3,087.28 |
| Comment  |                                      |                       |                             |                       |                                |               |       |                       |
| Item #<br>1-2  | Item Description<br>Packer           | Joints                | Length (m)<br>1.60          | OD (mm)<br>177.8      | ID (mm)                        | Wt (kg/m)     | Grade | Top (mKB)<br>3,089.68 |
| Comment  |                                      |                       |                             |                       |                                |               |       |                       |
| Item #<br>1-3  | Item Description<br>Centralizer      | Joints                | Length (m)<br>0.32          | OD (mm)<br>147.6      | ID (mm)                        | Wt (kg/m)     | Grade | Top (mKB)<br>3,091.28 |
| Comment  |                                      |                       |                             |                       |                                |               |       |                       |
| Item #<br>1-4  | Item Description<br>Tubing Pup Joint | Joints                | Length (m)<br>3.10          | OD (mm)<br>88.9       | ID (mm)                        | Wt (kg/m)     | Grade | Top (mKB)<br>3,091.60 |
| Comment  |                                      |                       |                             |                       |                                |               |       |                       |
| Item #<br>1-5  | Item Description<br>Tubing Pup Joint | Joints                | Length (m)<br>2.40          | OD (mm)<br>88.9       | ID (mm)                        | Wt (kg/m)     | Grade | Top (mKB)<br>3,094.70 |
| Comment  |                                      |                       |                             |                       |                                |               |       |                       |
| Item #<br>1-6  | Item Description<br>Tubing           | Joints                | Length (m)<br>19.10         | OD (mm)<br>88.9       | ID (mm)                        | Wt (kg/m)     | Grade | Top (mKB)<br>3,097.10 |
| Comment  |                                      |                       |                             |                       |                                |               |       |                       |
| Item #<br>1-7  | Item Description<br>Tubing Pup Joint | Joints                | Length (m)<br>2.40          | OD (mm)<br>88.9       | ID (mm)                        | Wt (kg/m)     | Grade | Top (mKB)<br>3,116.20 |
| Comment  |                                      |                       |                             |                       |                                |               |       |                       |
| Item #<br>1-8  | Item Description<br>Tubing Pup Joint | Joints                | Length (m)<br>2.40          | OD (mm)<br>88.9       | ID (mm)                        | Wt (kg/m)     | Grade | Top (mKB)<br>3,118.60 |
| Comment  |                                      |                       |                             |                       |                                |               |       |                       |
| Item #<br>1-9  | Item Description<br>Profile Nipple   | Joints                | Length (m)<br>0.30          | OD (mm)<br>88.9       | ID (mm)                        | Wt (kg/m)     | Grade | Top (mKB)<br>3,121.00 |
| Comment  |                                      |                       |                             |                       |                                |               |       |                       |
| Item #<br>1-10   | Item Description<br>Centralizer      | Joints                | Length (m)<br>0.30          | OD (mm)<br>147.6      | ID (mm)                        | Wt (kg/m)     | Grade | Top (mKB)<br>3,121.30 |
| Comment  |                                      |                       |                             |                       |                                |               |       |                       |
| Item #<br>1-11   | Item Description<br>pump out plug    | Joints                | Length (m)<br>0.20          | OD (mm)<br>88.9       | ID (mm)                        | Wt (kg/m)     | Grade | Top (mKB)<br>3,121.60 |
| Comment  |                                      |                       |                             |                       |                                |               |       |                       |
| Other In Hole  |                                      |                       |                             |                       |                                |               |       |                       |
| Description<br>Bridge Plug -<br>Permanent  |                                      | OD (mm)<br>159.5      | Top Depth (mKB)<br>2,509.80 | Btm (mKB)<br>2,510.30 | Run Date<br>9/23/2013<br>16:45 |               |       |                       |
| Comment<br>10k permanent Bp Capped with 12.5 linear meters thermal cement.                       |                                      |                       |                             |                       |                                |               |       |                       |
| Description<br>Bridge Plug -<br>Permanent  |                                      | OD (mm)<br>215.9      | Top Depth (mKB)<br>1,734.75 | Btm (mKB)<br>1,735.25 | Run Date<br>9/24/2013<br>01:00 |               |       |                       |
| Comment<br>10K Baker permanent bridge plug pressure tested to 14,000kpa x 15 minutes, good test. |                                      |                       |                             |                       |                                |               |       |                       |



## Tubing and Rods (Schematic)

Well Name: PARAMOUNT ET AL LIARD K-29A

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

|   |   |                  |                             |                       |                                |                |
|---|---|------------------|-----------------------------|-----------------------|--------------------------------|----------------|
| Deviated, Deepening, 8/30/2023 11:19:48 AM  | Other In Hole                             |                  |                             |                       |                                |                |
| Vertical schematic (actual)   |   |                  |                             |                       |                                |                |
|   | Description<br>Thermal<br>Cement          | OD (mm)<br>222.4 | Top Depth (mKB)<br>1,700.10 | Btm (mKB)<br>1,734.75 | Run Date<br>8/18/2023<br>16:00 | Mill/Pull Date |
| Comment<br>Reverse circulate 70 m <sup>3</sup> fresh non-saline water at 600 L/min x 7.0 MPa. Entire hole changed to fresh non-saline water.<br>- Rig in Cement Unit. Test line 14 MPa. Held 5 minutes. Pump 1.6 m <sup>3</sup> Charger Thermal 40 + 1.0% CHGC -2 x 1800 kg/m <sup>3</sup> cement slurry. Slurry Yield 0.80 m <sup>3</sup> /t. Thick time 1.5 hrs. Pump rate 450 L/min x 4.5 MPa. Displace behind cement slurry 3.2 m <sup>3</sup> fresh (non-saline) water 20°C. Circulated and balance cement plug from 1700.1 mKB to 1734.7 mKB. Rig down pump line  | Description<br>Fresh Water<br>(Permanent) | OD (mm)<br>222.4 | Top Depth (mKB)<br>1,250.00 | Btm (mKB)<br>1,700.10 | Run Date<br>8/18/2023<br>16:01 | Mill/Pull Date |
| Comment<br>Fresh Non-Saline Water   | Description<br>Thermal<br>Cement          | OD (mm)<br>222.4 | Top Depth (mKB)<br>1,199.00 | Btm (mKB)<br>1,250.00 | Run Date<br>8/19/2023<br>18:00 | Mill/Pull Date |
| Comment<br>Pump 3.5 m <sup>3</sup> Charger Thermal-40+1.0% CHGC-2 x 1850 kg/m <sup>3</sup> cement slurry at 16:26 hrs. Slurry Yield 0.87 m <sup>3</sup> /t. Thick time 1.5 hrs. Pump rate 400 L/min x 3.0 MPa. Pump behind cement slurry 2.1 m <sup>3</sup> fresh non-saline water. Circulate cement plug from 1199 mKB to 1250 mKB. Rig down pump line.  | Description<br>Thermal<br>Cement          | OD (mm)<br>222.4 | Top Depth (mKB)<br>928.00   | Btm (mKB)<br>1,004.00 | Run Date<br>8/20/2023<br>17:00 | Mill/Pull Date |
| Comment<br>Rig in pump line to wellhead. Test surface line 14 MPa. Held.  |   |                  |                             |                       |                                |                |
| Pump 5.2 m <sup>3</sup> Charger Thermal-40+1.0% CHGC-2 x 1850 kg/m <sup>3</sup> cement slurry at 14:32 hrs. Slurry Yield 0.87 m <sup>3</sup> /t. Thick time 1.5 hrs. Pump rate 400 L/min x 2.0 MPa. Pump behind cement slurry 1.5 m <sup>3</sup> fresh non-saline water. Circulate cement plug from 874 mKB to 1004 mKB.  |   |                  |                             |                       |                                |                |
| Rig down pump line from wellhead.   | Description<br>Fresh Water<br>(Permanent) | OD (mm)<br>222.4 | Top Depth (mKB)<br>1,004.00 | Btm (mKB)<br>1,199.00 | Run Date<br>8/20/2023<br>17:01 | Mill/Pull Date |
| Comment<br>Fresh Non-Saline Water   | Description<br>Fresh Water<br>(Permanent) | OD (mm)<br>222.4 | Top Depth (mKB)<br>704.10   | Btm (mKB)<br>928.00   | Run Date<br>8/21/2023<br>16:20 | Mill/Pull Date |
| Comment<br>Fresh Non-Saline Water   | Description<br>Cement<br>Retainer         | OD (mm)<br>222.4 | Top Depth (mKB)<br>700.00   | Btm (mKB)<br>700.20   | Run Date<br>8/21/2023<br>16:21 | Mill/Pull Date |
| Comment<br>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.   | Description<br>Micro Fine<br>Cement       | OD (mm)<br>222.4 | Top Depth (mKB)<br>700.20   | Btm (mKB)<br>704.10   | Run Date<br>8/22/2023<br>13:34 | Mill/Pull Date |
| Comment<br>Pump 1.0 m <sup>3</sup> Charger MicroFine Cement x 1450 kg/m <sup>3</sup> cement slurry at 12:15 hrs x 250 L/min x 2 MPa. Slurry Yield 1.41 m <sup>3</sup> /t. Work time 1.0 hr. Pump behind cement slurry 0.3 m <sup>3</sup> 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 m <sup>3</sup> Fresh Non-Saline Water. Recover 100 L cement water. | Description<br>Thermal<br>Cement          | OD (mm)<br>222.4 | Top Depth (mKB)<br>665.00   | Btm (mKB)<br>700.00   | Run Date<br>8/22/2023<br>15:14 | Mill/Pull Date |
| Comment<br>Pump 1.6 m <sup>3</sup> Charger Thermal-40+1.0% CHGC-2 + .5 CaCl <sub>2</sub> x 1850 kg/m <sup>3</sup> cement slurry. Slurry Yield 0.87 m <sup>3</sup> /t. Thick time 1.5 hrs. Rate 400 L/min x 2.0 MPa. Pump behind cement slurry 1.1 m <sup>3</sup> fresh non-saline water. Circulate cement plug from 665 mKB to 700 mKB.   |   |                  |                             |                       |                                |                |



## Tubing and Rods (Schematic)

Well Name: PARAMOUNT ET AL LIARD K-29A

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

| 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  |

|  |  |
|--|--|
| Glacier Tile; 6.80-10.00<br>Steel Plate; 10.00-10.05<br>Conductor Cement; 6.80-20.00<br>Fresh Water (Permanent); 27.00-665.00<br><br>Besa River<br><br>Surface Casing Cement; 6.80-701.00<br>Thermal Cement; 665.00-700.00<br>Cement Retainer; 700.00-700.20<br>Micro Fine Cement; 700.20-704.10<br>Squeezed (702.00-704.00)<br>Fresh Water (Permanent); 704.10-928.00<br>Thermal Cement; 928.00-1,004.00<br>Squeezed (987.00-989.00)<br>Fresh Water (Permanent); 1,004.00-1,199.00<br>Production Casing Cement; 6.80-2,500.00<br>Thermal Cement; 1,199.00-1,250.00<br>Squeezed (1,233.00-1,235.00)<br><br>Exshaw (fin...<br>Lower Bes...<br>Bridge Plug - Permanent; 1,734.75-1,735.25<br>Plug back & whipstock; 1,853.00-2,300.00<br>Liner Cement; 1,740.00-2,567.00<br>Bridge Plug - Permanent; 2,509.80-2,510.30<br><br>1-1; Tubing Pup Joint<br>1-2; Packer<br>1-3; Centralizer<br>1-4; Tubing Pup Joint<br>1-5; Tubing Pup Joint<br>1-6; Tubing<br>1-7; Tubing Pup Joint<br>1-8; Tubing Pup Joint<br>1-9; Profile Nipple<br>1-10; Centralizer<br>1-11; pump out plug |  |
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