

February 13, 2023

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

Via email only

**Attention: Ms. Pauline de Jong**  
Executive Director

**Cover Letter for Cut/Cap Operation as part of the Well Abandonment**  
**PARAMOUNT ET AL ARROWHEAD, ACW-2022-PAR-O-15-WID1834**

Please find attached for submission the required documents for Well Termination (Abandonment) of the 300/O-15/6030-12300/01 well, Licence # 1834

Attachments include:

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

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

Sincerely,



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<br>ARROWHEAD O-15 | Operator                         | Paramount Resources Ltd. |
| Well Identifier (WID) | 1834                              | Unique Well Identifier (30xx...) | 300/O-15/6030/12300/01   |

### STATUS INFORMATION

Effective Date: February 2, 2023

Well Type: Other

If other, specify:

Well Mode: Abandoned

If other, specify:

Other: Well never produced

If other, specify:

Fluid Production: (choose all applicable)

|                |    |                         |   |
|----------------|----|-------------------------|---|
| Not applicable | -  | Steam                   | - |
| Crude Oil      | -  | Air                     | - |
| Gas            | x- | Carbon Dioxide          | - |
| Water          | -  | Nitrogen                | - |
| Brine          | -  | Liquefied Petroleum Gas | - |
| Acid Gas       | -  | Bitumen                 | - |
| Solvent        | -  | Other                   | - |

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

|           |   |        |  |
|-----------|---|--------|--|
| Name      | John Hawkins  | Phone  | (403) 817 Ext 5074   |
| Title     | Director Asset Management   | E-Mail | <a href="mailto:john.hawkins@paramountres.com">john.hawkins@paramountres.com</a> |
| Operator  | Paramount Resources Ltd.  |        |  |
| Signature |  | Date   | 2023-02-13   |
|           | <i>John Hawkins</i>   |        |  |
|           | Responsible Officer of Company  |        |  |

## WELL TERMINATION RECORD

**INSTRUCTIONS:**

1. Complete both pages.
2. Send one electronic copy of this form and supporting technical documentation by email to [orogo@gov.nt.ca](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<br>ARROWHEAD O-15             | Operator            | Paramount Resources Ltd. |
| Well Type       | Exploratory Well (if Other, specify<br>_____) | Contractor          | Precision Well Servicing |
| Well Identifier | 1834  | 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-O-15-<br>WID1834 |

**LOCATION INFORMATION**

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

|             |     |              |   |      |               |   |
|-------------|-----|--------------|---|------|---------------|---|
| Surface     | Lat | 60 ° 41498 ' | " | Long | 123 ° 04351 ' | " |
| Bottom Hole | Lat | 60 ° 41498 ' | " | Long | 123 ° 04351 ' | " |

Region: Dehcho    Unit 0    Section 15    Grid 60-30 123-00

**ACTIVITY INFORMATION**

|                     |               |                         |              |
|---------------------|---------------|-------------------------|--------------|
| Target Formation(s) | Nahanni       | Field/Pool(s)           | Liard / East |
| Elevation KB/RT     | 487.0 m       | Ground Level / Seafloor | 380.5 m      |
| Spud/Re-entry Date  | days          | Total Depth             | 3301.0 m KB  |
| Rig Release Date    | March 6, 1999 | Total Vertical Depth    | 3349.2 m KB  |

**CASING AND CEMENTING PROGRAM**

| O.D. (mm) | Weight (kg/m) | Grade | Setting Depth (m KB) | Cementing (m <sup>3</sup> ) |
|-----------|---------------|-------|----------------------|-----------------------------|
| 339.7     | 81.1          | J55   | 499.0                | 56                          |
| 244.5     | 64.7          | L80   | 1186.6               | 68                          |
| 177.8     | 38.7          | L80   | 2805.0               | 39.3                        |

| PLUGGING PROGRAM |                 |        |                      |                             |
|------------------|-----------------|--------|----------------------|-----------------------------|
| Type of Plug     | Interval (m KB) | Felt   | Setting Depth (m KB) | Cementing (m <sup>3</sup> ) |
| Cement           | 2780-3301.0     | Yes    | 3301.0               |                             |
| Bridge           | 2298.0-2306.0   | Select | 2306.0               |                             |
| Select           | -               | Select |                      |                             |
| Select           | -               | Select |                      |                             |

| PERFORATION     |                 |
|-----------------|-----------------|
| Interval (m KB) | Comments        |
| -               | No Perforations |
| -               |                 |
| -               |                 |
| -               |                 |
| -               |                 |

| OTHER   |                                    |
|---|------------------------------------|
| Lost Circulation/Overpressure Zones                 | No                                 |
| Equipment Left on Site (Describe)                   | Wellhead/Tombstone Sign            |
| Provision for Re-entry (Describe and attach sketch) | No                                 |
| Other Downhole Completion/Suspension                | Well was zonally abandoned in 1999 |
| Additional Comments                                 |                                    |

| <i>"I certify that the information provided on this form is true and correct"</i> |   |        |                               |
|---|---|--------|-------------------------------|
| Name  | John Hawkins  | Phone  | (403) 817 Ext 5074            |
| Title   | Director Asset Management   | E-Mail | john.hawkins@paramountres.com |
| Operator  | Paramount Resources Ltd.  |        |                               |
| Signature   |  | Date   | 2023-02-13                    |
|   | <i>Responsible Officer of Company</i>   |        |                               |



# ARO Daily Op Summary

Well Name: PARAMOUNT ET AL ARROWHEAD O-15

## Well Header

|                                   |   |                                |                               |   |                                     |
|-----------------------------------|---|--------------------------------|-------------------------------|---|-------------------------------------|
| API/UWI<br>300/O-15/6030-12300/01 | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead        | License #<br>N1834            | State/Province<br>NorthWest Territories | Well Configuration Type<br>Deviated |
| Ground Elevation (m)<br>380.50    | Casing Flange Elevation (m)               | KB-Ground Distance (m)<br>6.20 | KB-Casing Flange Distance (m) | Spud Date<br>1/18/1999                  | Rig Release Date<br>2/15/1999       |

## Daily Operations

| Start Date | Summary  |
|------------|--|
| 1/14/2023  | <p><b>HSE Summary:</b><br/>No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Construction start clearing, leveling and freezing in access road to site.</li> <li>- Contractors on standby in camp awaiting completion of access road and leveling of site.</li> <li>- End of report for day.</li> </ul>  |
| 1/26/2023  | <p><b>HSE Summary:</b><br/>No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Rig perform scheduled maintenance on equipment.</li> <li>- Contractors on standby in camp.</li> <li>- Wait on track hoe or welder to perform Cut n Cap operations on other sites.</li> <li>- Wait on construction to freeze in road access.</li> <li>- End of report</li> </ul>   |
| 1/27/2023  | <p><b>HSE Summary:</b><br/>No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Supervisor inspect site prior to start of operations. No signs of hydrocarbon staining on site. No signs of LEL or H2S at wellhead.</li> <li>- Travel PWS # 830, test unit, flare stack, (2) 63 m<sup>3</sup> tank, (1) 100 HP boiler, 279 mm BOP, 279 mm BOP Accumulator building, 279 mm BOP Generator building, 5 MPa x 12 m<sup>3</sup> test vessel, 19 m flare stack and (2) offices to site. Slow travel on ice road.</li> <li>- Construction assist in level ground around well centre.</li> <li>- Rig up PWS # 830 and support equipment as per contractor, government and PRL policies and procedures. Perform on going CAODC inspection as rig in equipment. Setup StarLink Communication. Rig in boiler and lines. Haul in 64 m<sup>3</sup> non-saline (fresh) water.</li> <li>- Confirm surface casing vent is open. Perform 30 minute surface casing vent bubble test. No bubbles</li> <li>- Install Annular Bag onto BOP. Run accumulator lines to BOP. Setup remote control stand.</li> <li>- Heat and stomp function BOP's. Start pressure 21 MPa. Close blind rams 8 secs. Close pipe rams in 8 secs. Close Annular 42 secs. End pressure 11 MPa. Recharge system in 3:31 minutes.</li> <li>- Stomp pressure test blind rams and tubing rams to 1.4 MPa (low) and 21 MPa (high). Held each 10 min. Test Annular Bag to 1.4 MPa (low) and 10 MPa (high). Held each test 10 min.</li> <li>- Confirm well static. Remove Upper Wellhead Dual 34.5 MPa Master Valve and 279 mm Adapter Flange.</li> <li>- Install 279 mm x 34.5 MPa Class III BOP on wellhead. Rig in tubing handling equipment. Thread in 73 mm Pup joint to Tubing Hanger. Pressure test wellhead connection 1.4 MPa (low) and 21 MPa (high). Held each 10 min. Pull out pup joint and tubing hanger.</li> <li>- Winterize and secure wellhead. SDFN rig crew.</li> <li>- Night boiler hand to heat wellhead and tank for night.</li> <li>- End report for day.</li> </ul> |
| 1/28/2023  | <p><b>HSE Summary:</b><br/>No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Pump 0.1 m<sup>3</sup> non-saline (fresh) water to fill casing. Pressure test 177.8 mm casing and PBP at 2306 mKB to 8216 KPa. Held 15 minutes. No leak off. Good test. Bleed off pressure.</li> <li>- Spot and rig in electric line unit. Install 279 mm electric line well control equipment and adapter flange on top of 34.5 MPa x 279 mm Class III BOP. Run in hole CCL / Radial Cement Evaluation Tool. Correlate on depth to 244.5 m Intermediate # 1 Casing Shoe at 1186.6 mKB. Tag obstruction Permanent Bridge Plug at 2306 mKB. Log well from 2306 mKB to surface. Send log into Calgary for further evaluation and correlation. Rig down electric line adapter flange and well control equipment. Rig down electric line unit.</li> <li>- Tally, drift, pickup and run in (1) Reg Tubing Collar 73 mm L-80 and (145) Joints Tubing 73 mm L-80 9.67 kg/m. Position tubing bottom 1380 mKB for night.</li> <li>**NOTE** Run in hole slowly to allow rig pump to suck tubing displacement of water from casing.</li> <li>- Winterize and secure wellhead.</li> <li>- SDFN rig crew.</li> <li>- Night boiler hand to heat wellhead and tank for night.</li> <li>- End report for day.</li> </ul>  |



# ARO Daily Op Summary

**Paramount**

*resources ltd.*

**Well Name: PARAMOUNT ET AL ARROWHEAD O-15**

**Well Header**

|                                   |   |                                |                               |   |                                     |
|-----------------------------------|---|--------------------------------|-------------------------------|---|-------------------------------------|
| API/UWI<br>300/O-15/6030-12300/01 | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead        | License #<br>N1834            | State/Province<br>NorthWest Territories | Well Configuration Type<br>Deviated |
| Ground Elevation (m)<br>380.50    | Casing Flange Elevation (m)               | KB-Ground Distance (m)<br>6.20 | KB-Casing Flange Distance (m) | Spud Date<br>1/18/1999                  | Rig Release Date<br>2/15/1999       |

**Daily Operations**

| Start Date | Summary   |
|------------|---|
| 1/29/2023  | <p><b>HSE Summary:</b><br/>No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Continue to tally, drift, pickup and run in hole (94) Joints Tubing 73 mm L-80 9.67 kg/m</li> <li>- Tag Permanent Bridge Plug 2306 mKB. Position tubing bottom 2305.7 mKB. Rig in circulation lines. Reverse circulate 50 m<sup>3</sup> fresh (non-saline) water at 500 L/min x 2.5 MPa. Recover 46 m<sup>3</sup> produced water with salinity of 28,000 ppm. The last 4 m<sup>3</sup> recover is fresh (non saline) water. The entire wellbore displaced to fresh (non-saline) water.</li> <li>- Wait on cement units and vac unit.</li> <li>- Pull and lay down (2) Joints Tubing 73 mm L-80. Tubing bottom 2288 mKB to lower fluid level.</li> <li>- Winterize and secure equipment and site.</li> <li>- SDFN rig crew.</li> <li>- Boiler hand to maintain heat on fluid and equipment.</li> <li>- End report for day.</li> </ul>   |
| 1/30/2023  | <p><b>HSE Summary:</b><br/>No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Run in (2) Joints Tubing 73 mm L-80 9.67 kg/m. Position tubing bottom 2305.7 mKB.</li> <li>- Rig in Cement Unit. Test pump line 16.0 MPa. Held 5 minutes. Mix and pump 1.0 m<sup>3</sup> Charger Thermal 40 + 0.3% CHRT-H x 1800 kg/m<sup>3</sup> cement slurry. Slurry Yield 0.830 m<sup>3</sup>/t. Fluid loss 35 cc/min. Thick time 3.0 hrs. Pump rate 500 L/min x 3 MPa. Displace behind cement slurry 6.7 m<sup>3</sup> fresh (non-saline) water 25°C. Circulated and balance cement plug from 2256 mKB to 2306 mKB. No signs activity from SCVF. Rig down pump line. Release cement units.</li> <li>- Lay down (6) Joints Tubing 73 mm L-80 6.99 kg/m. Position tubing bottom 2249 mKB.</li> <li>- Reverse circulate 10 m<sup>3</sup> (total) - 25° fresh (non-saline) water at 500 L/min x 3.0 MPa. Returns show salinity 0 ppm. End returns are clean fresh (non-saline) water. Entire hole displaced to non-saline (fresh) water.</li> <li>- Wait 4 hours for cement to thicken. Rig out and release test vessel and flare stack.</li> <li>- Pump 0.50 m<sup>3</sup> fresh (non-saline) water to pressure test 177.8 mm casing and cement to 7147 KPa. Held 15 minutes. Pressure end 7086 KPa. Good test.</li> <li>- Run in hole (2) Joints Tubing 73 mm L-80 9.67 kg/m. Tag cement top 2260 mKB with 1800 daN weight.</li> <li>- Pull and lay down 213 Joints Tubing 73 mm L-80 9.67 kg/m. Pull and stand 26 = Joints Tubing L-80 9.67 kg/m. Displacement from 2260 m of 73 mm tubing L-80 9.67 kg/m is 2.78 m<sup>3</sup> ( 139 m ).</li> <li>- Pump 1.7 m<sup>3</sup> fresh (non-saline) water to fill fluid level in casing to 50 mKB.</li> <li>- Run in (1) Solid Bull Plug 73 mm x 0.10 m and (26) Joints Tubing 73 mm L-80 9.67 kg/m Tubing. Tubing bottom 251 mKB. This to confirm fluid level in casing is at 50 mKB.</li> <li>- Pull and lay down (26) Joints Tubing 73 mm L-80 9.67 kg/m and (1) Solid Bull Plug 73 mm x 0.10 m.</li> <li>- Vac unit clean out rig tank.</li> <li>- Winterize and secure equipment and site. SDFN rig crew.</li> <li>- Boiler hand to maintain heat on fluid and equipment.</li> <li>- End report for day.</li> </ul> |
| 1/31/2023  | <p><b>HSE Summary:</b><br/>No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Rig down working floor and tubing handling equipment. Split and rig down 279.4 mm BOP and 279.4 mm Annular Bag. Spool remote accumulator lines and operations stand. Prepare to return rental BOP stack.</li> <li>- Install 279.4 mm Adapter Flange with Dual Master Valve on wellhead. Secure outlets on wellhead in preparation of Cut n cap operations scheduled for 2-Feb-2023.</li> <li>- Rig down pump line, return line and steam lines. Rig down PWS # 830 and support equipment. Prepare equipment for transport to staging area PRL 300/C-02-6040-12300/0. Haul all fluids off site.</li> <li>- Load and travel 279 mm BOP, 279 mm Annular, 279 mm Accumulator, 279 mm Accumulator Generator and misc fittings back to base.</li> <li>- Inspect, clean and secure site.</li> <li>- Travel PWS # 830 and support equipment to staging area PRL 300/C-02-6040-12300/0.</li> <li>- Winterize and secure PWS # 830 equipment at PRL 300/C-02-6040-12300/0.</li> <li>- SDFN</li> </ul>  |



## ARO Daily Op Summary

**Paramount**

*resources Ltd.*

**Well Name: PARAMOUNT ET AL ARROWHEAD O-15**

**Well Header**

|                                   |   |                                |                               |   |                                     |
|-----------------------------------|---|--------------------------------|-------------------------------|---|-------------------------------------|
| API/UWI<br>300/O-15/6030-12300/01 | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead        | License #<br>N1834            | State/Province<br>NorthWest Territories | Well Configuration Type<br>Deviated |
| Ground Elevation (m)<br>380.50    | Casing Flange Elevation (m)               | KB-Ground Distance (m)<br>6.20 | KB-Casing Flange Distance (m) | Spud Date<br>1/18/1999                  | Rig Release Date<br>2/15/1999       |

**Daily Operations**

| Start Date | Summary   |
|------------|---|
| 2/1/2023   | <p><b>HSE Summary:</b><br/>No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- Mobilize PWS 830 to Laird Hwy. Load PWS # 830 on wheeler unit. Travel to BC / NWT Border. Unload PWS # 830. Travel rig and support equipment to Ft Nelson.</li> <li>- Load and haul to base (2) 63 m<sup>3</sup> test tanks, (3) rig matting, 248 Joints Tubing 73 mm L-80 9.67 kg/m, (1) pipe rack, (1) catwalk, (1) bathroom and (1) office trailer.</li> <li>- Load and travel track hoe from PRL 300/B-41-6040-12245/0. to site. Unload track hoe.</li> <li>- No visible bubbles around wellhead. Swept area and around wellhead for LEL. None detected. Test Intermediate Casing # 1 and Surface Casing for LEL. None detected.</li> <li>- Confirm no existence of underground lines near well centre.</li> <li>- Track hoe start dig bellhole around wellhead to depth of 0.5 m. Ensure proper slopping, stairway exit and spoil pile spacing from bell hole.</li> <li>- Secure and flag off bellhole perimeter for night.</li> <li>- Leave equipment on site for night.</li> <li>- End report for day.</li> </ul>   |
| 2/2/2023   | <p><b>HSE Summary:</b><br/>No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p><b>Operations Summary:</b></p> <ul style="list-style-type: none"> <li>- PWS # 830 start travel from Ft Nelson to Precision Well Servicing yard in Ft St John.</li> <li>- No visible bubbles around wellhead. Swept area and around wellhead for LEL. None detected. Swept 244.5 mm Production Casing and 339.7 mm Surface Casing for LEL. None detected. Confirm reading with welder 4 Head Monitor.</li> <li>- Track hoe finish digging bellhole around wellhead to depth of 3.0 m. Ensure proper slopping, stairway exit and spoil pile spacing from bellhole. No signs contaminated soil around wellhead.</li> <li>- Cut and remove 508 mm conductor at 2.60 m (9.1 mKB) below surface casing flange. Chip away cement between conductor and surface casing.</li> <li>- Cut window in 339.7 mm Surface Casing, 244.5 mm Intermediate #1 Casing and 177.8 mm Intermediate #2 Casing.</li> <li>- Cut and bevel 339.7 mm Surface Casing at 2.40 m (8.9 mKB). Cut and bevel 244.5 mm Intermediate # 1 Casing at 2.3 m (8.8 mKB). Cut and bevel 177.8 mm Intermediate Casing # 2 at 2.25 m ( 8.75 mKB). KB-GL = 6.5 m.</li> <li>- Surface cement between Surface Casing and Intermediate # 1 - 244.5 mm casing. No surface cement between Intermediate # 1 - 244.5 mm Casing and Intermediate # 2 - 177.8 mm Casing.</li> <li>- Stitch (vent) weld 6.3 mm plate on top of 339.7 mm Surface Casing, 244.5 mm Intermediate # 1 Casing and 177.8 mm Intermediate # 2 Casing. Weld write 1834 on 177.8 mm Production Casing cap.</li> <li>- Back fill and tamp bellhole. Rough level and mound up surface ground over bellhole.</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 45° - Tombstone marker 1834 + Paramount Res Ltd + Lat 60° 24' 53.694" N + Long 123° 02' 31.174" W + NAD 83</li> <li>- Cut n Cap job completed. Release contractors.</li> <li>- PWS # 830 finish travel from Ft Nelson to Precision Well Servicing yard in Ft St John.</li> <li>- Job completed.</li> </ul> <p>*** Adjust final costs as received***</p> |



## Daily ARO Operations

**Well: PARAMOUNT ET AL ARROWHEAD O-15**

**Pad: O-15/6030-12300**

**Business Unit: Central and Other**

**Rig: Precision Well Servicing 830**

**Report Date: 1/14/2023**

**Report #: 1**

|                                   |   |                         |   |                            |                    |
|-----------------------------------|---|-------------------------|---|----------------------------|--------------------|
| API/UWI<br>300/O-15/6030-12300/01 | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead | State/Province<br>NorthWest Territories | Working Interest (%)<br>50 | License #<br>N1834 |
|-----------------------------------|---|-------------------------|---|----------------------------|--------------------|

|                                     |                                |                             |                           |                                     |
|-------------------------------------|--------------------------------|-----------------------------|---------------------------|-------------------------------------|
| Original KB Elevation (m)<br>386.70 | Ground Elevation (m)<br>380.50 | Casing Flange Elevation (m) | Tubing Head Elevation (m) | Well Configuration Type<br>Deviated |
|-------------------------------------|--------------------------------|-----------------------------|---------------------------|-------------------------------------|

|                                |                             |                               |  |
|--------------------------------|-----------------------------|-------------------------------|--|
| KB-Ground Distance (m)<br>6.20 | KB-Tubing Head Distance (m) | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |
|--------------------------------|-----------------------------|-------------------------------|--|

| Csg Des   | Run Date | Set Depth (mKB) | Top (mKB) | Len (m)  | OD (mm) | ID (mm) | Wt/Len (kg/m) | Grade | Top Thread |
|-----------|----------|-----------------|-----------|----------|---------|---------|---------------|-------|------------|
| Conductor |          | 10.00           | 6.20      | 3.80     | 508.0   |         |               |       |            |
| Surface   |          | 500.00          | 6.20      | 493.80   | 339.7   | 320.3   | 81.105        | J-55  | LT&C       |
| Inter 1   |          | 1,196.00        | 6.20      | 1,189.80 | 244.5   | 222.5   | 64.735        | L-80  | LT&C       |
| Inter 2   |          | 2,805.00        | 6.20      | 2,798.80 | 177.8   | 159.5   | 38.692        | L-80  | LT&C       |
| Open Hole |          | 3,301.00        | 2,805.00  | 496.00   | 155.6   |         |               |       |            |

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

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

|   |
|---|
| Objective<br>Well Abandonment. Level II OROGO well that is compliant. Plan is to abandon this well bore when access to Arrowhead is opened up |
|---|

|                              |
|------------------------------|
| Target Formation<br>Cambrian |
|------------------------------|

| Daily Pressures |
|-----------------|
| Subtype<br>SICP |

| Operation Summary |
|-------------------|
|-------------------|

|                               |
|-------------------------------|
| Operations Next Report Period |
|-------------------------------|

|  |
|--|
| Operations wait for construction to complete lease access road and clearing of site. |
|--|

|                  |
|------------------|
| 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      | 07:00    | 7.00     | 7.00         | No Job Activity | PP           |     | No activity on site.  |
| 07:00      | 19:00    | 12.00    | 19.00        | RU/RD           | PP           |     | Construction start clearing, leveling and freezing in access road to site.<br>Contractors on standby in camp awaiting completion of access road and leveling of site.<br>End of report for day. |
| 19:00      | 00:00    | 5.00     | 24.00        | WOD             | PP           |     | Wait on daylight.   |

| Other In Hole |
|---------------|
|---------------|

| Des                              | Icon       | OD (mm) | Top Depth (mKB) | Btm (mKB) | Run Date        |
|----------------------------------|------------|---------|-----------------|-----------|-----------------|
| Bridge Plug - Permanent          | ██████████ | 159.5   | 2,306.00        | 2,306.50  |                 |
| Charger Thermal 40 + 0.3% CHRT-H | ██████████ | 159.5   | 2,260.00        | 2,306.00  | 1/30/2023 08:30 |
| Fresh (non-saline) Water         | ██████████ | 159.5   | 50.00           | 2,260.00  | 1/30/2023 19:00 |
| Glacier (dirt) Tile              | ██████████ | 244.5   | 0.00            | 8.75      | 2/2/2023 14:00  |
| Steel Plate                      | ██████████ | 339.7   | 8.75            | 8.81      | 2/2/2023 14:00  |
| Glacier (dirt) Tile              | ██████████ | 177.8   | 0.00            | 8.75      | 2/2/2023 14:00  |
| Glacier (dirt) Tile              | ██████████ | 339.7   | 0.00            | 8.75      | 2/2/2023 14:00  |

| Bill 30 Requirements (Head Count Only) |
|--|
|--|

| Type    | Count |
|---------|-------|
| Service | 7     |

| Contractor Hours (Head Count & Hours) |
|---------------------------------------|
|---------------------------------------|

| Type | Count | Reg Work Time (hr) |
|------|-------|--------------------|
|      |       |                    |

| 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) |
|-------------|-------------------|-------------------|----------------|------------------|--------------------|----------------------|--------------------|
| Fresh Water | 34.00             |                   | 34.00          |                  |                    |                      |                    |



## Daily ARO Operations

**Well: PARAMOUNT ET AL ARROWHEAD O-15**

**Pad: O-15/6030-12300**

**Business Unit: Central and Other**

**Rig: Precision Well Servicing 830**

**Report Date: 1/14/2023**

**Report #: 1**

|                                     |   |                               |  |                                     |                    |
|-------------------------------------|---|-------------------------------|--|-------------------------------------|--------------------|
| API/UWI<br>300/O-15/6030-12300/01   | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |
| Original KB Elevation (m)<br>386.70 | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |
| KB-Ground Distance (m)<br>6.20      | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |
| <b>Weather &amp; Road Condition</b> |   |                               |  |                                     |                    |
| Weather<br>Overcast                 |   | T (°C)<br>-18                 |  | Road Cond<br>Poor                   |                    |



# Daily ARO Operations

Well: PARAMOUNT ET AL ARROWHEAD O-15

Pad: O-15/6030-12300

Business Unit: Central and Other

Rig: Precision Well Servicing 830

Report Date: 1/26/2023

Report #: 2

|                                   |   |                         |   |                            |                    |
|-----------------------------------|---|-------------------------|---|----------------------------|--------------------|
| API/UWI<br>300/O-15/6030-12300/01 | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead | State/Province<br>NorthWest Territories | Working Interest (%)<br>50 | License #<br>N1834 |
|-----------------------------------|---|-------------------------|---|----------------------------|--------------------|

|                                     |                                |                             |                           |                                     |
|-------------------------------------|--------------------------------|-----------------------------|---------------------------|-------------------------------------|
| Original KB Elevation (m)<br>386.70 | Ground Elevation (m)<br>380.50 | Casing Flange Elevation (m) | Tubing Head Elevation (m) | Well Configuration Type<br>Deviated |
|-------------------------------------|--------------------------------|-----------------------------|---------------------------|-------------------------------------|

|                                |                             |                               |  |
|--------------------------------|-----------------------------|-------------------------------|--|
| KB-Ground Distance (m)<br>6.20 | KB-Tubing Head Distance (m) | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |
|--------------------------------|-----------------------------|-------------------------------|--|

| 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      |          | 10.00           | 6.20      | 3.80     | 508.0   |         |               |       |            |
| Surface        |          | 500.00          | 6.20      | 493.80   | 339.7   | 320.3   | 81.105        | J-55  | LT&C       |
| Inter 1        |          | 1,196.00        | 6.20      | 1,189.80 | 244.5   | 222.5   | 64.735        | L-80  | LT&C       |
| Inter 2        |          | 2,805.00        | 6.20      | 2,798.80 | 177.8   | 159.5   | 38.692        | L-80  | LT&C       |
| Open Hole      |          | 3,301.00        | 2,805.00  | 496.00   | 155.6   |         |               |       |            |

| Zones / Event Sequence |           |                |
|------------------------|-----------|----------------|
| Zone Name              | Zone Code | Current Status |
|                        |           |                |

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

|  |  |  |
|--|--|--|
| Objective  |  |  |
| Well Abandonment. Level II OROGO well that is compliant. Plan is to abandon this well bore when access to Arrowhead is opened up |  |  |

|                  |  |  |
|------------------|--|--|
| Target Formation |  |  |
| Cambrian         |  |  |

| Daily Pressures |         |  |
|-----------------|---------|--|
| Subtype         | P (kPa) |  |
| SICP            |         |  |

| Operation Summary |  |  |
|-------------------|--|--|
|-------------------|--|--|

|  |  |  |
|--|--|--|
| Operations Next Report Period  |  |  |
| Travel PWS # 830 and support to site. Start well abandonment operations. |  |  |

|                   |  |  |
|-------------------|--|--|
| Operation at 6am  |  |  |
| Wait on daylight. |  |  |

| 24 Hr Operational Comments |          |          |              |            |              |     |
|----------------------------|----------|----------|--------------|------------|--------------|-----|
| Start Time                 | End Time | Dur (hr) | Cum Dur (hr) | Time Code  | Ops Category | NPT |
| 00:00                      | 07:00    | 7.00     | 7.00         | WOD        | PP           |     |
| 07:00                      | 07:30    | 0.50     | 7.50         | Safety Mtg | PP           |     |
| 07:30                      | 19:00    | 11.50    | 19.00        | WOE        | PP           |     |
| 19:00                      | 00:00    | 5.00     | 24.00        | WOD        | PP           |     |

| 6:00 Update |          |          |           |              |     |                   |
|-------------|----------|----------|-----------|--------------|-----|-------------------|
| Start Time  | End Time | Dur (hr) | Time Code | Ops Category | NPT | Operation Details |
| 00:00       | 07:00    | 7.00     |           | PP           |     | Wait on daylight. |

| Other In Hole                    |      |         |                 |           |                 |  |
|----------------------------------|------|---------|-----------------|-----------|-----------------|--|
| Des                              | Icon | OD (mm) | Top Depth (mKB) | Btm (mKB) | Run Date        |  |
| Bridge Plug - Permanent          |      | 159.5   | 2,306.00        | 2,306.50  |                 |  |
| Charger Thermal 40 + 0.3% CHRT-H |      | 159.5   | 2,260.00        | 2,306.00  | 1/30/2023 08:30 |  |
| Fresh (non-saline) Water         |      | 159.5   | 50.00           | 2,260.00  | 1/30/2023 19:00 |  |
| Glacier (dirt) Tile              |      | 244.5   | 0.00            | 8.75      | 2/2/2023 14:00  |  |
| Steel Plate                      |      | 339.7   | 8.75            | 8.81      | 2/2/2023 14:00  |  |
| Glacier (dirt) Tile              |      | 177.8   | 0.00            | 8.75      | 2/2/2023 14:00  |  |
| Glacier (dirt) Tile              |      | 339.7   | 0.00            | 8.75      | 2/2/2023 14:00  |  |

| Bill 30 Requirements (Head Count Only) |       |  |  |  |  |  |
|--|-------|--|--|--|--|--|
| Type                                   | Count |  |  |  |  |  |
| Service                                |       |  |  |  |  |  |

| Contractor Hours (Head Count & Hours) |       |  |  |  |  |  |
|---------------------------------------|-------|--|--|--|--|--|
| Type                                  | Count |  |  |  |  |  |
|                                       |       |  |  |  |  |  |



## Daily ARO Operations

Well: PARAMOUNT ET AL ARROWHEAD O-15

Pad: O-15/6030-12300

Business Unit: Central and Other

Rig: Precision Well Servicing 830

Report Date: 1/26/2023

Report #: 2

|                                     |   |                                |  |                                     |                                 |                                   |                                 |
|-------------------------------------|---|--------------------------------|--|-------------------------------------|---------------------------------|-----------------------------------|---------------------------------|
| API/UWI<br>300/O-15/6030-12300/01   | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead        | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834              |                                   |                                 |
| Original KB Elevation (m)<br>386.70 | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)    | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                                 |                                   |                                 |
| KB-Ground Distance (m)<br>6.20      | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00  | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                                 |                                   |                                 |
| <b>Report Fluids Summary</b>        |   |                                |  |                                     |                                 |                                   |                                 |
| 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> ) |
| Fresh Water                         | 64.00                                     |                                | 64.00  |                                     |                                 |                                   |                                 |

### Weather & Road Condition

| Weather  | T (°C) | Road Cond |
|----------|--------|-----------|
| Overcast | -15    | Poor      |



## Daily ARO Operations

**Well: PARAMOUNT ET AL ARROWHEAD O-15**

**Pad: O-15/6030-12300**

**Business Unit: Central and Other**

**Rig: Precision Well Servicing 830**

**Report Date: 1/27/2023**

**Report #: 3**

|   |   |                               |  |                                     |                    |     |  |
|---|---|-------------------------------|--|-------------------------------------|--------------------|-----|--|
| API/UWI<br>300/O-15/6030-12300/01   | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |     |  |
| Original KB Elevation (m)<br>386.70   | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |     |  |
| KB-Ground Distance (m)<br>6.20  | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |     |  |
| <b>Casing Strings</b>   |   |                               |  |                                     |                    |     |  |
| Csg Des   | Run Date                                  | Set Depth (mKB)               | Top (mKB)  | Len (m)                             | OD (mm)            |     |  |
| Conductor   |   | 10.00                         | 6.20   | 3.80                                | 508.0              |     |  |
| Surface   |   | 500.00                        | 6.20   | 493.80                              | 339.7              |     |  |
| Inter 1   |   | 1,196.00                      | 6.20   | 1,189.80                            | 244.5              |     |  |
| Inter 2   |   | 2,805.00                      | 6.20   | 2,798.80                            | 177.8              |     |  |
| Open Hole   |   | 3,301.00                      | 2,805.00   | 496.00                              | 155.6              |     |  |
| <b>Zones / Event Sequence</b>   |   |                               |  |                                     |                    |     |  |
| Zone Name   | Zone Code                                 |                               |  | Current Status                      |                    |     |  |
|   |   |                               |  |                                     |                    |     |  |
| <b>Job Information / AFE</b>  |   |                               |  |                                     |                    |     |  |
| Objective<br>Well Abandonment. Level II OROGO well that is compliant. Plan is to abandon this well bore when access to Arrowhead is opened up |   |                               |  |                                     |                    |     |  |
| Target Formation<br>Cambrian  |   |                               |  |                                     |                    |     |  |
| <b>Daily Pressures</b>  |   |                               |  |                                     |                    |     |  |
| Subtype<br>SICP   | P (kPa)                                   |                               |  |                                     |                    |     |  |
|   | 0   |                               |  |                                     |                    |     |  |
| <b>Operation Summary</b>  |   |                               |  |                                     |                    |     |  |
| Operations Next Report Period<br>Perform Cement Bond Log from PBTD to surface. Run in 73 mm L-80 tubng string.                                |   |                               |  |                                     |                    |     |  |
| 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   | 07:00                                     | 7.00                          | 7.00   | WOD                                 | PP                 |     | Wait on daylight.  |
| 07:00   | 07:30                                     | 0.50                          | 7.50   | SMTG                                | PP                 |     | Discuss job scope and program Review contractor JSA, and Emergency Transportation Plan. Ensure contractors have CSO or PRL 2023 orientation. Inspect work site for potential hazards. Review contractor JSA for operations. Qwest Air medi-vac # QW410.  |
| 07:30   | 11:30                                     | 4.00                          | 11.50  | Rig Mob                             | PP                 |     | Supervisor inspect site prior to start of operations. No signs of hydrocarbon staining on site. No signs of LEL or H2S at wellhead.<br><br>Travel PWS # 830, test unit, flare stack, (2) 63 m <sup>3</sup> tank, (1) 100 HP boiler, 279 mm BOP, 279 mm BOP Accumulator building, 279 mm BOP Generator building, 5 MPa x 12 m <sup>3</sup> test vessel, 19 m flare stack and (2) offices to site. Slow travel on ice road.<br><br>Construction assist in removing steel grating and level ground around well centre |
| 11:30   | 14:00                                     | 2.50                          | 14.00  | RU/RD                               | PP                 |     | Spot and rig up PWS # 830 and support equipment as per contractor, government and PRL policies and procedures. Perform on going CAODC inspection as rig in equipment. Setup StarLink Communication. Rig in boiler and lines. Haul in 64 m <sup>3</sup> non-saline (fresh) water.<br><br>Confirm surface casing vent is open to wellhead. Perform 30 minute surface casing vent bubble test. No bubbles observed.   |
| 14:00   | 16:00                                     | 2.00                          | 16.00  | BOPS                                | PP                 |     | Install Annular Bag onto BOP. Run accumulator lines to BOP. Setup remote control stand.<br><br>Stump function BOP's. Start pressure 21 MPa. Close blind rams 8 secs. Close pipe rams in 8 secs. Close Annular 42 secs. End pressure 11 Mpa. Recharge system in 3:31 minutes.<br><br>Stump pressure test blind rams and tubing rams to 1.4 MPa (low) and 21 MPa (high). Held each 10 min. Test Annular Bag to 1.4 MPa (low) and 10 MPa (high). Held each test 10 min.   |
| 16:00   | 16:30                                     | 0.50                          | 16.50  | NU/ND WH/XT                         | PP                 |     | Confirm wellbore is static. Remove Upper Wellhead Dual 34.5 MPa Master Valve and 279 mm Adapter Flange. Observe 244.5 mm x 88.9 mm tubing hanger in wellhead. Thread in 88.9 mm cross over and 73 mm Pup joint into Tubing Hanger  |
| 16:30   | 17:30                                     | 1.00                          | 17.50  | BOPS                                | PP                 |     | Install 279 mm x 34.5 MPa Class III BOP on wellhead. Rig in heater and tubing handling equipment.  |
| 17:30   | 18:00                                     | 0.50                          | 18.00  | BOPS                                | PP                 |     | Pressure test wellhead connection 1.4 MPa (low) and 21 MPa (high). Held each 10 min. Pull out pup joint and tubing hanger.   |



## Daily ARO Operations

**Well: PARAMOUNT ET AL ARROWHEAD O-15**

**Pad: O-15/6030-12300**

**Business Unit: Central and Other**

**Rig: Precision Well Servicing 830**

**Report Date: 1/27/2023**

**Report #: 3**

|  |   |                               |  |                                     |                    |                      |   |  |  |  |  |  |
|--|---|-------------------------------|--|-------------------------------------|--------------------|----------------------|---|--|--|--|--|--|
| API/UWI<br>300/O-15/6030-12300/01                | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |                      |   |  |  |  |  |  |
| Original KB Elevation (m)<br>386.70              | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |                      |   |  |  |  |  |  |
| KB-Ground Distance (m)<br>6.20                   | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |                      |   |  |  |  |  |  |
| <b>24 Hr Operational Comments</b>                |   |                               |  |                                     |                    |                      |   |  |  |  |  |  |
| Start Time                                       | End Time                                  | Dur (hr)                      | Cum Dur (hr)   | Time Code                           | Ops Category       | NPT                  | Operation Details   |  |  |  |  |  |
| 18:00  | 19:00                                     | 1.00                          | 19.00  | SDFN                                | PP                 |                      | Secure and winterize pump, equipment and site.<br><br>SDF rig crew.             |  |  |  |  |  |
| 19:00  | 00:00                                     | 5.00                          | 24.00  | WOD                                 | PP                 |                      | Boiler hand to maintain heat on fluid and equipment.<br><br>End report for day. |  |  |  |  |  |
| <b>6:00 Update</b>                               |   |                               |  |                                     |                    | Operation Details    |   |  |  |  |  |  |
| Start Time                                       | End Time                                  | Dur (hr)                      | Time Code  | Ops Category                        | NPT                |                      |   |  |  |  |  |  |
| 00:00  | 07:00                                     | 7.00                          |  | PP                                  |                    |                      | Wait on daylight.   |  |  |  |  |  |
| <b>Other In Hole</b>                             |   |                               |  |                                     |                    |                      |   |  |  |  |  |  |
| Des  |   |                               | Icon   | OD (mm)                             | Top Depth (mKB)    | Btm (mKB)            | Run Date  |  |  |  |  |  |
| Bridge Plug - Permanent                          |   |                               |  | 159.5                               | 2,306.00           | 2,306.50             |   |  |  |  |  |  |
| Charger Thermal 40 + 0.3% CHRT-H                 |   |                               |  | 159.5                               | 2,260.00           | 2,306.00             | 1/30/2023 08:30   |  |  |  |  |  |
| Fresh (non-saline) Water                         |   |                               |  | 159.5                               | 50.00              | 2,260.00             | 1/30/2023 19:00   |  |  |  |  |  |
| Glacier (dirt) Tile                              |   |                               |  | 244.5                               | 0.00               | 8.75                 | 2/2/2023 14:00  |  |  |  |  |  |
| Steel Plate                                      |   |                               |  | 339.7                               | 8.75               | 8.81                 | 2/2/2023 14:00  |  |  |  |  |  |
| Glacier (dirt) Tile                              |   |                               |  | 177.8                               | 0.00               | 8.75                 | 2/2/2023 14:00  |  |  |  |  |  |
| Glacier (dirt) Tile                              |   |                               |  | 339.7                               | 0.00               | 8.75                 | 2/2/2023 14:00  |  |  |  |  |  |
| <b>Bill 30 Requirements (Head Count Only)</b>    |   |                               |  |                                     |                    |                      |   |  |  |  |  |  |
| Type   |   |                               | Count  |                                     |                    |                      |   |  |  |  |  |  |
| Service  |   |                               |  |                                     |                    | 15                   |   |  |  |  |  |  |
| <b>Contractor Hours (Head Count &amp; Hours)</b> |   |                               |  |                                     |                    |                      |   |  |  |  |  |  |
| Type   |   |                               | Count  |                                     |                    | Reg Work Time (hr)   |   |  |  |  |  |  |
| <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)  |  |  |  |  |  |
| Fresh Water                                      |   | 64.00                         |  | 64.00                               |                    |                      |   |  |  |  |  |  |
| <b>Weather &amp; Road Condition</b>              |   |                               |  |                                     |                    |                      |   |  |  |  |  |  |
| Weather  |   |                               | T (°C)   |                                     |                    | Road Cond            |   |  |  |  |  |  |
| Overcast   |   |                               | -16  |                                     |                    | Fair                 |   |  |  |  |  |  |



# Daily ARO Operations

Well: PARAMOUNT ET AL ARROWHEAD O-15

Pad: O-15/6030-12300

Business Unit: Central and Other

Rig: Precision Well Servicing 830

Report Date: 1/28/2023

Report #: 4

|  |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
|--|---|-------------------------------|--|-------------------------------------|--------------------|-------------------|---|-----------------|--|--|--|--|
| API/UWI<br>300/O-15/6030-12300/01  | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |                   |   |                 |  |  |  |  |
| Original KB Elevation (m)<br>386.70  | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |                   |   |                 |  |  |  |  |
| KB-Ground Distance (m)<br>6.20   | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |                   |   |                 |  |  |  |  |
| <b>Casing Strings</b>  |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| Csg Des  | Run Date                                  | Set Depth (mKB)               | Top (mKB)  | Len (m)                             | OD (mm)            |                   |   |                 |  |  |  |  |
| Conductor  |   | 10.00                         | 6.20   | 3.80                                | 508.0              |                   |   |                 |  |  |  |  |
| Surface  |   | 500.00                        | 6.20   | 493.80                              | 339.7              |                   |   |                 |  |  |  |  |
| Inter 1  |   | 1,196.00                      | 6.20   | 1,189.80                            | 244.5              |                   |   |                 |  |  |  |  |
| Inter 2  |   | 2,805.00                      | 6.20   | 2,798.80                            | 177.8              |                   |   |                 |  |  |  |  |
| Open Hole  |   | 3,301.00                      | 2,805.00   | 496.00                              | 155.6              |                   |   |                 |  |  |  |  |
| <b>Zones / Event Sequence</b>  |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| Zone Name  |   | Zone Code                     |  | Current Status                      |                    |                   |   |                 |  |  |  |  |
|  |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| <b>Job Information / AFE</b>   |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| Objective  |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| Well Abandonment. Level II OROGO well that is compliant. Plan is to abandon this well bore when access to Arrowhead is opened up   |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| Target Formation   |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| Cambrian   |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| <b>Daily Pressures</b>   |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| Subtype  |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| SICP   |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
|  |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| <b>Operation Summary</b>   |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| Operations Next Report Period  |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| Run in hole 73 mm tubing string. Tag PBTD. Circulate hole to non-saline (fresh) water. Pump and balance 1 m <sup>3</sup> - Class "G" cement plug 2256 mKB to 2306 mKB. Pull up above cement plug and backwash tubing string clean with non-saline (fresh) water. |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| 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  | 07:00                                     | 7.00                          | 7.00   | WOD                                 | PP                 |                   | Wait on daylight.   |                 |  |  |  |  |
| 07:00  | 07:30                                     | 0.50                          | 7.50   | SMTG                                | PP                 |                   | Discuss job scope and program. Review contractor JSA, and Emergency Transportation Plan. Inspect work site for potential hazards. Review contractor JSA for operations to include eline logging and running in of tubing string. Qwest Air medi-vac # QW410.  |                 |  |  |  |  |
| 07:30  | 08:00                                     | 0.50                          | 8.00   | PRESS                               | PP                 |                   | Pump 0.1 m <sup>3</sup> non-saline (fresh) water to fill casing. Pressure test 177.8 mm casing and PBP at 2306 mKB to 8216 KPa. Held 15 minutes. End pressure 8178 KPa. No leak off. good test. Bleed off pressure.   |                 |  |  |  |  |
| 08:00  | 13:30                                     | 5.50                          | 13.50  | WL Logs                             | PP                 |                   | Spot and rig in electric line unit. Install 279 mm electric line well control equipment and adapter flange on top of 34.5 MPa x 279 mm Class III BOP. Run in hole CCL / Radial Cement Evaluation Tool. Correlate on depth to 244.5 m Intermediate # 1 Casing Shoe at 1186.6 mKB. Tag obstruction Permanent Bridge Plug at 2306 mKB. Log well from 2306 mKB to surface. Send log into Calgary for further evaluation and correlation. Rig down electric line adapter flange and well control equipment. Rig down electric line unit. |                 |  |  |  |  |
| 13:30  | 18:00                                     | 4.50                          | 18.00  | RIH                                 | PP                 |                   | Tally, drift, pickup and run in (1) Reg Tubing Collar 73 mm L-80 and (145) Joints Tubing 73 mm L-80 9.67 kg/m. Position tubing bottom 1380 mKB for night.<br><br>**NOTE** Run in hole slowly to allow rig pump to suck tubing displacement of water from casing.  |                 |  |  |  |  |
| 18:00  | 19:00                                     | 1.00                          | 19.00  | SDFN                                | PP                 |                   | Winterize and secure wellhead.<br><br>SDFN rig crew.  |                 |  |  |  |  |
| 19:00  | 00:00                                     | 5.00                          | 24.00  | WOD                                 | PP                 |                   | Night boiler hand to heat wellhead and tank for night.<br><br>End report for day.   |                 |  |  |  |  |
| <b>6:00 Update</b>   |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| Start Time   | End Time                                  | Dur (hr)                      | Time Code  | Ops Category                        | NPT                | Operation Details |   |                 |  |  |  |  |
| 00:00  | 07:00                                     | 7.00                          |  | PP                                  |                    | Wait on daylight. |   |                 |  |  |  |  |
| <b>Other In Hole</b>   |   |                               |  |                                     |                    |                   |   |                 |  |  |  |  |
| Des  |   |                               | Icon   | OD (mm)                             |                    | Top Depth (mKB)   | Btm (mKB)   | Run Date        |  |  |  |  |
| Bridge Plug - Permanent  |   |                               |  | 159.5                               |                    | 2,306.00          | 2,306.50  |                 |  |  |  |  |
| Charger Thermal 40 + 0.3% CHRT-H   |   |                               |  | 159.5                               |                    | 2,260.00          | 2,306.00  | 1/30/2023 08:30 |  |  |  |  |
| Fresh (non-saline) Water   |   |                               |  | 159.5                               |                    | 50.00             | 2,260.00  | 1/30/2023 19:00 |  |  |  |  |
| Glacier (dirt) Tile  |   |                               |  | 244.5                               |                    | 0.00              | 8.75  | 2/2/2023 14:00  |  |  |  |  |



## Daily ARO Operations

Well: PARAMOUNT ET AL ARROWHEAD O-15

Pad: O-15/6030-12300

Business Unit: Central and Other

Rig: Precision Well Servicing 830

Report Date: 1/28/2023

Report #: 4

|  |   |                               |  |                                     |                    |
|--|---|-------------------------------|--|-------------------------------------|--------------------|
| API/UWI<br>300/O-15/6030-12300/01                | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |
| Original KB Elevation (m)<br>386.70              | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |
| KB-Ground Distance (m)<br>6.20                   | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |
| <b>Other In Hole</b>                             |   |                               |  |                                     |                    |
| Des  | Icon                                      | OD (mm)                       | Top Depth (mKB)  | Btm (mKB)                           | Run Date           |
| Steel Plate                                      |   | 339.7                         | 8.75   | 8.81                                | 2/2/2023 14:00     |
| Glacier (dirt) Tile                              |   | 177.8                         | 0.00   | 8.75                                | 2/2/2023 14:00     |
| Glacier (dirt) Tile                              |   | 339.7                         | 0.00   | 8.75                                | 2/2/2023 14:00     |
| <b>Bill 30 Requirements (Head Count Only)</b>    |   |                               |  |                                     |                    |
| Type   |   |                               | Count  |                                     |                    |
| Service  |   |                               |  |                                     | 14                 |
| <b>Contractor Hours (Head Count &amp; Hours)</b> |   |                               |  |                                     |                    |
| Type   |   |                               | Count  | Reg Work Time (hr)                  |                    |
|  |   |                               |  |                                     |                    |
| <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) |
| Fresh Water                                      | 64.00                                     |                               | 64.00  |                                     |                    |
| Produced Water                                   |   |                               | 1.70   |                                     | 1.70               |
|  |   |                               |  |                                     | -1.70              |
| <b>Weather &amp; Road Condition</b>              |   |                               |  |                                     |                    |
| Weather  |   | T (°C)                        | Road Cond  |                                     |                    |
| Overcast   |   | -27                           | Fair   |                                     |                    |



## Daily ARO Operations

**Well: PARAMOUNT ET AL ARROWHEAD O-15**

**Pad: O-15/6030-12300**

**Business Unit: Central and Other**

**Rig: Precision Well Servicing 830**

**Report Date: 1/29/2023**

**Report #: 5**

|   |   |                               |  |                                     |                    |     |  |
|---|---|-------------------------------|--|-------------------------------------|--------------------|-----|--|
| API/UWI<br>300/O-15/6030-12300/01   | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |     |  |
| Original KB Elevation (m)<br>386.70   | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |     |  |
| KB-Ground Distance (m)<br>6.20  | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |     |  |
| <b>Casing Strings</b>   |   |                               |  |                                     |                    |     |  |
| Csg Des   | Run Date                                  | Set Depth (mKB)               | Top (mKB)  | Len (m)                             | OD (mm)            |     |  |
| Conductor   |   | 10.00                         | 6.20   | 3.80                                | 508.0              |     |  |
| Surface   |   | 500.00                        | 6.20   | 493.80                              | 339.7              |     |  |
| Inter 1   |   | 1,196.00                      | 6.20   | 1,189.80                            | 244.5              |     |  |
| Inter 2   |   | 2,805.00                      | 6.20   | 2,798.80                            | 177.8              |     |  |
| Open Hole   |   | 3,301.00                      | 2,805.00   | 496.00                              | 155.6              |     |  |
| <b>Zones / Event Sequence</b>   |   |                               |  |                                     |                    |     |  |
| Zone Name   |   | Zone Code                     |  | Current Status                      |                    |     |  |
|   |   |                               |  |                                     |                    |     |  |
| <b>Job Information / AFE</b>  |   |                               |  |                                     |                    |     |  |
| Objective   |   |                               |  |                                     |                    |     |  |
| Well Abandonment. Level II OROGO well that is compliant. Plan is to abandon this well bore when access to Arrowhead is opened up                        |   |                               |  |                                     |                    |     |  |
| Target Formation  |   |                               |  |                                     |                    |     |  |
| Cambrian  |   |                               |  |                                     |                    |     |  |
| <b>Daily Pressures</b>  |   |                               |  |                                     |                    |     |  |
| Subtype   |   |                               |  | P (kPa)                             |                    |     |  |
| SICP  |   |                               |  | 0                                   |                    |     |  |
| <b>Operation Summary</b>  |   |                               |  |                                     |                    |     |  |
| Operations Next Report Period   |   |                               |  |                                     |                    |     |  |
| Circulate and balance 1.0 m <sup>3</sup> cement on top of Permanent Bridge Plug from 2256 mKB to 2306 mKB. Back wash tubing. Wait for cement to harden. |   |                               |  |                                     |                    |     |  |
| 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   | 07:00                                     | 7.00                          | 7.00   | WOD                                 | PP                 |     | Wait on daylight.  |
| 07:00   | 07:30                                     | 0.50                          | 7.50   | SMTG                                | PP                 |     | Discuss job scope and program Review contractor JSA, and Emergency Transportation Plan. Inspect work site for potential hazards. Review contractor JSA for operations to include running in of tubing string. Qwest Air medi-vac # QW410.  |
| 07:30   | 09:30                                     | 2.00                          | 9.50   | RIH                                 | PP                 |     | Continue to tally, drift, pickup and run in hole (94) Joints Tubing 73 mm L-80 9.67 kg/m   |
| 09:30   | 11:30                                     | 2.00                          | 11.50  | Circulating                         | PP                 |     | Tag Permanent Bridge Plug 2306 mKB. Position tubing bottom 2305.7 mKB.   |
|   |   |                               |  |                                     |                    |     | Rig in circulation lines. Reverse circulate 50 m <sup>3</sup> fresh (non-saline) water at 500 L/min x 2.5 MPa. Recover 46 m <sup>3</sup> produced water with salinity of 28,000 ppm. The last 4 m <sup>3</sup> recover is fresh (non saline) water. The entire wellbore displaced to fresh (non-saline) water. |
| 11:30   | 18:00                                     | 6.50                          | 18.00  | WOE                                 | PP                 |     | Wait on cement units and vac unit.   |
| 18:00   | 19:00                                     | 1.00                          | 19.00  | SDFN                                | PP                 |     | Winterize and secure wellhead.   |
|   |   |                               |  |                                     |                    |     | SDFN rig crew.   |
| 19:00   | 00:00                                     | 5.00                          | 24.00  | WOD                                 | PP                 |     | Night boiler hand to heat wellhead and tank for night.   |
|   |   |                               |  |                                     |                    |     | End report for day.  |
| <b>6:00 Update</b>  |   |                               |  |                                     |                    |     |  |
| Start Time  | End Time                                  | Dur (hr)                      | Time Code  | Ops Category                        | NPT                |     | Operation Details  |
| 00:00   | 07:00                                     | 7.00                          |  | PP                                  |                    |     | Wait on daylight.  |
| <b>Other In Hole</b>  |   |                               |  |                                     |                    |     |  |
| Des   | Icon                                      | OD (mm)                       | Top Depth (mKB)  | Btm (mKB)                           | Run Date           |     |  |
| Bridge Plug - Permanent   |   | 159.5                         | 2,306.00   | 2,306.50                            |                    |     |  |
| Charger Thermal 40 + 0.3% CHRT-H  |   | 159.5                         | 2,260.00   | 2,306.00                            | 1/30/2023 08:30    |     |  |
| Fresh (non-saline) Water  |   | 159.5                         | 50.00  | 2,260.00                            | 1/30/2023 19:00    |     |  |
| Glacier (dirt) Tile   |   | 244.5                         | 0.00   | 8.75                                | 2/2/2023 14:00     |     |  |
| Steel Plate   |   | 339.7                         | 8.75   | 8.81                                | 2/2/2023 14:00     |     |  |
| Glacier (dirt) Tile   |   | 177.8                         | 0.00   | 8.75                                | 2/2/2023 14:00     |     |  |
| Glacier (dirt) Tile   |   | 339.7                         | 0.00   | 8.75                                | 2/2/2023 14:00     |     |  |



## Daily ARO Operations

Well: PARAMOUNT ET AL ARROWHEAD O-15

Pad: O-15/6030-12300

Business Unit: Central and Other

Rig: Precision Well Servicing 830

Report Date: 1/29/2023

Report #: 5

| API/UWI<br>300/O-15/6030-12300/01                | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead        | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834              |                                   |                                 |
|--|---|--------------------------------|--|-------------------------------------|---------------------------------|-----------------------------------|---------------------------------|
| Original KB Elevation (m)<br>386.70              | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)    | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                                 |                                   |                                 |
| KB-Ground Distance (m)<br>6.20                   | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00  | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                                 |                                   |                                 |
| <b>Bill 30 Requirements (Head Count Only)</b>    |   |                                |  |                                     |                                 |                                   |                                 |
| Type   |   |                                | Count  |                                     |                                 |                                   |                                 |
| Service  |   |                                |  | 11                                  |                                 |                                   |                                 |
| <b>Contractor Hours (Head Count &amp; Hours)</b> |   |                                |  |                                     |                                 |                                   |                                 |
| Type   |   |                                | Count  | Reg Work Time (hr)                  |                                 |                                   |                                 |
|  |   |                                |  |                                     |                                 |                                   |                                 |
| <b>Report Fluids Summary</b>                     |   |                                |  |                                     |                                 |                                   |                                 |
| 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> ) |
| Fresh Water                                      | 102.00                                    |                                | 56.00  | 46.00                               |                                 | 46.00                             |                                 |
| Produced Water                                   |   | 38.00                          | -79.60   | 43.30                               | 1.70                            | 41.60                             |                                 |
| <b>Weather &amp; Road Condition</b>              |   |                                |  |                                     |                                 |                                   |                                 |
| Weather  |   | T (°C)                         |  | Road Cond                           |                                 |                                   |                                 |
| Overcast   |   | -20                            |  | Fair                                |                                 |                                   |                                 |



# Daily ARO Operations

Well: PARAMOUNT ET AL ARROWHEAD O-15

Pad: O-15/6030-12300

Business Unit: Central and Other

Rig: Precision Well Servicing 830

Report Date: 1/30/2023

Report #: 6

|  |   |                               |  |                                     |                    |     |   |  |  |
|--|---|-------------------------------|--|-------------------------------------|--------------------|-----|---|--|--|
| API/UWI<br>300/O-15/6030-12300/01  | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |     |   |  |  |
| Original KB Elevation (m)<br>386.70  | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |     |   |  |  |
| KB-Ground Distance (m)<br>6.20   | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |     |   |  |  |
| <b>Casing Strings</b>  |   |                               |  |                                     |                    |     |   |  |  |
| Csg Des  | Run Date                                  | Set Depth (mKB)               | Top (mKB)  | Len (m)                             | OD (mm)            |     |   |  |  |
| Conductor  |   | 10.00                         | 6.20   | 3.80                                | 508.0              |     |   |  |  |
| Surface  |   | 500.00                        | 6.20   | 493.80                              | 339.7              |     |   |  |  |
| Inter 1  |   | 1,196.00                      | 6.20   | 1,189.80                            | 244.5              |     |   |  |  |
| Inter 2  |   | 2,805.00                      | 6.20   | 2,798.80                            | 177.8              |     |   |  |  |
| Open Hole  |   | 3,301.00                      | 2,805.00   | 496.00                              | 155.6              |     |   |  |  |
| <b>Zones / Event Sequence</b>  |   |                               |  |                                     |                    |     |   |  |  |
| Zone Name  |   | Zone Code                     |  | Current Status                      |                    |     |   |  |  |
|  |   |                               |  |                                     |                    |     |   |  |  |
| <b>Job Information / AFE</b>   |   |                               |  |                                     |                    |     |   |  |  |
| Objective  |   |                               |  |                                     |                    |     |   |  |  |
| Well Abandonment. Level II OROGO well that is compliant. Plan is to abandon this well bore when access to Arrowhead is opened up   |   |                               |  |                                     |                    |     |   |  |  |
| Target Formation   |   |                               |  |                                     |                    |     |   |  |  |
| Cambrian   |   |                               |  |                                     |                    |     |   |  |  |
| <b>Daily Pressures</b>   |   |                               |  |                                     |                    |     |   |  |  |
| Subtype  |   |                               |  | P (kPa)                             |                    |     |   |  |  |
| SICP   |   |                               |  | 0                                   |                    |     |   |  |  |
| <b>Operation Summary</b>   |   |                               |  |                                     |                    |     |   |  |  |
| Operations Next Report Period  |   |                               |  |                                     |                    |     |   |  |  |
| Remove 279 mm 34.5 MPa BOP's. Install 279.4 mm 34.5 MPa Upper Wellhead assembly. Rig down PWS # 830 and support equipment. Haul fluids off site. Travel and stage PWS # 830 and support equipment at PRL C-02 for night. |   |                               |  |                                     |                    |     |   |  |  |
| 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  | 07:00                                     | 7.00                          | 7.00   | WOD                                 | PP                 |     | Wait on daylight.   |  |  |
| 07:00  | 07:30                                     | 0.50                          | 7.50   | SMTG                                | PP                 |     | Discuss job scope and program. Review contractor JSA, and Emergency Transportation Plan. Inspect work site for potential hazards. Review contractor JSA for operations to include cement and run in and out of tubing string. Qwest Air medi-vac # QW410.   |  |  |
| 07:30  | 07:45                                     | 0.25                          | 7.75   | RIH                                 | PP                 |     | Run in (2) Joints Tubing 73 mm L-80 9.67 kg/m. Position tubing bottom 2305.7 mKB.   |  |  |
| 07:45  | 09:00                                     | 1.25                          | 9.00   | Cmt                                 | PP                 |     | Rig in Cement Unit. Test pump line 16.0 MPa. Held 5 minutes. Mix and pump 1.0 m <sup>3</sup> Charger Thermal 40 + 0.3% CHRT-H x 1800 kg/m <sup>3</sup> cement slurry. Slurry Yield 0.830 m <sup>3</sup> /t. Fluid loss 35 cc/min. Thick time 3.0 hrs. Pump rate 500 L/min x 3 MPa. Displace behind cement slurry 6.7 m <sup>3</sup> fresh (non-saline) water 25°C. Circulated and balance cement plug from 2256 mKB to 2306 mKB. No signs activity from SCVF. Rig down pump line. Release cement units. |  |  |
|  |   |                               |  |                                     |                    |     | Lay down (6) Joints Tubing 73 mm L-80 6.99 kg/m. Position tubing bottom 2249 mKB.   |  |  |
|  |   |                               |  |                                     |                    |     | Rig in circulation lines. Reverse circulate 10 m <sup>3</sup> (total) - 25° fresh (non-saline) water at 500 L/min x 3.0 MPa. Returns show salinity 0 ppm. End returns are clean fresh (non-saline) water. Entire hole displaced to non-saline (fresh) water.  |  |  |
| 09:00  | 13:00                                     | 4.00                          | 13.00  | WOC                                 | PP                 |     | Wait 4 hours for cement to thicken.   |  |  |
|  |   |                               |  |                                     |                    |     | Rig out and release test vessel and flare stack.  |  |  |
| 13:00  | 13:15                                     | 0.25                          | 13.25  | PRESS                               | PP                 |     | Pump 0.50 m <sup>3</sup> fresh (non-saline) water to pressure test 177.8 mm casing and cement to 7147 KPa. Held 15 minutes. Pressure end 7086 KPa. Good test.   |  |  |
| 13:15  | 13:30                                     | 0.25                          | 13.50  | RIH                                 | PP                 |     | Run in hole (2) Joints Tubing 73 mm L-80 9.67 kg/m. Tag cement top 2260 mKB with 1800 daN weight.   |  |  |
| 13:30  | 17:30                                     | 4.00                          | 17.50  | POOH                                | PP                 |     | Pull and lay down 213 Joints Tubing 73 mm L-80 9.67 kg/m.   |  |  |
|  |   |                               |  |                                     |                    |     | Pull and stand 26 = Joints Tubing L-80 9.67 kg/m.   |  |  |
|  |   |                               |  |                                     |                    |     | ""NOTE": Displacement from 2260 m of 73 mm tubing L-80 9.67 kg/m is 2.78 m <sup>3</sup> ( 139 m ).  |  |  |
| 17:30  | 17:45                                     | 0.25                          | 17.75  | BULLCIR                             | PP                 |     | Pump 1.7 m <sup>3</sup> fresh (non-saline) water to fill fluid level in casing to 50 mKB.   |  |  |
| 17:45  | 18:00                                     | 0.25                          | 18.00  | RIH                                 | PP                 |     | Run in (1) Solid Bull Plug 73 mm x 0.10 m and (26) Joints Tubing 73 mm L-80 9.67 kg/m Tubing. Tubing bottom 251 mKB. This is to confirm fluid level in casing is at 50 mKB (min).   |  |  |



## Daily ARO Operations

**Well: PARAMOUNT ET AL ARROWHEAD O-15**

**Pad: O-15/6030-12300**

**Business Unit: Central and Other**

**Rig: Precision Well Servicing 830**

**Report Date: 1/30/2023**

**Report #: 6**

|  |   |                               |  |                                     |                    |                      |   |                 |  |  |  |  |  |
|--|---|-------------------------------|--|-------------------------------------|--------------------|----------------------|---|-----------------|--|--|--|--|--|
| API/UWI<br>300/O-15/6030-12300/01                | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |                      |   |                 |  |  |  |  |  |
| Original KB Elevation (m)<br>386.70              | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |                      |   |                 |  |  |  |  |  |
| KB-Ground Distance (m)<br>6.20                   | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |                      |   |                 |  |  |  |  |  |
| <b>24 Hr Operational Comments</b>                |   |                               |  |                                     |                    |                      |   |                 |  |  |  |  |  |
| Start Time                                       | End Time                                  | Dur (hr)                      | Cum Dur (hr)   | Time Code                           | Ops Category       | NPT                  | Operation Details   |                 |  |  |  |  |  |
| 18:00  | 18:30                                     | 0.50                          | 18.50  | POOH                                | PP                 |                      | Pull and lay down (26) Joints Tubing 73 mm L-80 9.67 kg/m and (1) Solid Bull Plug 73 mm x 0.10 m.<br><br>"NOTE" Vac unit on site to clean out rig tank. |                 |  |  |  |  |  |
| 18:30  | 19:00                                     | 0.50                          | 19.00  | SDFN                                | PP                 |                      | Winterize and secure equipment and site.<br><br>SDFN rig crew.<br>- Boiler hand to maintain heat on fluid and equipment.<br>- End report for d          |                 |  |  |  |  |  |
| 19:00  | 00:00                                     | 5.00                          | 24.00  | WOD                                 | PP                 |                      | Boiler hand to maintain heat on fluid and equipment.<br><br>End report for day.   |                 |  |  |  |  |  |
| <b>6:00 Update</b>                               |   |                               |  |                                     |                    |                      |   |                 |  |  |  |  |  |
| Start Time                                       | End Time                                  | Dur (hr)                      | Time Code  | Ops Category                        | NPT                |                      | Operation Details   |                 |  |  |  |  |  |
| 00:00  | 07:00                                     | 7.00                          |  | PP                                  |                    |                      | Wait on daylight.   |                 |  |  |  |  |  |
| <b>Other In Hole</b>                             |   |                               |  |                                     |                    |                      |   |                 |  |  |  |  |  |
| Des  |   |                               | Icon   | OD (mm)                             |                    | Top Depth (mKB)      | Btm (mKB)   | Run Date        |  |  |  |  |  |
| Bridge Plug - Permanent                          |   |                               |  | 159.5                               |                    | 2,306.00             | 2,306.50  |                 |  |  |  |  |  |
| Charger Thermal 40 + 0.3% CHRT-H                 |   |                               |  | 159.5                               |                    | 2,260.00             | 2,306.00  | 1/30/2023 08:30 |  |  |  |  |  |
| Fresh (non-saline) Water                         |   |                               |  | 159.5                               |                    | 50.00                | 2,260.00  | 1/30/2023 19:00 |  |  |  |  |  |
| Glacier (dirt) Tile                              |   |                               |  | 244.5                               |                    | 0.00                 | 8.75  | 2/2/2023 14:00  |  |  |  |  |  |
| Steel Plate                                      |   |                               |  | 339.7                               |                    | 8.75                 | 8.81  | 2/2/2023 14:00  |  |  |  |  |  |
| Glacier (dirt) Tile                              |   |                               |  | 177.8                               |                    | 0.00                 | 8.75  | 2/2/2023 14:00  |  |  |  |  |  |
| Glacier (dirt) Tile                              |   |                               |  | 339.7                               |                    | 0.00                 | 8.75  | 2/2/2023 14:00  |  |  |  |  |  |
| <b>Bill 30 Requirements (Head Count Only)</b>    |   |                               |  |                                     |                    |                      |   |                 |  |  |  |  |  |
| Type   |   |                               |  | Count                               |                    |                      |   |                 |  |  |  |  |  |
| Service  |   |                               |  |                                     |                    |                      | 10  |                 |  |  |  |  |  |
| Service  |   |                               |  |                                     |                    |                      | 8   |                 |  |  |  |  |  |
| <b>Contractor Hours (Head Count &amp; Hours)</b> |   |                               |  |                                     |                    |                      |   |                 |  |  |  |  |  |
| Type   |   |                               |  | Count                               |                    |                      | Reg Work Time (hr)  |                 |  |  |  |  |  |
|  |   |                               |  |                                     |                    |                      |   |                 |  |  |  |  |  |
| <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)  |                 |  |  |  |  |  |
| Fresh Water                                      | 102.00                                    |                               | 56.00  | 46.00                               |                    | 46.00                |   |                 |  |  |  |  |  |
| Other  |   |                               | -1.00  | 1.00                                |                    | 0.00                 | 1.00  |                 |  |  |  |  |  |
| Produced Water                                   | 0.00                                      | 82.00                         | -123.60  | 43.30                               |                    | 1.70                 | 41.60   |                 |  |  |  |  |  |
| <b>Weather &amp; Road Condition</b>              |   |                               |  |                                     |                    |                      |   |                 |  |  |  |  |  |
| Weather  |   |                               | T (°C)   | Road Cond                           |                    |                      |   |                 |  |  |  |  |  |
| Partly Cloudy                                    |   |                               | -21  | Fair                                |                    |                      |   |                 |  |  |  |  |  |



# Daily ARO Operations

Well: PARAMOUNT ET AL ARROWHEAD O-15

Pad: O-15/6030-12300

Business Unit: Central and Other

Rig: Precision Well Servicing 830

Report Date: 1/31/2023

Report #: 7

|  |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
|--|---|-------------------------------|--|-------------------------------------|--------------------|-----------|---|--|--|--|--|--|
| API/UWI<br>300/O-15/6030-12300/01  | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |           |   |  |  |  |  |  |
| Original KB Elevation (m)<br>386.70  | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |           |   |  |  |  |  |  |
| KB-Ground Distance (m)<br>6.20   | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |           |   |  |  |  |  |  |
| <b>Casing Strings</b>  |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| Csg Des  | Run Date                                  | Set Depth (mKB)               | Top (mKB)  | Len (m)                             | OD (mm)            |           |   |  |  |  |  |  |
| Conductor  |   | 10.00                         | 6.20   | 3.80                                | 508.0              |           |   |  |  |  |  |  |
| Surface  |   | 500.00                        | 6.20   | 493.80                              | 339.7              |           |   |  |  |  |  |  |
| Inter 1  |   | 1,196.00                      | 6.20   | 1,189.80                            | 244.5              |           |   |  |  |  |  |  |
| Inter 2  |   | 2,805.00                      | 6.20   | 2,798.80                            | 177.8              |           |   |  |  |  |  |  |
| Open Hole  |   | 3,301.00                      | 2,805.00   | 496.00                              | 155.6              |           |   |  |  |  |  |  |
| <b>Zones / Event Sequence</b>  |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| Zone Name  |   | Zone Code                     |  | Current Status                      |                    |           |   |  |  |  |  |  |
|  |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| <b>Job Information / AFE</b>   |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| Objective  |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| Well Abandonment. Level II OROGO well that is compliant. Plan is to abandon this well bore when access to Arrowhead is opened up |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| Target Formation   |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| Cambrian   |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| <b>Daily Pressures</b>   |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| Subtype  |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| SICP   |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
|  |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| <b>Operation Summary</b>   |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| Operations Next Report Period  |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| Mobilize PWS 830 and support equipment to Ft Nelson with assistance of wheeler in NWT. Load and release rentals.                 |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| 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  | 07:00                                     | 7.00                          | 7.00   | WOD                                 | PP                 |           | Wait on daylight.   |  |  |  |  |  |
| 07:00  | 07:30                                     | 0.50                          | 7.50   | SMTG                                | PP                 |           | Discuss job scope and program Review contractor JSA, and Emergency Transportation Plan. Inspect work site for potential hazards. Review contractor JSA for operations to rig down and travel. Qwest Air medi-vac # QW410. |  |  |  |  |  |
| 07:30  | 09:30                                     | 2.00                          | 9.50   | BOPS                                | PP                 |           | Rig down working floor and tubing handling equipment. Split and rig down 279.4 mm BOP and 279.4 mm Annular Bag. Spool remote accumulator lines and operations stand. Prepare to return rental BOP stack.                  |  |  |  |  |  |
| 09:30  | 10:30                                     | 1.00                          | 10.50  | NU/ND WH/XT                         | PP                 |           | Install 279.4 mm Adapter Flange with Dual Master Valve on wellhead. Secure outlets on wellhead in preparation of Cut n cap operations scheduled for 2-Feb-2023.   |  |  |  |  |  |
| 10:30  | 15:00                                     | 4.50                          | 15.00  | RU/RD                               | PP                 |           | Rig down pump line, return line and steam lines. Rig down PWS # 830 and support equipment. Prepare equipment for transport to staging area PRL 300/C-02-6040-12300/0.   |  |  |  |  |  |
|  |   |                               |  |                                     |                    |           | Load and travel 279 mm BOP, 279 mm Annular, 279 mm Accumulator, 279 mm Accumulator Generator and misc fittings back to base.  |  |  |  |  |  |
|  |   |                               |  |                                     |                    |           | Inspect, clean and secure site.   |  |  |  |  |  |
| 15:00  | 17:00                                     | 2.00                          | 17.00  | Rig Mob                             | PP                 |           | Travel PWS # 830 and support equipment to staging area PRL 300/C-02-6040-12300/0.   |  |  |  |  |  |
| 17:00  | 18:00                                     | 1.00                          | 18.00  | SDFN                                | PP                 |           | WInterize and secure equipment at PRL 300/C-02-6040-12300/0.  |  |  |  |  |  |
| 18:00  | 00:00                                     | 6.00                          | 24.00  | WOD                                 | PP                 |           | Wait on day light.  |  |  |  |  |  |
| <b>6:00 Update</b>   |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| Start Time   | End Time                                  | Dur (hr)                      | Time Code  | Ops Category                        | NPT                |           | Operation Details   |  |  |  |  |  |
| 00:00  | 07:00                                     | 7.00                          |  | PP                                  |                    |           | Wait on day light.  |  |  |  |  |  |
| <b>Other In Hole</b>   |   |                               |  |                                     |                    |           |   |  |  |  |  |  |
| Des  |   |                               | Icon   | OD (mm)                             | Top Depth (mKB)    | Btm (mKB) | Run Date  |  |  |  |  |  |
| Bridge Plug - Permanent  |   |                               |  | 159.5                               | 2,306.00           | 2,306.50  |   |  |  |  |  |  |
| Glacier (dirt) Tile  |   |                               |  | 244.5                               | 0.00               | 8.75      | 2/2/2023 14:00  |  |  |  |  |  |
| Steel Plate  |   |                               |  | 339.7                               | 8.75               | 8.81      | 2/2/2023 14:00  |  |  |  |  |  |
| Glacier (dirt) Tile  |   |                               |  | 177.8                               | 0.00               | 8.75      | 2/2/2023 14:00  |  |  |  |  |  |
| Glacier (dirt) Tile  |   |                               |  | 339.7                               | 0.00               | 8.75      | 2/2/2023 14:00  |  |  |  |  |  |



## Daily ARO Operations

Well: PARAMOUNT ET AL ARROWHEAD O-15

Pad: O-15/6030-12300

Business Unit: Central and Other

Rig: Precision Well Servicing 830

Report Date: 1/31/2023

Report #: 7

|  |   |                               |  |                                     |                    |  |  |  |  |  |  |  |
|--|---|-------------------------------|--|-------------------------------------|--------------------|--|--|--|--|--|--|--|
| API/UWI<br>300/O-15/6030-12300/01                | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |  |  |  |  |  |  |  |
| Original KB Elevation (m)<br>386.70              | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |  |  |  |  |  |  |  |
| KB-Ground Distance (m)<br>6.20                   | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |  |  |  |  |  |  |  |
| <b>Bill 30 Requirements (Head Count Only)</b>    |   |                               |  |                                     |                    |  |  |  |  |  |  |  |
| Type   | Count                                     |                               |  |                                     |                    |  |  |  |  |  |  |  |
| Service  | 10  |                               |  |                                     |                    |  |  |  |  |  |  |  |
| <b>Contractor Hours (Head Count &amp; Hours)</b> |   |                               |  |                                     |                    |  |  |  |  |  |  |  |
| Type   | Count                                     |                               | Reg Work Time (hr)   |                                     |                    |  |  |  |  |  |  |  |
|  |   |                               |  |                                     |                    |  |  |  |  |  |  |  |
| <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) |  |  |  |  |  |  |  |
| Fresh Water                                      | 102.00                                    |                               | 56.00  | 46.00                               | 46.00              |  |  |  |  |  |  |  |
| Other  |   |                               | -1.00  | 1.00                                | 0.00               |  |  |  |  |  |  |  |
| Produced Water                                   | 0.00                                      | 119.00                        | -160.60  | 43.30                               | 1.70               |  |  |  |  |  |  |  |
| <b>Weather &amp; Road Condition</b>              |   |                               |  |                                     |                    |  |  |  |  |  |  |  |
| Weather  |   | T (°C)                        | Road Cond  |                                     |                    |  |  |  |  |  |  |  |
| Partly Cloudy                                    |   | -18                           | Fair   |                                     |                    |  |  |  |  |  |  |  |



## Daily ARO Operations

Well: PARAMOUNT ET AL ARROWHEAD O-15

Pad: O-15/6030-12300

Business Unit: Central and Other

Rig: Precision Well Servicing 830

Report Date: 2/1/2023

Report #: 8

|  |   |                               |  |                                     |                    |                   |  |  |
|--|---|-------------------------------|--|-------------------------------------|--------------------|-------------------|--|--|
| API/UWI<br>300/O-15/6030-12300/01  | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |                   |  |  |
| Original KB Elevation (m)<br>386.70  | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |                   |  |  |
| KB-Ground Distance (m)<br>6.20   | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |                   |  |  |
| <b>Casing Strings</b>  |   |                               |  |                                     |                    |                   |  |  |
| Csg Des  | Run Date                                  | Set Depth (mKB)               | Top (mKB)  | Len (m)                             | OD (mm)            |                   |  |  |
| Conductor  |   | 10.00                         | 6.20   | 3.80                                | 508.0              |                   |  |  |
| Surface  |   | 500.00                        | 6.20   | 493.80                              | 339.7              |                   |  |  |
| Inter 1  |   | 1,196.00                      | 6.20   | 1,189.80                            | 244.5              |                   |  |  |
| Inter 2  |   | 2,805.00                      | 6.20   | 2,798.80                            | 177.8              |                   |  |  |
| Open Hole  |   | 3,301.00                      | 2,805.00   | 496.00                              | 155.6              |                   |  |  |
| <b>Zones / Event Sequence</b>  |   |                               |  |                                     |                    |                   |  |  |
| Zone Name  | Zone Code                                 |                               |  | Current Status                      |                    |                   |  |  |
|  |   |                               |  |                                     |                    |                   |  |  |
| <b>Job Information / AFE</b>   |   |                               |  |                                     |                    |                   |  |  |
| Objective  |   |                               |  |                                     |                    |                   |  |  |
| Well Abandonment. Level II OROGO well that is compliant. Plan is to abandon this well bore when access to Arrowhead is opened up |   |                               |  |                                     |                    |                   |  |  |
| Target Formation   |   |                               |  |                                     |                    |                   |  |  |
| Cambrian   |   |                               |  |                                     |                    |                   |  |  |
| <b>Daily Pressures</b>   |   |                               |  |                                     |                    |                   |  |  |
| Subtype  | P (kPa)                                   |                               |  |                                     |                    |                   |  |  |
| SICP   | 0   |                               |  |                                     |                    |                   |  |  |
| <b>Operation Summary</b>   |   |                               |  |                                     |                    |                   |  |  |
| Operations Next Report Period  |   |                               |  |                                     |                    |                   |  |  |
| Cut n cap casing. Backfill bell hole.  |   |                               |  |                                     |                    |                   |  |  |
| 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  | 07:00                                     | 7.00                          | 7.00   | WOD                                 | PP                 |                   | Wait on day;ight.  |  |
| 07:00  | 07:30                                     | 0.50                          | 7.50   | Safety Mtg                          | PP                 |                   | Held safety and operational meeting. Discuss job scope and program with all personal. Document & discuss expected daily operations, hazards & control measures. Review Site ERP and service providers JSA's. |  |
| 07:30  | 16:30                                     | 9.00                          | 16.50  | Rig Mob                             | PP                 |                   | Mobilize PWS 830 to Laird Hwy. Load PWS # 830 on wheeler unit. Travel to BC / NWT Border. Unload PWS # 830. Travel rig and support equipment to Ft Nelson.   |  |
|  |   |                               |  |                                     |                    |                   | Load and haul to base (2) 63 m <sup>3</sup> test tanks, (3) rig matting, 248 Joints Tubing 73 mm L-80 9.67 kg/m, (1) pipe rack, (1) catwalk, (1) bathroom and (1) office trailer.                            |  |
| 16:30  | 18:30                                     | 2.00                          | 18.50  | Cut/Cap                             | PP                 |                   | Load and travel track hoe from PRL 300/B-41-6040-12245/0. to site. Unload track hoe.   |  |
|  |   |                               |  |                                     |                    |                   | No visible bubbles around wellhead. Swept area and around wellhead for LEL. None detected. Test Intermediate Casing # 1 and Surface Casing for LEL. None detected.   |  |
|  |   |                               |  |                                     |                    |                   | Confirm no existence of underground lines near well centre.  |  |
|  |   |                               |  |                                     |                    |                   | Track hoe dig bellhole around wellhead to depth of 3.5 m. Ensure proper sloping, stairway exit and spoil pile spacing from hellhole.   |  |
|  |   |                               |  |                                     |                    |                   | - Secure and flag off bell hole perimeter for night.   |  |
|  |   |                               |  |                                     |                    |                   | - Leave equipment on site for night.   |  |
|  |   |                               |  |                                     |                    |                   | - End report for day.  |  |
| 18:30  | 19:00                                     | 0.50                          | 19.00  | SDFN                                | PP                 |                   | Secure and flag off bell hole perimeter for night.   |  |
|  |   |                               |  |                                     |                    |                   | Leave equipment on site for night.   |  |
|  |   |                               |  |                                     |                    |                   | End report for day.  |  |
| 19:00  | 00:00                                     | 5.00                          | 24.00  | WOE                                 | PP                 |                   | Wait on welder to complete Cut n Cap operations.   |  |
| <b>6:00 Update</b>   |   |                               |  |                                     |                    | Operation Details |  |  |
| Start Time   | End Time                                  | Dur (hr)                      | Time Code  | Ops Category                        | NPT                |                   |  |  |
| 00:00  | 07:00                                     | 7.00                          |  | PP                                  |                    |                   | Wait on day;ight.  |  |



## Daily ARO Operations

**Well: PARAMOUNT ET AL ARROWHEAD O-15**

**Pad: O-15/6030-12300**

**Business Unit: Central and Other**

**Rig: Precision Well Servicing 830**

**Report Date: 2/1/2023**

**Report #: 8**

|  |   |                               |  |                                     |                    |
|--|---|-------------------------------|--|-------------------------------------|--------------------|
| API/UWI<br>300/O-15/6030-12300/01                | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |
| Original KB Elevation (m)<br>386.70              | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |
| KB-Ground Distance (m)<br>6.20                   | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |
| <b>Other In Hole</b>                             |   |                               |  |                                     |                    |
| Des  | Icon                                      | OD (mm)                       | Top Depth (mKB)  | Btm (mKB)                           | Run Date           |
| Bridge Plug - Permanent                          |   | 159.5                         | 2,306.00   | 2,306.50                            |                    |
| Glacier (dirt) Tile                              |   | 244.5                         | 0.00   | 8.75                                | 2/2/2023 14:00     |
| Steel Plate                                      |   | 339.7                         | 8.75   | 8.81                                | 2/2/2023 14:00     |
| Glacier (dirt) Tile                              |   | 177.8                         | 0.00   | 8.75                                | 2/2/2023 14:00     |
| Glacier (dirt) Tile                              |   | 339.7                         | 0.00   | 8.75                                | 2/2/2023 14:00     |
| <b>Bill 30 Requirements (Head Count Only)</b>    |   |                               |  |                                     |                    |
| Type   |   |                               | Count  |                                     |                    |
| Service  |   |                               |  |                                     | 15                 |
| <b>Contractor Hours (Head Count &amp; Hours)</b> |   |                               |  |                                     |                    |
| Type   |   |                               | Count  |                                     | Reg Work Time (hr) |
|  |   |                               |  |                                     |                    |
| <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) |
| Fresh Water                                      | 102.00                                    |                               | 56.00  | 46.00                               | 46.00              |
| Other  |   |                               | -1.00  | 1.00                                | 0.00               |
| Produced Water                                   | 0.00                                      | 119.00                        | -160.60  | 43.30                               | 1.70               |
|  |   |                               |  |                                     | 41.60              |
| <b>Weather &amp; Road Condition</b>              |   |                               |  |                                     |                    |
| Weather  |   | T (°C)                        |  | Road Cond                           |                    |
| Partly Cloudy                                    |   | -32                           |  | Fair                                |                    |



## Daily ARO Operations

Well: PARAMOUNT ET AL ARROWHEAD O-15

Pad: O-15/6030-12300

Business Unit: Central and Other

Rig: Precision Well Servicing 830

Report Date: 2/2/2023

Report #: 9

|  |   |                               |  |                                     |                    |     |   |
|--|---|-------------------------------|--|-------------------------------------|--------------------|-----|---|
| API/UWI<br>300/O-15/6030-12300/01  | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories                              | Working Interest (%)<br>50          | License #<br>N1834 |     |   |
| Original KB Elevation (m)<br>386.70  | Ground Elevation (m)<br>380.50            | Casing Flange Elevation (m)   | Tubing Head Elevation (m)  | Well Configuration Type<br>Deviated |                    |     |   |
| KB-Ground Distance (m)<br>6.20   | KB-Tubing Head Distance (m)               | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |                                     |                    |     |   |
| <b>Casing Strings</b>  |   |                               |  |                                     |                    |     |   |
| Csg Des  | Run Date                                  | Set Depth (mKB)               | Top (mKB)  | Len (m)                             | OD (mm)            |     |   |
| Conductor  |   | 10.00                         | 6.20   | 3.80                                | 508.0              |     |   |
| Surface  |   | 500.00                        | 6.20   | 493.80                              | 339.7              |     |   |
| Inter 1  |   | 1,196.00                      | 6.20   | 1,189.80                            | 244.5              |     |   |
| Inter 2  |   | 2,805.00                      | 6.20   | 2,798.80                            | 177.8              |     |   |
| Open Hole  |   | 3,301.00                      | 2,805.00   | 496.00                              | 155.6              |     |   |
| <b>Zones / Event Sequence</b>  |   |                               |  |                                     |                    |     |   |
| Zone Name  |   | Zone Code                     |  | Current Status                      |                    |     |   |
|  |   |                               |  |                                     |                    |     |   |
| <b>Job Information / AFE</b>   |   |                               |  |                                     |                    |     |   |
| Objective  |   |                               |  |                                     |                    |     |   |
| Well Abandonment. Level II OROGO well that is compliant. Plan is to abandon this well bore when access to Arrowhead is opened up |   |                               |  |                                     |                    |     |   |
| Target Formation   |   |                               |  |                                     |                    |     |   |
| Cambrian   |   |                               |  |                                     |                    |     |   |
| <b>Daily Pressures</b>   |   |                               |  |                                     |                    |     |   |
| Subtype  |   |                               |  | P (kPa)                             |                    |     |   |
| SICP   |   |                               |  |                                     |                    |     |   |
| <b>Operation Summary</b>   |   |                               |  |                                     |                    |     |   |
| Operations Next Report Period  |   |                               |  |                                     |                    |     |   |
| Job completed.   |   |                               |  |                                     |                    |     |   |
| Operation at 6am   |   |                               |  |                                     |                    |     |   |
| Job completed.   |   |                               |  |                                     |                    |     |   |
| <b>24 Hr Operational Comments</b>  |   |                               |  |                                     |                    |     |   |
| Start Time   | End Time                                  | Dur (hr)                      | Cum Dur (hr)   | Time Code                           | Ops Category       | NPT | Operation Details   |
| 00:00  | 07:00                                     | 7.00                          | 7.00   | WOD                                 | PP                 |     | Wait on day/night.  |
| 07:00  | 07:30                                     | 0.50                          | 7.50   | Safety Mtg                          | PP                 |     | Held safety and operational meeting. Discuss job scope and program with all personal. Document & discuss expected daily operations, hazards & control measures. Review Site ERP and service providers JSA's.  |
| 07:30  | 09:30                                     | 2.00                          | 9.50   | Rig Mob                             | PP                 |     | PWS # 830 start travel from Ft Nelson to Precision Well Servicing yard in Ft St John.   |
| 09:30  | 15:30                                     | 6.00                          | 15.50  | Cut/Cap                             | PP                 |     | <p>No visible bubbles around wellhead. Swept area and around wellhead for LEL. None detected. Swept 244.5 mm Production Casing and 339.7 mm Surface Casing for LEL. None detected. Confirm reading with welder 4 Head Monitor.</p> <p>Track hoe finish digging bellhole around wellhead to depth of 3.0 m. Ensure proper slopping, stairway exit and spoil pile spacing from bellhole. No signs contaminated soil around wellhead.</p> <p>Cut and remove 508 mm conductor at 2.60 m (9.1 mKB) below surface casing flange. Chip away cement between conductor and surface casing.</p> <p>Cut window in 339.7 mm Surface Casing, 244.5 mm Intermediate #1 Casing and 177.8 mm Intermediate #2 Casing.</p> <p>Cut and bevel 339.7 mm Surface Casing at 2.40 m (8.9 mKB). Cut and bevel 244.5 mm Intermediate #1 Casing at 2.3 m (8.8 mKB). Cut and bevel 177.8 mm Intermediate Casing # 2 at 2.25 m (8.75 mKB). KB-GL = 6.5 m</p> <p>Surface cement between Surface Casing and Intermediate # 1 - 244.5 mm casing. No surface cement between Intermediate # 1 - 244.5 mm Casing and Intermediate # 2 - 177.8 mm Casing.</p> <p>Stitch (vent) weld 6.3 mm plate on top of 339.7 mm Surface Casing, 244.5 mm Intermediate # 1 Casing and 177.8 mm Intermediate # 2 Casing. Weld write 1834 on 177.8 mm Production Casing cap.</p> <p>Back fill and tamp bellhole. Rough level and mound up surface ground.</p> <p>Install (orange) Tombstone Surface Marker onto 73 mm pipe. Pipe is anchored and located 1.0 m x North of well centre. Weld write on 45° - Tombstone marker 1834 + Paramount Res Ltd + Lat 60° 24' 53.694" N + Long 123° 02' 31.174" W + NAD 83</p> <p>Cut n Cap job completed. Release contractors.</p> |



## Daily ARO Operations

**Well: PARAMOUNT ET AL ARROWHEAD O-15**

**Pad: O-15/6030-12300**

**Business Unit: Central and Other**

**Rig: Precision Well Servicing 830**

**Report Date: 2/2/2023**

**Report #: 9**

|                                   |   |                         |   |                            |                    |
|-----------------------------------|---|-------------------------|---|----------------------------|--------------------|
| API/UWI<br>300/O-15/6030-12300/01 | Surface Legal Location<br>O-15/6030-12300 | Field Name<br>Arrowhead | State/Province<br>NorthWest Territories | Working Interest (%)<br>50 | License #<br>N1834 |
|-----------------------------------|---|-------------------------|---|----------------------------|--------------------|

|                                     |                                |                             |                           |                                     |
|-------------------------------------|--------------------------------|-----------------------------|---------------------------|-------------------------------------|
| Original KB Elevation (m)<br>386.70 | Ground Elevation (m)<br>380.50 | Casing Flange Elevation (m) | Tubing Head Elevation (m) | Well Configuration Type<br>Deviated |
|-------------------------------------|--------------------------------|-----------------------------|---------------------------|-------------------------------------|

|                                |                             |                               |  |
|--------------------------------|-----------------------------|-------------------------------|--|
| KB-Ground Distance (m)<br>6.20 | KB-Tubing Head Distance (m) | Total Depth (mKB)<br>3,301.00 | PBTD (All) (mKB)<br>Original Hole - 2,780.00; Sidetrack 1 - 2,780.00 |
|--------------------------------|-----------------------------|-------------------------------|--|

### 24 Hr Operational Comments

| Start Time | End Time | Dur (hr) | Cum Dur (hr) | Time Code       | Ops Category | NPT | Operation Details  |
|------------|----------|----------|--------------|-----------------|--------------|-----|--|
| 15:30      | 19:00    | 3.50     | 19.00        | Rig Mob         | PP           |     | PWS # 830 finish travel from Ft Nelson to Precision Well Servicing yard in Ft St John. |
| 19:00      | 00:00    | 5.00     | 24.00        | No Job Activity | PP           |     | Job completed.<br><br>*** Adjust final costs as received***                            |

### Other In Hole

| Des                     | Icon | OD (mm) | Top Depth (mKB) | Btm (mKB) | Run Date       |
|-------------------------|------|---------|-----------------|-----------|----------------|
| Bridge Plug - Permanent | ■    | 159.5   | 2,306.00        | 2,306.50  |                |
| Glacier (dirt) Tile     | ■    | 244.5   | 0.00            | 8.75      | 2/2/2023 14:00 |
| Steel Plate             | ■    | 339.7   | 8.75            | 8.81      | 2/2/2023 14:00 |
| Glacier (dirt) Tile     | ■    | 177.8   | 0.00            | 8.75      | 2/2/2023 14:00 |
| Glacier (dirt) Tile     | ■    | 339.7   | 0.00            | 8.75      | 2/2/2023 14:00 |

### Bill 30 Requirements (Head Count Only)

| Type    | Count |
|---------|-------|
| Service | 15    |

### Contractor Hours (Head Count & Hours)

| Type | Count | Reg Work Time (hr) |
|------|-------|--------------------|
|      |       |                    |

### 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) |
|----------------|-------------------|-------------------|----------------|------------------|--------------------|----------------------|--------------------|
| Fresh Water    | 102.00            |                   | 56.00          | 46.00            |                    | 46.00                |                    |
| Other          |                   |                   | -1.00          | 1.00             | 0.00               | 1.00                 |                    |
| Produced Water | 0.00              | 119.00            | -160.60        | 43.30            | 1.70               | 41.60                |                    |

### Weather & Road Condition

| Weather | T (°C) | Road Cond |
|---------|--------|-----------|
| Clear   | -25    | Fair      |



## Tubing and Rods (Schematic)

Well Name: PARAMOUNT ET AL ARROWHEAD O-15

|                                     |   |                                |                               |   |
|-------------------------------------|---|--------------------------------|-------------------------------|---|
| API/UWI<br>300/O-15/6030-12300/01   | Surface Legal Location<br>O-15/6030-12300 | License #<br>N1834             | Field Name<br>Arrowhead       | State/Province<br>NorthWest Territories |
| Well Configuration Type<br>Deviated | Original KB Elevation (m)<br>386.70       | KB-Ground Distance (m)<br>6.20 | KB-Casing Flange Distance (m) | KB-Tubing Head Distance (m)             |

|  |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
|--|---------|--|-----------------------|---------------|--------------------------|--------------------|--------------------------|----------------|--|--|--|--|--|--|--|
| Deviated, Sidetrack 1, 2/6/2023 11:28:35 AM  |         | <des> set at <depthbmtm>mKB on <dttmrun> |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Vertical schematic (actual)  |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Des Set Depth (mKB) Run Date Lateral Position Pull Date Cut/Pull Date Depth Cut/Pull (...  |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Item # Item Description Joints Length (m) OD (mm) ID (mm) Wt (kg/m) Grade Top (mKB) Btm (mKB)  |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Comment  |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| <b>Other In Hole</b>   |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Description Bridge Plug - Permanent  |         |  |                       | OD (mm) 159.5 | Top Depth (mKB) 2,306.00 | Btm (mKB) 2,306.50 | Run Date                 | Mill/Pull Date |  |  |  |  |  |  |  |
| Comment  |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Description Charger Thermal 40 + 0.3% CHRT-H   |         |  |                       | OD (mm) 159.5 | Top Depth (mKB) 2,260.00 | Btm (mKB) 2,306.00 | Run Date 1/30/2023 08:30 | Mill/Pull Date |  |  |  |  |  |  |  |
| Comment Mix and pump 1.0 m³ Charger Thermal 40 + 0.3% CHRT-H x 1800 kg/m³ cement slurry. Slurry Yield 0.830 m³/t. Fluid loss 35 cc/min. Thick time 3.0 hrs. Pump rate 500 L/min x 3 MPa. Displace behind cement slurry 6.7 m³ fresh (non-saline) water 25°C. Circulated and balance cement plug from 2256 mKB to 2306 mKB. |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Description Fresh (non-saline) Water   |         |  |                       | OD (mm) 159.5 | Top Depth (mKB) 50.00    | Btm (mKB) 2,260.00 | Run Date 1/30/2023 19:00 | Mill/Pull Date |  |  |  |  |  |  |  |
| Comment  |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Description Glacier (dirt) Tile  |         |  |                       | OD (mm) 244.5 | Top Depth (mKB) 0.00     | Btm (mKB) 8.75     | Run Date 2/2/2023 14:00  | Mill/Pull Date |  |  |  |  |  |  |  |
| Comment  |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Description Steel Plate  |         |  |                       | OD (mm) 339.7 | Top Depth (mKB) 8.75     | Btm (mKB) 8.81     | Run Date 2/2/2023 14:00  | Mill/Pull Date |  |  |  |  |  |  |  |
| Comment  |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Description Glacier (dirt) Tile  |         |  |                       | OD (mm) 177.8 | Top Depth (mKB) 0.00     | Btm (mKB) 8.75     | Run Date 2/2/2023 14:00  | Mill/Pull Date |  |  |  |  |  |  |  |
| Comment  |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Description Glacier (dirt) Tile  |         |  |                       | OD (mm) 339.7 | Top Depth (mKB) 0.00     | Btm (mKB) 8.75     | Run Date 2/2/2023 14:00  | Mill/Pull Date |  |  |  |  |  |  |  |
| Comment  |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| <b>Cement Stages</b>   |         |  |                       |               |                          |                    |                          |                |  |  |  |  |  |  |  |
| Type   | Subtype | String                                   | Des                   | End Date      | Top (mKB)                | Btm (mKB)          |                          |                |  |  |  |  |  |  |  |
| Plug   |         | Original Hole                            | Cement Plug           |               | 3,191.00                 | 3,301.00           |                          |                |  |  |  |  |  |  |  |
| Plug   |         | Original Hole                            | Cement Plug           |               | 2,780.00                 | 3,005.00           |                          |                |  |  |  |  |  |  |  |
| Plug   |         | Inter 2, 2,805.00mKB                     | Plug back & whipstock |               | 2,298.00                 | 2,306.00           |                          |                |  |  |  |  |  |  |  |

1834