

February 2, 2023

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

Attention: Ms. Pauline de Jong
Executive Director

**Cover Letter for Cut/Cap Operation as part of the Well Abandonment
PARAMOUNT ET AL ARROWHEAD, ACW-2022-PAR-C-02-WID1857**

Please find attached for submission the required documents for Well Termination (Abandonment) of the 300/C-02/6040-12300/01 well, Licence # 1857

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

WELL TERMINATION RECORD

INSTRUCTIONS:

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

WELL INFORMATION

Well Name	PARAMOUNT BERKLEY ARROWHEAD C-02	Operator	Paramount Resources Ltd.
Well Type	Exploratory Well (if Other, specify _____)	Contractor	Precision Well Servicing
Well Identifier	1857	Current Well Status	Abandoned

RELATED LICENCES AND AUTHORIZATIONS

Operating Licence No.	NWT-OL-2014-014	Operations Authorization	OA - 2020-001- PAR
PRA Licence No.	Exploration Licence 383	Approval to Alter Condition of Well	ACW - 2022- PAR-C-02- WID1857

LOCATION INFORMATION

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

Surface	Lat 60 ° 31 ' 1239 "	Long 123 ° 01 ' 15 "
Bottom Hole	Lat 60 ° 52011 ' 0 "	Long 123 ° 02106 ' W "

Region: Dehcho Unit: C Section: 2 Grid: 60-40 123-00

ACTIVITY INFORMATION

Target Formation(s)	Chinkeh	Field/Pool(s)	Liard / East
Elevation KB/RT	454.1 m	Ground Level / Seafloor	447.2 m
Spud/Re-entry Date	March 11, 1999 days	Total Depth	694.0 m KB
Rig Release Date	March 29, 1999	Total Vertical Depth	694.0 m KB

CASING AND CEMENTING PROGRAM

O.D. (mm)	Weight (kg/m)	Grade	Setting Depth (m KB)	Cementing (m ³)
339.7	81.1	J55	504.0	39.5
244.5	64.7	L80	694.0	19.7



PLUGGING PROGRAM					
Type of Plug	Interval (m KB)	Felt	Setting Depth (m KB)	Cementing (m ³)	
Bridge	558.0-578.0	Yes	578.0	1.0	
Select	-	Select			
Select	-	Select			
Select	-	Select			

PERFORATION	
Interval (m KB)	Comments
602.0-610.0	Well never produced
-	
-	
-	

OTHER	
Lost Circulation/Overpressure Zones	No
Equipment Left on Site (Describe)	Wellhead Sign
Provision for Re-entry (Describe and attach sketch)	No
Other Downhole Completion/Suspension	Well was previously suspended with tubing plug
Additional Comments	Abandonment approved by OROGO

<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	 John Hawkins	Date	February 2, 2023

CHANGE OF WELL STATUS

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

INSTRUCTIONS:

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

WELL INFORMATION

Well Name	PARAMOUNT BERKLEY ARROWHEAD C-02	Operator	Paramount Resources Ltd.
Well Identifier (WID)	1857	Unique Well Identifier (30xx...)	300/C-02/6040-12300/01

STATUS INFORMATION

Effective Date: January 25, 2023

Well Type:	Other
If other, specify:	Not tied in
Well Mode:	Abandoned
If other, specify:	
Other:	
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 Asseet Management	E-Mail	john.hawkins@paramountres.com
Operator	Paramount Resources Ltd.		

Signature	 John Hawkins	Date	February 2, 2023
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Responsible Officer of Company



ARO Daily Op Summary

Paramount

resources ltd.

Well Name: PARAMOUNT BERKLEY ARROWHEAD C-02

Well Header

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	License # N1857	State/Province NorthWest Territories	Well Configuration Type Vertical
Ground Elevation (m) 447.20	Casing Flange Elevation (m)	KB-Ground Distance (m) 6.90	KB-Casing Flange Distance (m)	Spud Date 3/11/1999	Rig Release Date 3/29/1999

Daily Operations

Start Date	Summary
1/12/2023	<p>HSE Summary: No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Construction start clearing, leveling and freezing in access road to site. - Contractors on standby in camp awaiting completion of access road and leveling of site. - End of report for day.
1/15/2023	<p>HSE Summary: No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Construction continue leveling and freezing in access road to site. - Contractors on standby in camp awaiting completion of access road and leveling of site. - End of report for day.
1/16/2023	<p>HSE Summary: No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Supervisor inspect site prior to start of operations. No signs of hydrocarbon staining on site. No signs of LEL or H2S at wellhead. Grating around wellhead. - Travel PWS # 830, doghouse, rig pump, 30 m³ rig tank, (1) 63 m³ tank, (1) 100 HP boiler, 19 m flare stack, communications tower, rig matting, 279 mm BOP, 279 mm BOP Accumulator building, 279 mm BOP Generator building, and (2) offices to site. - Construction assist in level snow around well centre. Remove grating around well centre. Pickup debris from around well centre. Fill in well centre with dirt. - Spot on site as per spacing requirements rig matting (1) insulated 63 m³ tank, (1) 19 m flare stack, and bathroom. Spot PWS Rig # 830 on matting at wellhead. Waiting for available trucks to move remaining equipment to site on 17-Jan-2023 **NOTE** OROGO representatives on site for inspection. - 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. - Confirm the surface casing vent is open into wellhead. Perform 30 minute surface casing vent bubble test. No bubbles observe - Install Annular Bag onto BOP. Run accumulator lines to BOP. Setup remote control stand. - Setup StarLink Communications. Rig in boiler and lines to wellhead and 63 m³ tank. Haul in 60 m³ Non-saline (fresh) water and put in 63 m³ tank. - Night boiler hand to heat wellhead and tank for night. - End report for day.



ARO Daily Op Summary

Well Name: PARAMOUNT BERKLEY ARROWHEAD C-02

Well Header

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	License # N1857	State/Province NorthWest Territories	Well Configuration Type Vertical
Ground Elevation (m) 447.20	Casing Flange Elevation (m)	KB-Ground Distance (m) 6.90	KB-Casing Flange Distance (m)	Spud Date 3/11/1999	Rig Release Date 3/29/1999

Daily Operations

Start Date	Summary
1/17/2023	<p>HSE Summary: No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Stump function BOP's. Start pressure 21 MPa. Close blind rams 9 secs. Close pipe rams in 7 secs . Close Annular 43 secs. End pressure 11 Mpa. Recharge system in 3:39 minutes. - 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. - Remove 179.4 mm upper wellhead assembly with Dual 89 mm x 34.5 MPa Master Valves from 179.4 mm x 279 mm Tubing Head. Tubing hanger inside 179 mm tubing head. Extra time to remove rusty bolts. - Install pup joint with 34.5 MPa TIW Valve into 73 mm tubing hanger. Strip on wellhead 179 mm x 279 mm DSA and 279 mm x 34.5 MPa Class III BOP. Rig in work, floor, heater and tubing handling equipment - Test tubing rams and DSA / BOP wellhead connection to 1.4 MPa (low) and 21 MPa (high). Held each test 10 min. - Pressure 73 mm tubing and tubing plug to 1.4 MPa (low) and 21 MPa (high). Held each test 10 minutes. Pump 1 m³ fresh water to test and fill. - Test annulus and Baker A-3 Packer 1.4 MPa (low) and 21 MPa (high). Held each test 10 minutes. Annulus was full fluid. - Release tubing string from Baker A-3 Loc Set Packer. Recover 1.0 m³ fresh water with diesel staining from tubing. - Held BOP drill. - Pull (60) Joints Tubing 73 mm L-80 9.67 kg/m. Land tubing hanger with (1) Pup Joint 73 mm 3.1 m L-80, (1) centralizer 213 mm and (1) Baker On/Off - Rig back floor and tarps. Remove 279 mm 34.5 MPa Class II BOP. Remove 179 mm x 279 mm 34.5 MPa Tubing Head with tubing hanger, pup joint, centralizer and on/off tool. - Install 279 mm x 34.5 MPa Class II BOP on wellhead. - Pressure test wellhead connection 1.4 MPa (low) and 21 MPa (high). Held each 10 min. - Winterize equipment. Secure and tarp in BOP. SDFN rig crew. - Night boiler hand maintain heat on wellhead and fluid. - End report for day.
1/18/2023	<p>HSE Summary: No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Night boiler hand to maintain heat on wellhead and fluids. - Rig in working floor, V-door, stairways and tarps. - Rig in eline unit. Run in hole CCL / 218 mm Junk Basket - Gauge Ring. Tag packer 578.6 mKB. Pull out hole CCL / Junk Basket - Gauge Ring. Secure onsite communications. Run in CCL / KAPPA - 8K - 244.5 mm Permanent Bridge Plug. Correlate on depth to previous CCL / Junk Basket Gauge Ring run. Set KAPPA - 8K - 244.5 mm PBP at 578 mKB (top) x 10:44 hrs. Pull CCL / setting tool. Rig down eline. - Pressure test casing - Permanent Bridge Plug at 578 mKB to 7108 KPa. Held 15 minutes. Pressure end 7075 KPa. Good test. - Run in (2) Pup Joints 73 mm x 3.1 m and (60) Joints Tubing 73 mm. - Tag PBP 578 mKB. Tubing bottom 577.7 mKB. Reverse circulate 25.0 m³ non-saline (fresh) water x 600 L/min x 2.5 MPa. Last returns salinity of 0 ppm. Displaced entire wellbore to non-saline (fresh) water. - Wait on cement units. - Rig in Cement Unit. Test pump line 14.0 MPa. Held 5 minutes. Mix and pump 1.0 m³ Charger Thermal 40 + 1% CaCl₂ x 1800 kg/m³ cement slurry. Pump rate 300 L/min x 3 MPa. Displace behind cement slurry 1.4 m³ non-saline (fresh) water 25°C. Maintain 3.0 MPa back pressure. Circulated and balance cement plug from 553 mKB to 578 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 521 mKB. - Rig in circulation lines. Reverse circulate 4 m³ (total) - 25° non-saline (fresh) water at 500 L/min x 3.0 MPa. Returns show salinity 0 ppm. End returns are clean non-saline (fresh) water. Entire hole displaced to non-saline (fresh) water. - Pull and lay down (2) Joints Tubing 73 mm L-80. Tubing bottom 503 mKB. - Winterize and secure equipment and site. - SDFN rig crew. - Boiler hand to maintain heat on fluid and equipment. - End report for day.



ARO Daily Op Summary

Paramount

resources Ltd.

Well Name: PARAMOUNT BERKLEY ARROWHEAD C-02

Well Header

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	License # N1857	State/Province NorthWest Territories	Well Configuration Type Vertical
Ground Elevation (m) 447.20	Casing Flange Elevation (m)	KB-Ground Distance (m) 6.90	KB-Casing Flange Distance (m)	Spud Date 3/11/1999	Rig Release Date 3/29/1999

Daily Operations

Start Date	Summary
1/19/2023	<p>HSE Summary: No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Night boiler hand to maintain heat on wellhead and fluids. - Pickup and run in (6) Joints Tubing 73 mm L-80. Tag (hard) cement top at 558 mKB with 3000 daN weight. Pickup tubing to 557 mKB. - Pressure test casing and cement plug to 7083 KPa. Held for 10 minutes. Pressure drop to 7019 KPa. Good test. - Reverse circulate wellbore at 500 L/min x 2.0 MPa with 21 m³ non-saline (fresh) water. Returns at start, middle and end are non-saline (fresh) water. Displaced entire wellbore to non-saline (fresh) water. - Pull and lay down (6) Joints Tubing 73 mm L-80 - Pull and stand in derrick (52) Joints Tubing 73 mm L-80 - Run in Bow Plug 73mm and (52) Joints Tubing 73 mm L-80 to 503 mKB. Displace from wellbore 1.51 m³ non-saline (fresh) water. - Pull and laydown (52) Joints Tubing 73 mm L-80 and (1) Bow Plug 73 mm <p>**NOTE** Estimated fluid level 54 mKB.</p> <ul style="list-style-type: none"> - Rig down 5 MPa x 12 m³ test vessel, main line, flare line and 19 m flare stack. Rig down working floor and tubing handling equipment. Split from BOP and lay down 279 mm Annular Bag. Remove 279 mm 34.5 MPa BOP. - Install 179 mm x 279 mm Tubing Head. Install Upper Wellhead Dual 88.9 mm Dual Master Valve assembly. - Plug, clean and chain secure wellhead. remove handles from any valve not chained. - Rig down rental accumulator lines, generator and accumulator building. Rig down pump line, return line and steam lines. Haul (38) m³ work fluids off site. Rig down PWS 830 and support equipment. - Rig parked on location waiting for construction to complete freezing in of 300/B-41-6040-12245/0 - Clean and secure location. - SDFN.
1/20/2023	<p>HSE Summary: No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p>Operations Summary: Bed truck move rig matting to 300/B-41-6040-12245/0. Soft access road for 2 km prior to site. Determine movement of PWS Rig # 830 and rentals off location may damage road furhther. Wait road access t be frozen in overnight to 300/B-41-6040-12245/0.</p> <p>Rig perform scheduled maintenance on equipment.</p> <p>Contractors on standby in camp.</p> <p>Unable to get track hoe or welder to perform Cut n Cap operations until 25-Jan-2023.</p> <p>End of report.</p>
1/25/2023	<p>HSE Summary: No incident, accidents, or spills. Qwest Air medi-vac # QW410.</p> <p>Operations Summary:</p> <ul style="list-style-type: none"> - Load and travel track hoe from Ft Laird to site. Unload track hoe. - 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. - Test crew assist in breakapart wellhead. Trackhoe remove 244.5 mm x 179.4 mm Tubing Head with Upper Wellhead assembly. - Trackhoe remove 244.5 mm x 339.7 mm casing head. - Track hoe dig bellhole around wellhead to depth of 3.5 m. Ensure proper slopping, stairway exit and spoil pile spacing from bellhole. No signs contaminated soil around wellhead. - Cut and remove 508 mm conductor at 3.4 m below surface casing flange. Chip away cement between conductor and surface casing. - Cut window in 339.7 mm Surface Casing and 244.5 mm Production Casing. No surface cement between Surface Casing and Production Casing at surface. Cut 244.5 mm Production Casing at 3.1 m (10.0 mKB) and Surface Casing at 3.3 m (10.2 mKB) depth delow surface casing flange. - Remove surface flange from bellhole. Stitch (vent) weld 6.3 mm plate on top of Production Casing (10 mKB) and Surface Casing (10.2 mKB). Weld write 1857 on 244.5 mm Production Casing cap. - Back fill and tamp bellhole. Rough level surface ground. - Install (orange)Tombomstone 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 1857 + Paramount Res Ltd + 60° 31' 12.39" N + 123° 1' 15.81" W + NAD 83 - Cut n Cap job completed. Release contractors. - Trackhoe to be left on site for further construction operations. - Job completed. <p>*** Adjust final costs as received***</p>



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/12/2023
Report #: 1
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 220,517
Cum Cost to Date: 220,517

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)		Total Depth (mKB) 694.00	PBTD (All) (mKB)	

Casing Strings

Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	3/15/1999	504.00	6.90	497.10	339.7	320.3	81.105	K-55	
Production	3/25/1999	694.00	6.90	687.10	244.5	222.5	64.735	L-80	

Zones / Event Sequence

Zone Name	Zone Code	Current Status
Chinkeh	/1	

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	Start Date 1/12/2023	End Date	Rig Name Precision Well Servicing 830
AFE Number 20AB0218	Total AFE + Supp Amount (Cost) 673,833.98	Working Interest (%) 50.00	Total Field Estimate (Cost) 548,377.00

Job Dates

Job Complete	Date	Type	Note

Daily Pressures

Type	Subtype	P (kPa)	String
Casing	SICP		Production, 694.00mKB
Tubing	SITP		Tubing - Workstring set at 679.97mKB on 3/11/1999 00:01

Operation Summary

Operations Summary	
HSE Summary:	
No incident, accidents, or spills. Qwest Air medi-vac # QW410.	
Operations Summary:	
- Construction start clearing, leveling and freezing in access road to site.	
- Contractors on standby in camp awaiting completion of access road and leveling of site.	
- End of report for day.	
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. Contractors on standby in camp awaiting completion of access road and leveling of site. 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
Sand Fill (Permanent)		224.0	655.70	672.50	
Bridge Plug - Permanent		224.0	578.00	578.20	1/18/2023 10:44
Charger Thermal 40 + 1% CaCL2 Cement		224.0	558.00	578.00	1/18/2023 19:00
non-saline (fresh) water		224.0	54.00	558.00	1/19/2023 12:00
Steel Plate		224.0	10.00	10.06	1/25/2023 13:00
Glacier (dirt) Tile		244.5	0.00	10.00	1/25/2023 13:00
Glacier (dirt) Tile		339.7	0.00	10.00	1/25/2023 13:00

Daily Cost

Code 2	Code 3	Cost Des	AFE+Supp Amt (Cost)	Rpt Fld Est (Cost)	Cum Fld Est (Cost)	Cum Var (Cost)
9231	103	ACCESS CONSTRUCTION	0.00	100,000.00	100,000.00	-100,000.00



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/12/2023
 Report #: 1
 Total AFE Amount: 673,833.98
 Total SUP Amount:
 Total AFE + SUP: 673,834
 AFE #: 20AB0218
 Daily Cost Total: 220,517
 Cum Cost to Date: 220,517

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)	Total Depth (mKB) 694.00		PBTD (All) (mKB)	

Daily Cost

Code 2	Code 3	Cost Des	AFE+Supp Amt (Cost)	Rpt Fld Est (Cost)	Cum Fld Est (Cost)	Cum Var (Cost)
9231	203	SERVICE RIG & SWAB RIG DAYWORK	74,196.00	9,300.00	9,300.00	64,896.00
9231	210	CAMP & CATERING	77,475.00	96,000.00	96,000.00	-18,525.00
9231	214	FUEL	4,750.00	3,944.00	3,944.00	806.00
9231	216	COMMUNICATIONS & EQUIPMENT	7,350.00	428.00	428.00	6,922.00
9231	240	EQUIPMENT RENTALS	30,000.00	500.00	500.00	29,500.00
9231	260	LOGGING, CONDUCTOR WIRELINE, PERFORATING	15,325.00	2,000.00	2,000.00	13,325.00
9231	264	CEMENT SERVICES	21,460.00	6,000.00	6,000.00	15,460.00
9231	310	PRODUCTION TESTING SERVICES	16,000.00	2,345.00	2,345.00	13,655.00

Total

Report Start Date 1/12/2023	AFE+Supp Amt (Cost) 673,834	Daily Field Est Total (Cost) 220,517	Cum Field Est To Date (Cost) 220,517	AFE - Field Est (Cost) 125,456.98
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Responsible Superintendent

Contact Name	Mobile	Email

Responsible Engineer / Production Tech

Contact Name	Mobile	Email
Corey Thomson	403-660-7170	Corey.Thomson@paramountres.com

Wellsite Supervisor

Job Contact	Mobile	Email
Corey Thomson, Office Engineer	403-660-7170	Corey.Thomson@paramountres.com
Dusty Schneider, Wellsite Supervisor	780-897-5737	justinlinkschneider@gmail.com

Contractor Hours (Enter the Total Hours worked by ALL on-site that day) Reg Work Time should = Tot Work Time

Company	Type	Reg Work Time (hr)	Tot Work Time (hr)

Hazard IDs: Enter today's date, Card Type = Hazard ID and the total # of hazard IDs for the day

Date Report Submitted	Card Type	# Rpts

Flaring Volumes

Type	Subtype	Des	Amount	Units
		No Gas Flared		

Weather & Road Condition

Weather	T (°C)	Road Cond
Overcast	-18	Poor

Attachments

Des	Type	Subtype



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/15/2023
Report #: 2
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 31,593
Cum Cost to Date: 252,110

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
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Zones / Event Sequence

Zone Name	Zone Code	Current Status
Chinkeh	/1	

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	Start Date 1/12/2023	End Date	Rig Name Precision Well Servicing 830
AFE Number 20AB0218	Total AFE + Supp Amount (Cost) 673,833.98	Working Interest (%) 50.00	Total Field Estimate (Cost) 548,377.00

Job Dates

Job Complete	Date	Type	Note

Daily Pressures

Type	Subtype	P (kPa)	String
Casing	SICP		
Tubing	SITP		

Operation Summary

Operations Summary	
HSE Summary:	
No incident, accidents, or spills. Qwest Air medi-vac # QW410.	

Operations Summary:

- Construction continue leveling and freezing in access road to site.
- Contractors on standby in camp awaiting completion of access road and leveling of site.
- End of report for day.

Operations Next Report Period	
Move on and setup rentals, communications, fluids, tubing and PWS Rig # 830.	

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 continue leveling and freezing in access road to site. Contractors on standby in camp awaiting completion of access road and leveling of site. End of report for day.
19:00	00:00	5.00	24.00	WOD	PP		Wait on daylight.

6:00 Update

Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	07:00	7.00		PP		No activity on well.

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Sand Fill (Permanent)		224.0	655.70	672.50	
Bridge Plug - Permanent		224.0	578.00	578.20	1/18/2023 10:44
Charger Thermal 40 + 1% CaCL2 Cement		224.0	558.00	578.00	1/18/2023 19:00
non-saline (fresh) water		224.0	54.00	558.00	1/19/2023 12:00
Steel Plate		224.0	10.00	10.06	1/25/2023 13:00
Glacier (dirt) Tile		244.5	0.00	10.00	1/25/2023 13:00
Glacier (dirt) Tile		339.7	0.00	10.00	1/25/2023 13:00



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/15/2023
Report #: 2
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 31,593
Cum Cost to Date: 252,110

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)	Tubing Head Elevation (m)	Well Configuration Type Vertical	
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)	Total Depth (mKB) 694.00	PBTD (All) (mKB)		

Daily Cost

Code 2	Code 3	Cost Des	AFE+Supp Amt (Cost)	Rpt Fld Est (Cost)	Cum Fld Est (Cost)	Cum Var (Cost)
9231	203	SERVICE RIG & SWAB RIG DAYWORK	74,196.00	9,300.00	18,600.00	55,596.00
9231	210	CAMP & CATERING	77,475.00	7,500.00	103,500.00	-26,025.00
9231	216	COMMUNICATIONS & EQUIPMENT	7,350.00	428.00	856.00	6,494.00
9231	225	FIELD SUPERVISION	14,100.00	1,465.00	1,465.00	12,635.00
9231	230	MEDICAL, SAFETY, SECURITY SRVC & EQUIPMT	11,450.00	513.00	513.00	10,937.00
9231	240	EQUIPMENT RENTALS	30,000.00	500.00	1,000.00	29,000.00
9231	260	LOGGING, CONDUCTOR WIRELINE, PERFORATING	15,325.00	2,000.00	4,000.00	11,325.00
9231	264	CEMENT SERVICES	21,460.00	6,000.00	12,000.00	9,460.00
9231	310	PRODUCTION TESTING SERVICES	16,000.00	3,887.00	6,232.00	9,768.00

Total

Report Start Date 1/15/2023	AFE+Supp Amt (Cost) 673,834	Daily Field Est Total (Cost) 31,593	Cum Field Est To Date (Cost) 252,110	AFE - Field Est (Cost) 125,456.98
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Responsible Superintendent

Contact Name	Mobile	Email
Corey Thomson	403-660-7170	Corey.Thomson@paramountres.com

Responsible Engineer / Production Tech

Contact Name	Mobile	Email
Corey Thomson	403-660-7170	Corey.Thomson@paramountres.com

Wellsite Supervisor

Job Contact	Mobile	Email
Corey Thomson, Office Engineer	403-660-7170	Corey.Thomson@paramountres.com
Dusty Schneider, Wellsite Supervisor	780-897-5737	justinlinkschneider@gmail.com

Contractor Hours (Enter the Total Hours worked by ALL on-site that day) Reg Work Time should = Tot Work Time

Company	Type	Reg Work Time (hr)	Tot Work Time (hr)

Hazard IDs: Enter today's date, Card Type = Hazard ID and the total # of hazard IDs for the day

Date Report Submitted	Card Type	# Rpts

Weather & Road Condition

Weather	T (°C)	Road Cond
Overcast	-18	Fair

Attachments

Des	Type	Subtype



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/16/2023
Report #: 3
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 65,453
Cum Cost to Date: 317,563

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857	
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical	
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)	Total Depth (mKB) 694.00		PBTD (All) (mKB)		

Casing Strings

Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	3/15/1999	504.00	6.90	497.10	339.7	320.3	81.105	K-55	
Production	3/25/1999	694.00	6.90	687.10	244.5	222.5	64.735	L-80	

Zones / Event Sequence

Zone Name	Zone Code	Current Status
Chinkeh	/1	

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	Start Date 1/12/2023	End Date	Rig Name Precision Well Servicing 830
AFE Number 20AB0218	Total AFE + Supp Amount (Cost) 673,833.98	Working Interest (%) 50.00		Total Field Estimate (Cost) 548,377.00

Job Dates

Job Complete	Date	Type	Note

Daily Pressures

Type	Subtype	P (kPa)	String
Casing	SICP	0	Production, 694.00mKB
Tubing	SITP	0	Tubing - Workstring set at 679.97mKB on 3/11/1999 00:01

Operation Summary

Operations Summary

HSE Summary:

No incident, accidents, or spills. Qwest Air medi-vac # QW410.

Operations Summary:

- Supervisor inspect site prior to start of operations. No signs of hydrocarbon staining on site. No signs of LEL or H2S at wellhead. Grating around wellhead.
- Travel PWS # 830, doghouse, rig pump, 30 m³ rig tank, (1) 63 m³ tank, (1) 100 HP boiler, 19 m flare stack, communications tower, rig matting, 279 mm BOP, 279 mm BOP Accumulator building, 279 mm BOP Generator building, and (2) offices to site.
- Construction assist in level snow around well centre. Remove grating around well centre. Pickup debris from around well centre. Fill in well centre with dirt.
- Spot on site as per spacing requirements rig matting (1) insulated 63 m³ tank, (1) 19 m flare stack, and bathroom. Spot PWS Rig # 830 on matting at wellhead. Waiting for available trucks to move remaining equipment to site on 17-Jan-2023

NOTE OROGO representatives on site for inspection.

- 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.
- Confirm the surface casing vent is open into wellhead. Perform 30 minute surface casing vent bubble test. No bubbles observe
- Install Annular Bag onto BOP. Run accumulator lines to BOP. Setup remote control stand.
- Setup StarLink Communications. Rig in boiler and lines to wellhead and 63 m³ tank. Haul in 60 m³ Non-saline (fresh) water and put in 63 m³ tank.
- Night boiler hand to heat wellhead and tank for night.
- End report for day.

Operations Next Report Period

Function test BOP's. Pressure test tubing and casing to 7.0 MPa. Stump test 34.5 MPa x Class III - 279 mm BOP's. Install BOP's and working floor. Release tubing string from packer.

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 well.
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	10:30	3.00	10.50	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. Grating around wellhead.

Travel PWS # 830, doghouse, rig pump, 30 m³ rig tank, (1) 63 m³ tank, (1) 100 HP boiler, 19 m flare stack, communications tower, rig matting, 279 mm BOP, 279 mm BOP Accumulator building, 279 mm BOP Generator building, and (2) offices to site.

Waiting for available trucks to move remaining equipment to site on 17-Jan-2023



Daily ARO Report

Well: Paramount Berkley Arrowhead C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/16/2023
Report #: 3
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 65,453
Cum Cost to Date: 317,563

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)	Tubing Head Elevation (m)	Well Configuration Type Vertical	
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)		Total Depth (mKB) 694.00	PBTD (All) (mKB)	

24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
10:30	12:00	1.50	12.00	RU/RD	PP		Spot on site as per spacing requirements rig matting (1) insulated 63 m ³ tank, (1) 19 m flare stack, and bathroom. Spot PWS Rig # 830 on matting at wellhead. **NOTE** OROGO representatives on site for inspection of equipment and safety certificates.
12:00	18:30	6.50	18.50	RU/RD	PP		Rig up PWS # 830 and support equipment as per contractor, governemnt and PRL policies and procedures. perform on going CAODC inspection as rig in equipment. Confirm the surface casing vent is open into wellhead. Perform 30 minute surface casing vent bubble test. No bubbles observe Install Annular Bag onto BOP. Run accumulator lines to BOP. Setup remote control stand. Setup StarLink Communications. Rig in boiler and lines to wellhead and 63 m ³ tank. Haul in 60 m ³ Non-saline (fresh) water and put in 63 m ³ tank.
18:30	19:00	0.50	19.00	SDFN	PP		Winterize clean and secure wellhead and equipment. 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.

6:00 Update

Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	07:00	7.00		PP		Night boiler hand to boiler and heat wellhead and tank for night. Wait on daylight for rig operations.

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Sand Fill (Permanent)	Yellow Square	224.0	655.70	672.50	
Bridge Plug - Permanent	Black X	224.0	578.00	578.20	1/18/2023 10:44
Charger Thermal 40 + 1% CaCL2 Cement	Grey Square	224.0	558.00	578.00	1/18/2023 19:00
non-saline (fresh) water	Blue Square	224.0	54.00	558.00	1/19/2023 12:00
Steel Plate	Red Square	224.0	10.00	10.06	1/25/2023 13:00
Glacier (dirt) Tile	Orange Square	244.5	0.00	10.00	1/25/2023 13:00
Glacier (dirt) Tile	Brown Square	339.7	0.00	10.00	1/25/2023 13:00

Daily Cost

Code 2	Code 3	Cost Des	AFE+Supp Amt (Cost)	Rpt Fld Est (Cost)	Cum Fld Est (Cost)	Cum Var (Cost)
9231	203	SERVICE RIG & SWAB RIG DAYWORK	74,196.00	18,753.00	37,353.00	36,843.00
9231	210	CAMP & CATERING	77,475.00	7,500.00	111,000.00	-33,525.00
9231	216	COMMUNICATIONS & EQUIPMENT	7,350.00	3,178.00	4,034.00	3,316.00
9231	220	COMPLETIONS FLUIDS, HAULING & PURCHASES	20,500.00	5,257.00	5,257.00	15,243.00
9231	225	FIELD SUPERVISION	14,100.00	1,465.00	2,930.00	11,170.00
9231	230	MEDICAL, SAFETY, SECURITY SRVC & EQUIPMNT	11,450.00	815.00	1,328.00	10,122.00
9231	240	EQUIPMENT RENTALS	30,000.00	17,225.00	18,225.00	11,775.00
9231	260	LOGGING, CONDUCTOR WIRELINE, PERFORATING	15,325.00	2,000.00	6,000.00	9,325.00
9231	264	CEMENT SERVICES	21,460.00	6,000.00	18,000.00	3,460.00
9231	310	PRODUCTION TESTING SERVICES	16,000.00	3,260.00	9,492.00	6,508.00

Total

Report Start Date 1/16/2023	AFE+Supp Amt (Cost) 673,834	Daily Field Est Total (Cost) 65,453	Cum Field Est To Date (Cost) 317,563	AFE - Field Est (Cost) 125,456.98
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Responsible Superintendent

Contact Name	Mobile	Email



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/16/2023
Report #: 3
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 65,453
Cum Cost to Date: 317,563

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)		Total Depth (mKB) 694.00	PBTD (All) (mKB)	

Responsible Engineer / Production Tech

Contact Name	Mobile	Email
Corey Thomson	403-660-7170	Corey.Thomson@paramountres.com

Wellsite Supervisor

Job Contact	Mobile	Email
Corey Thomson, Office Engineer	403-660-7170	Corey.Thomson@paramountres.com
Dusty Schneider, Wellsite Supervisor	780-897-5737	justinlinkschneider@gmail.com

Contractor Hours (Enter the Total Hours worked by ALL on-site that day) Reg Work Time should = Tot Work Time

Company	Type	Reg Work Time (hr)	Tot Work Time (hr)

Hazard IDs: Enter today's date, Card Type = Hazard ID and the total # of hazard IDs for the day

Date Report Submitted	Card Type	# Rpts
1/16/2023	Hazard ID	1

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	60.00	0.00	60.00				

Weather & Road Condition

Weather	T (°C)	Road Cond
Overcast	-18	Fair

Attachments

Des	Type	Subtype



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/17/2023
Report #: 4
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 53,409
Cum Cost to Date: 370,972

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)	Tubing Head Elevation (m)	Well Configuration Type Vertical	
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)	Total Depth (mKB) 694.00	PBTD (All) (mKB)		

Casing Strings

Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	3/15/1999	504.00	6.90	497.10	339.7	320.3	81.105	K-55	
Production	3/25/1999	694.00	6.90	687.10	244.5	222.5	64.735	L-80	

Zones / Event Sequence

Zone Name	Zone Code	Current Status
Chinkeh	/1	

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	Start Date 1/12/2023	End Date	Rig Name Precision Well Servicing 830
AFE Number 20AB0218	Total AFE + Supp Amount (Cost) 673,833.98	Working Interest (%) 50.00	Total Field Estimate (Cost) 548,377.00

Job Dates

Job Complete	Date	Type	Note

Daily Pressures

Type	Subtype	P (kPa)	String
Casing	SICP	0	Production, 694.00mKB
Tubing	SITP	0	Tubing set at 578.68mKB on 3/11/1999 00:03

Operation Summary

Operations Summary

HSE Summary:

No incident, accidents, or spills. Qwest Air medi-vac # QW410.

Operations Summary:

- Stump function BOP's. Start pressure 21 MPa. Close blind rams 9 secs. Close pipe rams in 7 secs . Close Annular 43 secs. End pressure 11 Mpa. Recharge system in 3:39 minutes.
- 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.
- Remove 179.4 mm upper wellhead assembly with Dual 89 mm x 34.5 MPa Master Valves from 179.4 mm x 279 mm Tubing Head. Tubing hanger inside 179 mm tubing head. Extra time to remove rusty bolts.
- Install pup joint with 34.5 MPa TIW Valve into 73 mm tubing hanger. Strip on wellhead 179 mm x 279 mm DSA and 279 mm x 34.5 MPa Class III BOP. Rig in work, floor, heater and tubing handling equipment
- Test tubing rams and DSA / BOP wellhead connection to 1.4 MPa (low) and 21 MPa (high). Held each test 10 min.
- Pressure 73 mm tubing and tubing plug to 1.4 MPa (low) and 21 MPa (high). Held each test 10 minutes. Pump 1 m³ fresh water to test and fill.
- Test annulus and Baker A-3 Packer 1.4 MPa (low) and 21 MPa (high). Held each test 10 minutes. Annulus was full fluid.
- Release tubing string from Baker A-3 Loc Set Packer. Recover 1.0 m³ fresh water with diesel staining from tubing.
- Held BOP drill.
- Pull (60) Joints Tubing 73 mm L-80 9.67 kg/m. Land tubing hanger with (1) Pup Joint 73 mm 3.1 m L-80, (1) centralizer 213 mm and (1) Baker On/Off
- Rig back floor and tarps. Remove 279 mm 34.5 MPa Class II BOP. Remove 179 mm x 279 mm 34.5 MPa Tubing Head with tubing hanger, pup joint, centralizer and on/off tool.
- Install 279 mm x 34.5 MPa Class II BOP on wellhead.
- Pressure test wellhead connection 1.4 MPa (low) and 21 MPa (high). Held each 10 min.
- Winterize equipment. Secure and tarp in BOP. SDFN rig crew.
- Night boiler hand maintain heat on wellhead and fluid.
- End report for day.

Operations Next Report Period

Rig in work floor. Eline run 215 mm Gauge Ring to 578 mKB. Eline run and set Perm Bridge Plug close as practical to packer at 578 mKB. Pressure test casing 7 MPa.

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	WOD	PP		Night boiler hand to boiler and heat wellhead and tank for night. Wait on daylight for rig operations.



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/17/2023
Report #: 4
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 53,409
Cum Cost to Date: 370,972

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)		Total Depth (mKB) 694.00	PBTD (All) (mKB)	

24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
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 installing BOP and tripping tubing operations. Qwest Air medi-vac # QW410.
07:30	10:00	2.50	10.00	BOPS	PP		Warm up 34.5 MPa - Class III BOP stack. Charge system. Shut off pump. Stump function BOP's. Start pressure 21 MPa. Close blind rams in 9 secs (17 MPa). Close pipe rams in 7 secs (15.2 MPa). Close Annular 43 secs (11 MPa). Start system and recharge to 21 MPa in 3:39 minutes. Stump pressure test blind rams and tubing rams to 1.4 MPa (low) and 21 MPa (high). Held each test 10 minutes. No leaks. Test Annular Bag to 1.4 MPa (low) and 10 MPa (high). Held each test 10 minutes. No leaks.
10:00	11:00	1.00	11.00	NU/ND WH/XT	PP		Remove 179.4 mm upper wellhead assembly with Dual 89 mm x 34.5 MPa Master Valves from 179.4 mm x 279 mm Tubing Head. Tubing hanger inside 179 mm tubing head. **NOTE** Extra time to remove rusty bolts.
11:00	13:00	2.00	13.00	BOPS	PP		Install pup joint with 34.5 MPa TIW Valve into 73 mm tubing hanger. Strip on wellhead 179 mm x 279 mm DSA and 279 mm x 34.5 MPa Class III BOP. Rig in work, floor, heater and tubing handling equipment
13:00	13:30	0.50	13.50	BOPS	PP		Pressure test tubing rams and DSA / BOP wellhead connection to 1.4 MPa (low) and 21 MPa (high). held each test 10 minutes. No leak off.
13:30	14:30	1.00	14.50	PRESS	PP		Pressure 73 mm tubing and tubing plug to 1.4 MPa (low) and 21 MPa (high). Held each test 10 minutes. Pump 1 m ³ fresh water to test and fill. Pressure test annulus and Baker A-3 Packer 1.4 MPa (low) and 21 MPa (high). Held each test 10 minutes. Annulus was full fluid.
14:30	15:00	0.50	15.00	BLEED	PP		Pickup and rotate release tubing string from Baker A-3 Loc Set Packer. Allow wellbore to equalize. Recover 1.0 m ³ fresh water with diesel staining from tubing.
15:00	15:45	0.75	15.75	POOH	PP		Pull and stand (60) Joints Tubing 73 mm L-80 9.67 kg/m. Land tubing hanger with (1) Pup Joint 73 mm 3.1 m L-80, (1) centralizer 213 mm and (1) Baker On/Off
15:45	17:45	2.00	17.75	BOPS	PP		Rig back floor and tarps. Remove 279 mm 34.5 MPa Class II BOP. Remove 179 mm x 279 mm 34.5 MPa Tubng Head with tubing hanger, pup joint, centralizer and on/off tool. Install 279 mm x 34.5 MPa Class II BOP on wellhead. - Pressure test wellhead connection 1.4 MPa (low) and 21 MPa (high). Held each 10 nminutes. - Winterize equipment. Secure and tarp in wellhead
17:45	18:30	0.75	18.50	BOPS	PP		Pressure test BOP wellhead connection 1.4 MPa (low) and 21 MPa (high) against Baker A-3 Loc Set Packer. Held each 10 nminutes.
18:30	19:00	0.50	19.00	SDFN	PP		Winterize equipment. Secure and tarp in 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.

6:00 Update

Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	07:00	7.00		PP		Night boiler hand to boiler and heat wellhead and tank for night. Wait on daylight for rig operations.

Tubing String Pulled

Tubing Description Tubing	Set Depth (mKB) 578.68	Pull Date 1/17/2023	Pull Reason Pulled for suspension/ abandonment.
Item Des	Jts	Len (m)	OD (mm)
Tubing Hanger	1	0.24	179.4
Tubing Pup Joint	1	0.67	73.0
Tubing	60	573.87	73.0
Tubing Pup Joint	1	3.10	73.0
Centralizer	1	0.30	213.0
On-Off Tool	1	0.50	114.0
			Com
Tubing Hanger	1	0.24	Tubing Hanger
Tubing Pup Joint	1	0.67	Pup Joint
Tubing	60	573.87	Joints Tubing
Tubing Pup Joint	1	3.10	Pup Joint
Centralizer	1	0.30	213 mm Centralizer
On-Off Tool	1	0.50	Baker On/Off Tool.



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/17/2023
Report #: 4
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 53,409
Cum Cost to Date: 370,972

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)	Total Depth (mKB) 694.00		PBTD (All) (mKB)	

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Sand Fill (Permanent)		224.0	655.70	672.50	
Bridge Plug - Permanent		224.0	578.00	578.20	1/18/2023 10:44
Charger Thermal 40 + 1% CaCl2 Cement		224.0	558.00	578.00	1/18/2023 19:00
non-saline (fresh) water		224.0	54.00	558.00	1/19/2023 12:00
Steel Plate		224.0	10.00	10.06	1/25/2023 13:00
Glacier (dirt) Tile		244.5	0.00	10.00	1/25/2023 13:00
Glacier (dirt) Tile		339.7	0.00	10.00	1/25/2023 13:00

Daily Cost

Code 2	Code 3	Cost Des	AFE+Supp Amt (Cost)	Rpt Fld Est (Cost)	Cum Fld Est (Cost)	Cum Var (Cost)
9231	203	SERVICE RIG & SWAB RIG DAYWORK	74,196.00	19,716.00	57,069.00	17,127.00
9231	210	CAMP & CATERING	77,475.00	7,500.00	118,500.00	-41,025.00
9231	216	COMMUNICATIONS & EQUIPMENT	7,350.00	428.00	4,462.00	2,888.00
9231	225	FIELD SUPERVISION	14,100.00	1,465.00	4,395.00	9,705.00
9231	230	MEDICAL, SAFETY, SECURITY SRVC & EQUIPMT	11,450.00	815.00	2,143.00	9,307.00
9231	240	EQUIPMENT RENTALS	30,000.00	14,225.00	32,450.00	-2,450.00
9231	264	CEMENT SERVICES	21,460.00	6,000.00	24,000.00	-2,540.00
9231	310	PRODUCTION TESTING SERVICES	16,000.00	3,260.00	12,752.00	3,248.00

Total

Report Start Date 1/17/2023	AFE+Supp Amt (Cost) 673,834	Daily Field Est Total (Cost) 53,409	Cum Field Est To Date (Cost) 370,972	AFE - Field Est (Cost) 125,456.98
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Responsible Superintendent

Contact Name	Mobile	Email

Responsible Engineer / Production Tech

Contact Name	Mobile	Email
Corey Thomson	403-660-7170	Corey.Thomson@paramountres.com

Wellsite Supervisor

Job Contact	Mobile	Email
Corey Thomson, Office Engineer	403-660-7170	Corey.Thomson@paramountres.com
Dusty Schneider, Wellsite Supervisor	780-897-5737	justinlinkschneider@gmail.com

Contractor Hours (Enter the Total Hours worked by ALL on-site that day) Reg Work Time should = Tot Work Time

Company	Type	Reg Work Time (hr)	Tot Work Time (hr)

Hazard IDs: Enter today's date, Card Type = Hazard ID and the total # of hazard IDs for the day

Date Report Submitted 1/17/2023	Card Type Hazard ID	# Rpts 1
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Flaring Volumes

Type	Subtype	Des	Amount	Units
		No Gas Flared		

Report Fluids Summary

Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)
Fresh Water	60.00	0.00	60.00				

Weather & Road Condition

Weather	T (°C)	Road Cond
Overcast	-18	Fair

Attachments

Des	Type	Subtype



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/18/2023
Report #: 5
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 81,365
Cum Cost to Date: 452,337

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)	Tubing Head Elevation (m)	Well Configuration Type Vertical	
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)		Total Depth (mKB) 694.00	PBTD (All) (mKB)	

Casing Strings

Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	3/15/1999	504.00	6.90	497.10	339.7	320.3	81.105	K-55	
Production	3/25/1999	694.00	6.90	687.10	244.5	222.5	64.735	L-80	

Zones / Event Sequence

Zone Name	Zone Code	Current Status
Chinkeh	/1	

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	Start Date 1/12/2023	End Date	Rig Name Precision Well Servicing 830
AFE Number 20AB0218	Total AFE + Supp Amount (Cost) 673,833.98	Working Interest (%) 50.00	Total Field Estimate (Cost) 548,377.00	

Job Dates

Job Complete	Date	Type	Note

Daily Pressures

Type	Subtype	P (kPa)	String
Casing	SICP	0	Production, 694.00mKB
Tubing	SITP	0	Tubing set at 605.98mKB on 3/11/1999 00:04

Operation Summary

Operations Summary

HSE Summary:

No incident, accidents, or spills. Qwest Air medi-vac # QW410.

Operations Summary:

- Night boiler hand to maintain heat on wellhead and fluids.
- Rig in working floor, V-door, stairways and tarps.
- Rig in eline unit. Run in hole CCL / 218 mm Junk Basket - Gauge Ring. Tag packer 578.6 mKB. Pull out hole CCL / Junk Basket - Gauge Ring. Secure onsite communications. Run in CCL / KAPPA - 8K - 244.5 mm Permanent Bridge Plug. Correlate on depth to previous CCL / Junk Basket Gauge Ring run. Set KAPPA - 8K - 244.5 mm PBP at 578 mKB (top) x 10:44 hrs. Pull CCL / setting tool. Rig down eline.
- Pressure test casing - Permanent Bridge Plug at 578 mKB to 7108 KPa. Held 15 minutes. Pressure end 7075 KPa. Good test.
- Run in (2) Pup Joints 73 mm x 3.1 m and (60) Joints Tubing 73 mm.
- Tag PBP 578 mKB. Tubing bottom 577.7 mKB. Reverse circulate 25.0 m³ non-saline (fresh) water x 600 L/min x 2.5 MPa. Last returns salinity of 0 ppm.
- Displaced entire wellbore to non-saline (fresh) water.
- Wait on cement units.
- Rig in Cement Unit. Test pump line 14.0 MPa. Held 5 minutes. Mix and pump 1.0 m³ Charger Thermal 40 + 1% CaCl₂ x 1800 kg/m³ cement slurry. Pump rate 300 L/min x 3 MPa. Displace behind cement slurry 1.4 m³ non-saline (fresh) water 25°C. Maintain 3.0 MPa back pressure. Circulated and balance cement plug from 553 mKB to 578 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 521 mKB.
- Rig in circulation lines. Reverse circulate 4 m³ (total) - 25° non-saline (fresh) water at 500 L/min x 3.0 MPa. Returns show salinity 0 ppm. End returns are clean non-saline (fresh) water. Entire hole displaced to non-saline (fresh) water.
- Pull and lay down (2) Joints Tubing 73 mm L-80. Tubing bottom 503 mKB.
- Winterize and secure equipment and site.
- SDFN rig crew.
- Boiler hand to maintain heat on fluid and equipment.
- End report for day.

Operations Next Report Period

Tag cement top. Pressure test casing to 7 MPa. Pull and stand 500 m x 73 mm L-80 tubing in derrick. Pull and lay down remaining tubing string. Run in bow plugged 73 mm tubing string to 500 mKB to displace fresh water from wellbore. Pull and lay down 73 mm tubing string.

Operation at 6am
Wait on daylight.

24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	07:00	7.00	7.00	WOD	PP		Night boiler hand to boiler and heat wellhead and tank for night. Wait on daylight for rig operations.



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/18/2023
Report #: 5
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 81,365
Cum Cost to Date: 452,337

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)		Total Depth (mKB) 694.00	PBTD (All) (mKB)	

24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
07:00	07:30	0.50	7.50	Safety Mtg	PP		Discuss job scope and program Review contractor JSA, and Emergency Transportation Plan. Inspect work site for potential hazards. Review contractor JSA for eline operations, cementing, circulating and tripping tubing operations. Qwest Air medi-vac # QW410. Secure onsite communications.
07:30	08:30	1.00	8.50	RU/RD	PP		Rig in working floor, V-door, stairways and tarps.
08:30	11:00	2.50	11.00	ELECL	PP		Rig in eline unit. Perform eline operations as: - Run in hole CCL / Junk Basket - 218 mm Gauge Ring. Tag packer 578.6 mKB. - Pull out hole CCL / Junk Basket - 218 mm Gauge Ring. - Run in CCL / KAPPA - 8K - 244.5 mm Permanent Bridge Plug. Correlate on depth to previous CCL / Junk Basket Gauge Ring run. Collar depths 554.5 mKB - Set KAPPA - 8K - 244.5 mm PBP at 578 mKB (top) x 10:44 hrs. - Pull CCL / setting tool. - Rig down and release eline unit
11:00	11:30	0.50	11.50	PRESS	PP		Pressure test casing - Permanent Bridge Plug at 578 mKB to 7108 KPa. Held 15 minutes. Pressure end 7075 KPa. Good test. Bleed off pressure.
11:30	12:15	0.75	12.25	RIHPOOH	PP		Tally and run in (2) Pup Joints 73 mm x 3.1 m and (60) Joints Tubing.
12:15	13:00	0.75	13.00	BULLCIR	PP		Tubing tag 8K Permanent Bridge Plug at 578 mKB. Position tubing bottom 577.7 mKB. Reverse circulate 25.0 m³ non-saline (fresh) water x 600 L/min x 2.5 MPa. After return 5 m³ fluid from tubing. Test salinity of 38,000 ppm. Last returns show salinity of 0 ppm. Returns are clean and clear debris. NOTE "Displaced entire hole to non-saline (fresh) water"
13:00	18:00	5.00	18.00	WOE	PP		Wait for cement units to arrive on site.
18:00	18:30	0.50	18.50	Cmt	PP		Rig in Cement Unit. Test pump line 14.0 MPa. Held 5 minutes. Mix and pump 1.0 m³ Charger Thermal 40 + 1% CaCL2 at 1800 kg/m³ cement slurry. Slurry Yield 0.830 m³/t. Work time 1.5 hrs. Set time 3.0 hrs. Fluid Loss 35 cc/30 min. Pump rate 300 L/min x 3 MPa. Displace behind cement slurry 1.4 m³ non-saline (fresh) water 25°C. Maintain 3.0 MPa back pressure. Circulated and balance cement plug from 553 mKB to 578 mKB. No signs activity from SCVF. Rig down pump line. Clean and release cement units.
18:30	18:45	0.25	18.75	POOH	PP		Slowly pull and stand (6) Joints Tubing 73 mm L-80 6.99 kg/m. Position tubing bottom 521 mKB.
18:45	19:15	0.50	19.25	Circulating	PP		Rig in circulation lines. Reverse circulate 4 m³ (total) - 25° non-saline (fresh) water at 500 L/min x 3.0 MPa. Returns show salinity 0 ppm. Returns at end are clean non-saline (fresh) water. "NOTE:" Entire hole is displaced to non-saline (fresh) water.
19:15	19:30	0.25	19.50	POOH	PP		Pull and lay down (2) Joints Tubing 73 mm L-80. Tubing bottom 503 mKB.
19:30	20:00	0.50	20.00	SDFN	PP		Winterize and secure equipment and site. SDFN rig crew.
20:00	00:00	4.00	24.00	WOD	PP		Boiler hand to maintain heat on fluid and equipment. End report for day.

6:00 Update

Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	07:00	7.00		PP		Night boiler hand to boiler and heat wellhead and tank for night. Wait on daylight for rig operations.

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Sand Fill (Permanent)		224.0	655.70	672.50	
Bridge Plug - Permanent		224.0	578.00	578.20	1/18/2023 10:44
Charger Thermal 40 + 1% CaCL2 Cement		224.0	558.00	578.00	1/18/2023 19:00
non-saline (fresh) water		224.0	54.00	558.00	1/19/2023 12:00
Steel Plate		224.0	10.00	10.06	1/25/2023 13:00
Glacier (dirt) Tile		244.5	0.00	10.00	1/25/2023 13:00



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/18/2023
Report #: 5
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 81,365
Cum Cost to Date: 452,337

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)	Total Depth (mKB) 694.00		PBTD (All) (mKB)	

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Glacier (dirt) Tile		339.7	0.00	10.00	1/25/2023 13:00

Daily Cost

Code 2	Code 3	Cost Des	AFE+Supp Amt (Cost)	Rpt Fld Est (Cost)	Cum Fld Est (Cost)	Cum Var (Cost)
9231	203	SERVICE RIG & SWAB RIG DAYWORK	74,196.00	20,186.00	77,255.00	-3,059.00
9231	210	CAMP & CATERING	77,475.00	7,500.00	126,000.00	-48,525.00
9231	214	FUEL	4,750.00	6,408.00	10,352.00	-5,602.00
9231	216	COMMUNICATIONS & EQUIPMENT	7,350.00	428.00	4,890.00	2,460.00
9231	225	FIELD SUPERVISION	14,100.00	1,465.00	5,860.00	8,240.00
9231	230	MEDICAL, SAFETY, SECURITY SRVC & EQUIPMNT	11,450.00	815.00	2,958.00	8,492.00
9231	240	EQUIPMENT RENTALS	30,000.00	9,411.00	41,861.00	-11,861.00
9231	244	ABANDONMENT & PLUG BACKS	0.00	4,380.00	4,380.00	-4,380.00
9231	260	LOGGING, CONDUCTOR WIRELINE, PERFORATING	15,325.00	8,886.00	14,886.00	439.00
9231	264	CEMENT SERVICES	21,460.00	18,626.00	42,626.00	-21,166.00
9231	310	PRODUCTION TESTING SERVICES	16,000.00	3,260.00	16,012.00	-12.00

Total

Report Start Date 1/18/2023	AFE+Supp Amt (Cost) 673,834	Daily Field Est Total (Cost) 81,365	Cum Field Est To Date (Cost) 452,337	AFE - Field Est (Cost) 125,456.98
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Responsible Superintendent

Contact Name	Mobile	Email

Responsible Engineer / Production Tech

Contact Name	Mobile	Email
Corey Thomson	403-660-7170	Corey.Thomson@paramountres.com

Wellsite Supervisor

Job Contact	Mobile	Email
Corey Thomson, Office Engineer	403-660-7170	Corey.Thomson@paramountres.com
Dusty Schneider, Wellsite Supervisor	780-897-5737	justinlinkschneider@gmail.com

Contractor Hours (Enter the Total Hours worked by ALL on-site that day) Reg Work Time should = Tot Work Time

Company	Type	Reg Work Time (hr)	Tot Work Time (hr)

Hazard IDs: Enter today's date, Card Type = Hazard ID and the total # of hazard IDs for the day

Date Report Submitted	Card Type	# Rpts

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	60.00	0.00	40.00	20.00	0.00	20.00	
Produced Water			20.00	0.00	20.00	-20.00	

Weather & Road Condition

Weather	T (°C)	Road Cond
Overcast	-12	Fair

Attachments

Des	Type	Subtype



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/19/2023
Report #: 6
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 41,151
Cum Cost to Date: 493,488

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)	Tubing Head Elevation (m)	Well Configuration Type Vertical	
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)	Total Depth (mKB) 694.00	PBTD (All) (mKB)		

Casing Strings

Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	3/15/1999	504.00	6.90	497.10	339.7	320.3	81.105	K-55	
Production	3/25/1999	694.00	6.90	687.10	244.5	222.5	64.735	L-80	

Zones / Event Sequence

Zone Name	Zone Code	Current Status
Chinkeh	/1	

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	Start Date 1/12/2023	End Date	Rig Name Precision Well Servicing 830
AFE Number 20AB0218	Total AFE + Supp Amount (Cost) 673,833.98	Working Interest (%) 50.00	Total Field Estimate (Cost) 548,377.00

Job Dates

Job Complete	Date	Type	Note

Daily Pressures

Type	Subtype	P (kPa)	String
Casing	SICP	0	Production, 694.00mKB
Tubing	SITP	0	Tubing set at 605.98mKB on 3/11/1999 00:04

Operation Summary

Operations Summary

HSE Summary:

No incident, accidents, or spills. Qwest Air medi-vac # QW410.

Operations Summary:

- Night boiler hand to maintain heat on wellhead and fluids.
- Pickup and run in (6) Joints Tubing 73 mm L-80. Tag (hard) cement top at 558 mKB with 3000 daN weight. Pickup tubing to 557 mKB.
- Pressure test casing and cement plug to 7083 KPa. Held for 10 minutes. Pressure drop to 7019 KPa. Good test.
- Reverse circulate wellbore at 500 L/min x 2.0 MPa with 21 m³ non-saline (fresh) water. Returns at start, middle and end are non-saline (fresh) water. Displaced entire wellbore to non-saline (fresh) water.
- Pull and lay down (6) Joints Tubing 73 mm L-80
- Pull and stand in derrick (52) Joints Tubing 73 mm L-80
- Run in Bow Plug 73mm and (52) Joints Tubing 73 mm L-80 to 503 mKB. Displace from wellbore 1.51 m³ non-saline (fresh) water.
- Pull and laydown (52) Joints Tubing 73 mm L-80 and (1) Bow Plug 73 mm

NOTE Estimated fluid level 54 mKB.

- Rig down 5 MPa x 12 m³ test vessel, main line, flare line and 19 m flare stack. Rig down working floor and tubing handling equipment. Split from BOP and lay down 279 mm Annular Bag. Remove 279 mm 34.5 MPa BOP.
- Install 179 mm x 279 mm Tubing Head. Install Upper Wellhead Dual 88.9 mm Dual Master Valve assembly.
- Plug, clean and chain secure wellhead. remove handles from any valve not chained.
- Rig down rental accumulator lines, generator and accumulator building. Rig down pump line, return line and steam lines. Haul (38) m³ work fluids off site. Rig down PWS 830 and support equipment.
- Rig parked on location waiting for construction to complete freezing in of 300/B-41-6040-12245/0
- Clean and secure location.
- SDFN.

Operations Next Report Period

Rig parked on location waiting for construction to complete freezing in of 300/B-41-6040-12245/0

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	WOD	PP		Night boiler hand to boiler and heat wellhead and tank for night. Wait on daylight for rig operations.
07:00	07:30	0.50	7.50	Safety Mtg	PP		Discuss job scope and program Review contractor JSA, and Emergency Transportation Plan. Inspect work site for potential hazards. Review contractor JSA for pressure testing, tripping tubing and rig down operations. Qwest Air medi-vac # QW410. Secure onsite communications.
07:30	08:00	0.50	8.00	TAG	PP		Pickup and run in (6) Joints Tubing 73 mm L-80. Tag (hard) cement top at 558 mKB with 3000 daN weight. Pickup tubing to 557 mKB.



Daily ARO Report

Well: Paramount Berkley Arrowhead C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/19/2023
Report #: 6
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 41,151
Cum Cost to Date: 493,488

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)		Total Depth (mKB) 694.00	PBTD (All) (mKB)	

24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
08:00	08:30	0.50	8.50	PRESS	PP		Pressure test casing and cement plug to 7083 KPa. Held for 10 minutes. Pressure drop to 7019 KPa. Good test.
08:30	09:30	1.00	9.50	Circulating	PP		Reverse circulate wellbore at 500 L/min x 2.0 MPa with 21 m ³ non-saline (fresh) water. Returns at start, middle and end are non-saline (fresh) water. "NOTE" : Displaced entire wellbore to non-saline (fresh) water.
09:30	10:15	0.75	10.25	POOH	PP		Pull and lay down (6) Joints Tubing 73 mm L-80
							Pull and stand in derrick (52) Joints Tubing 73 mm L-80
10:15	11:00	0.75	11.00	RIH	PP		Run in Bow Plug 73mm and (54) Joints Tubing 73 mm L-80 to 503 mKB. Displace from wellbore 1.51 m ³ non-saline (fresh) water.
11:00	12:00	1.00	12.00	POOH	PP		Pull and laydown (52) Joints Tubing 73 mm L-80 and (1) Bow Plug 73 mm.
							NOTE Estimated fluid level 54 mKB.
12:00	13:30	1.50	13.50	BOPS	PP		Rig down 5 MPa x 12 m ³ test vessel, main line, flare line and 19 m flare stack. Rig down working floor and tubing handling equipment. Split from BOP and lay down 279 mm Annular Bag. Remove 279 mm 34.5 MPa BOP.
13:30	15:00	1.50	15.00	NU/ND WH/XT	PP		. Install 179 mm x 279 mm Tubing Head. Install Upper Wellhead Dual 88.9 mm Dual Master Valve assembly.
							Plug, clean and chain secure wellhead. remove handles from any valve not chained.
15:00	18:30	3.50	18.50	RU/RD	PP		Rig down rental accumulator lines, generator and accumulator building. Rig down pump line, return line and steam lines. Haul (38) m ³ work fluids off site. Rig down PWS 830 and support equipment.
							Rig parked on location waiting for construction to complete freezing in of 300/B-41-6040-12245/0
18:30	19:00	0.50	19.00	SDFN	PP		Clean and secure location. Bank boiler for night.
19:00	00:00	5.00	24.00	WOD	PP		SDFN.
							Wait on day light.

6:00 Update

Start Time	End Time	Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	07:00	7.00		PP		Night boiler hand to boiler and heat wellhead and tank for night. Wait on daylight for rig operations.

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Sand Fill (Permanent)		224.0	655.70	672.50	
non-saline (fresh) water		224.0	54.00	558.00	1/19/2023 12:00
Steel Plate		224.0	10.00	10.06	1/25/2023 13:00
Glacier (dirt) Tile		244.5	0.00	10.00	1/25/2023 13:00
Glacier (dirt) Tile		339.7	0.00	10.00	1/25/2023 13:00

Daily Cost

Code 2	Code 3	Cost Des	AFE+Supp Amt (Cost)	Rpt Fld Est (Cost)	Cum Fld Est (Cost)	Cum Var (Cost)
9231	203	SERVICE RIG & SWAB RIG DAYWORK	74,196.00	18,961.00	96,216.00	-22,020.00
9231	210	CAMP & CATERING	77,475.00	7,500.00	133,500.00	-56,025.00
9231	216	COMMUNICATIONS & EQUIPMENT	7,350.00	428.00	5,318.00	2,032.00
9231	221	COMPLETIONS FLUIDS / SOLIDS DISPOSAL	19,700.00	5,617.00	5,617.00	14,083.00
9231	225	FIELD SUPERVISION	14,100.00	1,465.00	7,325.00	6,775.00
9231	230	MEDICAL, SAFETY, SECURITY SRVC & EQUIPMNT	11,450.00	815.00	3,773.00	7,677.00
9231	240	EQUIPMENT RENTALS	30,000.00	3,105.00	44,966.00	-14,966.00
9231	310	PRODUCTION TESTING SERVICES	16,000.00	3,260.00	19,272.00	-3,272.00

Total

Report Start Date 1/19/2023	AFE+Supp Amt (Cost) 673,834	Daily Field Est Total (Cost) 41,151	Cum Field Est To Date (Cost) 493,488	AFE - Field Est (Cost) 125,456.98
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Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/19/2023
Report #: 6
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 41,151
Cum Cost to Date: 493,488

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)	Total Depth (mKB) 694.00		PBTD (All) (mKB)	

Responsible Superintendent

Contact Name	Mobile	Email

Responsible Engineer / Production Tech

Contact Name	Mobile	Email
Corey Thomson	403-660-7170	Corey.Thomson@paramountres.com

Wellsite Supervisor

Job Contact	Mobile	Email
Corey Thomson, Office Engineer	403-660-7170	Corey.Thomson@paramountres.com
Dusty Schneider, Wellsite Supervisor	780-897-5737	justinlinkschneider@gmail.com

Contractor Hours (Enter the Total Hours worked by ALL on-site that day) Reg Work Time should = Tot Work Time

Company	Type	Reg Work Time (hr)	Tot Work Time (hr)

Hazard IDs: Enter today's date, Card Type = Hazard ID and the total # of hazard IDs for the day

Date Report Submitted	Card Type	# Rpts
1/19/2023	Hazard ID	1

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	60.00	0.00	40.00	20.00	0.00	20.00	
Produced Water		38.00	-18.00	0.00	20.00	-20.00	

Weather & Road Condition

Weather	T (°C)	Road Cond
Partly Cloudy	-6	Fair

Attachments

Des	Type	Subtype



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/20/2023
Report #: 7
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 41,505
Cum Cost to Date: 534,993

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)		Total Depth (mKB) 694.00	PBTD (All) (mKB)	

Casing Strings

Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	3/15/1999	504.00	6.90	497.10	339.7	320.3	81.105	K-55	
Production	3/25/1999	694.00	6.90	687.10	244.5	222.5	64.735	L-80	

Zones / Event Sequence

Zone Name	Zone Code	Current Status
Chinkeh	/1	

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	Start Date 1/12/2023	End Date	Rig Name Precision Well Servicing 830
AFE Number 20AB0218	Total AFE + Supp Amount (Cost) 673,833.98	Working Interest (%) 50.00	Total Field Estimate (Cost) 548,377.00

Job Dates

Job Complete	Date	Type	Note

Daily Pressures

Type	Subtype	P (kPa)	String
Casing	SICP	0	Production, 694.00mKB

Operation Summary

Operations Summary

HSE Summary:

No incident, accidents, or spills. Qwest Air medi-vac # QW410.

Operations Summary:

Bed truck move rig matting to 300/B-41-6040-12245/0. Soft access road for 2 km prior to site. Determine movement of PWS Rig # 830 and rentals off location may damage road furhther. Wait road access t be frozen in overnight to 300/B-41-6040-12245/0.

Rig perform scheduled maintenance on equipment.

Contractors on standby in camp.

Unable to get track hoe or welder to perform Cut n Cap operations until 25-Jan-2023.

End of report.

Operations Next Report Period

Travel PWS Rig # 830 and rentals off location. Wait on Cut n Cap operations scheduled for 25-Jan-2023.

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	WOD	PP		Night boiler hand to boiler and heat wellhead and tank for night. Wait on daylight for rig operations.
07:00	07:30	0.50	7.50	Safety Mtg	PP		Discuss job scope and program Review contractor JSA, and Emergency Transportation Plan. Inspect work site for potential hazards. Review contractor JSA for maintenance operations. Qwest Air medi-vac # QW410. Secure onsite communications.



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/20/2023
Report #: 7
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 41,505
Cum Cost to Date: 534,993

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)		Total Depth (mKB) 694.00	PBTD (All) (mKB)	

24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
07:30	19:00	11.50	19.00	WOE	PP		Bed truck move rig matting to 300/B-41-6040-12245/0. Soft access road for 2 km prior to site. Determine movement of PWS Rig # 830 and rentals off location may damage road furthter. Wait road access t be frozen in overnight to 300/B-41-6040-12245/0. Rig perform scheduled maintenance on equipment. Contractors on standby in camp. Re-scheduled rig move for 21-Jan-2023 300/B-41-6040-12245/0 Unable to get track hoe or welder to o perform Cut n Cap operations until 25-Jan-2023. End of report.
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
Sand Fill (Permanent)		224.0	655.70	672.50	
Steel Plate		224.0	10.00	10.06	1/25/2023 13:00
Glacier (dirt) Tile		244.5	0.00	10.00	1/25/2023 13:00
Glacier (dirt) Tile		339.7	0.00	10.00	1/25/2023 13:00

Daily Cost

Code 2	Code 3	Cost Des	AFE+Supp Amt (Cost)	Rpt Fld Est (Cost)	Cum Fld Est (Cost)	Cum Var (Cost)
9231	203	SERVICE RIG & SWAB RIG DAYWORK	74,196.00	9,300.00	105,516.00	-31,320.00
9231	210	CAMP & CATERING	77,475.00	7,500.00	141,000.00	-63,525.00
9231	214	FUEL	4,750.00	2,871.00	13,223.00	-8,473.00
9231	216	COMMUNICATIONS & EQUIPMENT	7,350.00	428.00	5,746.00	1,604.00
9231	225	FIELD SUPERVISION	14,100.00	1,465.00	8,790.00	5,310.00
9231	230	MEDICAL, SAFETY, SECURITY SRVC & EQUIPMT	11,450.00	815.00	4,588.00	6,862.00
9231	240	EQUIPMENT RENTALS	30,000.00	13,866.00	58,832.00	-28,832.00
9231	260	LOGGING, CONDUCTOR WIRELINE, PERFORATING	15,325.00	2,000.00	16,886.00	-1,561.00
9231	310	PRODUCTION TESTING SERVICES	16,000.00	3,260.00	22,532.00	-6,532.00

Total

Report Start Date 1/20/2023	AFE+Supp Amt (Cost) 673,834	Daily Field Est Total (Cost) 41,505	Cum Field Est To Date (Cost) 534,993	AFE - Field Est (Cost) 125,456.98
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Responsible Superintendent

Contact Name	Mobile	Email

Responsible Engineer / Production Tech

Contact Name	Mobile	Email
Corey Thomson	403-660-7170	Corey.Thomson@paramountres.com

Wellsite Supervisor

Job Contact	Mobile	Email
Corey Thomson, Office Engineer	403-660-7170	Corey.Thomson@paramountres.com
Dusty Schneider, Wellsite Supervisor	780-897-5737	justinlinkschneider@gmail.com

Contractor Hours (Enter the Total Hours worked by ALL on-site that day) Reg Work Time should = Tot Work Time

Company	Type	Reg Work Time (hr)	Tot Work Time (hr)

Hazard IDs: Enter today's date, Card Type = Hazard ID and the total # of hazard IDs for the day

Date Report Submitted 1/20/2023	Card Type Hazard ID	# Rpts 1
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Flaring Volumes

Type	Subtype	Des	Amount	Units
		No Gas Flared		



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/20/2023
Report #: 7
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 41,505
Cum Cost to Date: 534,993

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)	Tubing Head Elevation (m)	Well Configuration Type Vertical	
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)	Total Depth (mKB) 694.00	PBTD (All) (mKB)		

Report Fluids Summary

Fluid	Cum to Lease (m³)	Cum fm lease (m³)	Lease Bal (m³)	Cum to Well (m³)	Cum from Well (m³)	Left to recover (m³)	Cum Non-recov (m³)
Fresh Water	60.00	0.00	40.00	20.00	0.00	20.00	
Produced Water		38.00	-18.00	0.00	20.00	-20.00	

Weather & Road Condition

Weather	T (°C)	Road Cond
Partly Cloudy	-2	Fair

Attachments

Des	Type	Subtype



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/25/2023
Report #: 8
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 13,384
Cum Cost to Date: 548,377

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)		Total Depth (mKB) 694.00	PBTD (All) (mKB)	

Casing Strings

Csg Des	Run Date	Set Depth (mKB)	Top (mKB)	Len (m)	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread
Surface	3/15/1999	504.00	6.90	497.10	339.7	320.3	81.105	K-55	
Production	3/25/1999	694.00	6.90	687.10	244.5	222.5	64.735	L-80	

Zones / Event Sequence

Zone Name	Zone Code	Current Status
Chinkeh	/1	

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	Start Date 1/12/2023	End Date	Rig Name Precision Well Servicing 830
AFE Number 20AB0218	Total AFE + Supp Amount (Cost) 673,833.98	Working Interest (%) 50.00	Total Field Estimate (Cost) 548,377.00

Job Dates

Job Complete	Date	Type	Note

Daily Pressures

Type	Subtype	P (kPa)	String
Casing	SICP	0	Production, 694.00mKB

Operation Summary

Operations Summary

HSE Summary:

No incident, accidents, or spills. Qwest Air medi-vac # QW410.

Operations Summary:

- Load and travel track hoe from Ft Laird to site. Unload track hoe.
- 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.
- Test crew assist in breakapart wellhead. Trackhoe remove 244.5 mm x 179.4 mm Tubing Head with Upper Wellhead assembly. Trackhoe remove 244.5 mm x 339.7 mm casing head.
- Track hoe dig bellhole around wellhead to depth of 3.5 m. Ensure proper slopping, stairway exit and spoil pile spacing from bellhole. No signs contaminated soil around wellhead.
- Cut and remove 508 mm conductor at 3.4 m below surface casing flange. Chip away cement between conductor and surface casing.
- Cut window in 339.7 mm Surface Casing and 244.5 mm Production Casing. No surface cement between Surface Casing and Production Casing at surface. Cut 244.5 mm Production Casing at 3.1 m (10.0 mKB) and Surface Casing at 3.3 m (10.2 mKB) depth below surface casing flange.
- Remove surface flange from bellhole. Stitch (vent) weld 6.3 mm plate on top of Production Casing (10 mKB) and Surface Casing (10.2 mKB). Weld write 1857 on 244.5 mm Production Casing cap.
- Back fill and tamp bellhole. Rough level surface ground.
- Install (orange)Tombomstone 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 1857 + Paramount Res Ltd + 60° 31' 12.39" N + 123° 1' 15.81" W + NAD 83
- Cut n Cap job completed. Release contractors.
- Trackhoe to be left on site for further construction operations.
- Job completed.

*** Adjust final costs as received***

Operations Next Report Period

Job completed.

Operation at 6am

Job completed.

24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
00:00	08:00	8.00	8.00	WOD	PP		Night boiler hand to boiler and heat wellhead and tank for night. Wait on daylight for rig operations.
08:00	08:30	0.50	8.50	Safety Mtg	PP		Discuss job scope and program Review contractor JSA, and Emergency Transportation Plan. Inspect work site for potential hazards. Review contractor JSA for cut n cap operations and ground disturbance. Qwest Air medi-vac # QW410.



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/25/2023
Report #: 8
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 13,384
Cum Cost to Date: 548,377

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)	Total Depth (mKB) 694.00		PBTD (All) (mKB)	

24 Hr Operational Comments

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Time Code	Ops Category	NPT	Operation Details
08:30	14:00	5.50	14.00	Cut/Cap	PP		<p>Load and travel track hoe from Ft Laird to site. Unload track hoe.</p> <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>Test crew assist in break apart wellhead. Track Hoe remove 244.5 mm x 179.4 mm Tubing Head with Upper Wellhead assembly. track hoe remove 244.5 mm x 339.7 mm casing head.</p> <p>Track hoe dig hellhole around wellhead to depth of 3.5 m. Ensure proper slopping, stairway exit and spoil pile spacing from hellhole. No signs contaminated soil around wellhead.</p> <p>Cut and remove 508 mm conductor at 3.1 m below surface casing flange. Chip away cement between conductor and surface casing.</p> <p>Cut window in 339.7 mm Surface Casing and 244.5 mm Production Casing. No surface cement between Surface Casing and Production Casing at surface. Cut 244.5 mm Production Casing at 3.1 m (10.0 mKB) and Surface Casing at 3.3 m (10.2 mKB) depth below surface casing flange.</p> <p>Remove surface flange from hellhole. Stitch (vent) weld 6.3 mm plate on top of Production Casing and Surface Casing. Weld write 1857 on 244.5 mm Production Casing cap.</p> <p>Back fill and tamp hellhole. Rough level 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 1857 + Paramount Res Ltd + 60° 31' 12.39" N + 123° 1' 15.81" W + NAD 83</p> <p>Cut n Cap job completed. Release contractors.</p> <p>Track Hoe to be left on site for further construction operations.</p>
14:00	00:00	10.00	24.00	No Job Activity	PP		<p>Job completed.</p> <p>*** Adjust final costs as received***</p>

Other In Hole

Des	Icon	OD (mm)	Top Depth (mKB)	Btm (mKB)	Run Date
Sand Fill (Permanent)		224.0	655.70	672.50	
Steel Plate		224.0	10.00	10.06	1/25/2023 13:00
Glacier (dirt) Tile		244.5	0.00	10.00	1/25/2023 13:00
Glacier (dirt) Tile		339.7	0.00	10.00	1/25/2023 13:00

Daily Cost

Code 2	Code 3	Cost Des	AFE+Supp Amt (Cost)	Rpt Fld Est (Cost)	Cum Fld Est (Cost)	Cum Var (Cost)
9231	216	COMMUNICATIONS & EQUIPMENT	7,350.00	428.00	6,174.00	1,176.00
9231	225	FIELD SUPERVISION	14,100.00	1,465.00	10,255.00	3,845.00
9231	234	SPECIAL SERVICES	23,500.00	2,390.00	2,390.00	21,110.00
9231	247	WELL CUT & CAP	0.00	5,841.00	5,841.00	-5,841.00
9231	310	PRODUCTION TESTING SERVICES	16,000.00	3,260.00	25,792.00	-9,792.00

Total

Report Start Date 1/25/2023	AFE+Supp Amt (Cost) 673,834	Daily Field Est Total (Cost) 13,384	Cum Field Est To Date (Cost) 548,377	AFE - Field Est (Cost) 125,456.98
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Responsible Superintendent

Contact Name	Mobile	Email

Responsible Engineer / Production Tech

Contact Name	Mobile	Email
Corey Thomson	403-660-7170	Corey.Thomson@paramountres.com



Daily ARO Report

Well: PARAMOUNT BERKLEY ARROWHEAD C-02
Pad: C-02/6040-12300
Business Unit: Central and Other
Rig: Precision Well Servicing 830

Report Date: 1/25/2023
Report #: 8
Total AFE Amount: 673,833.98
Total SUP Amount:
Total AFE + SUP: 673,834
AFE #: 20AB0218
Daily Cost Total: 13,384
Cum Cost to Date: 548,377

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	Field Name Arrowhead	State/Province NorthWest Territories	Working Interest (%) 50	License # N1857
Original KB Elevation (m) 454.10	Ground Elevation (m) 447.20	Casing Flange Elevation (m)		Tubing Head Elevation (m)	Well Configuration Type Vertical
KB-Ground Distance (m) 6.90	KB-Tubing Head Distance (m)	Total Depth (mKB) 694.00		PBTD (All) (mKB)	

Wellsite Supervisor

Job Contact	Mobile	Email
Corey Thomson, Office Engineer	403-660-7170	Corey.Thomson@paramountres.com
Dusty Schneider, Wellsite Supervisor	780-897-5737	justinlinkschneider@gmail.com

Contractor Hours (Enter the Total Hours worked by ALL on-site that day) Reg Work Time should = Tot Work Time

Company	Type	Reg Work Time (hr)	Tot Work Time (hr)

Hazard IDs: Enter today's date, Card Type = Hazard ID and the total # of hazard IDs for the day

Date Report Submitted	Card Type	# Rpts
1/25/2023	Hazard ID	1

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	60.00	0.00	40.00	20.00	0.00	20.00	
Produced Water		38.00	-18.00	0.00	20.00	-20.00	

Weather & Road Condition

Weather	T (°C)	Road Cond
Partly Cloudy	1	Fair

Attachments

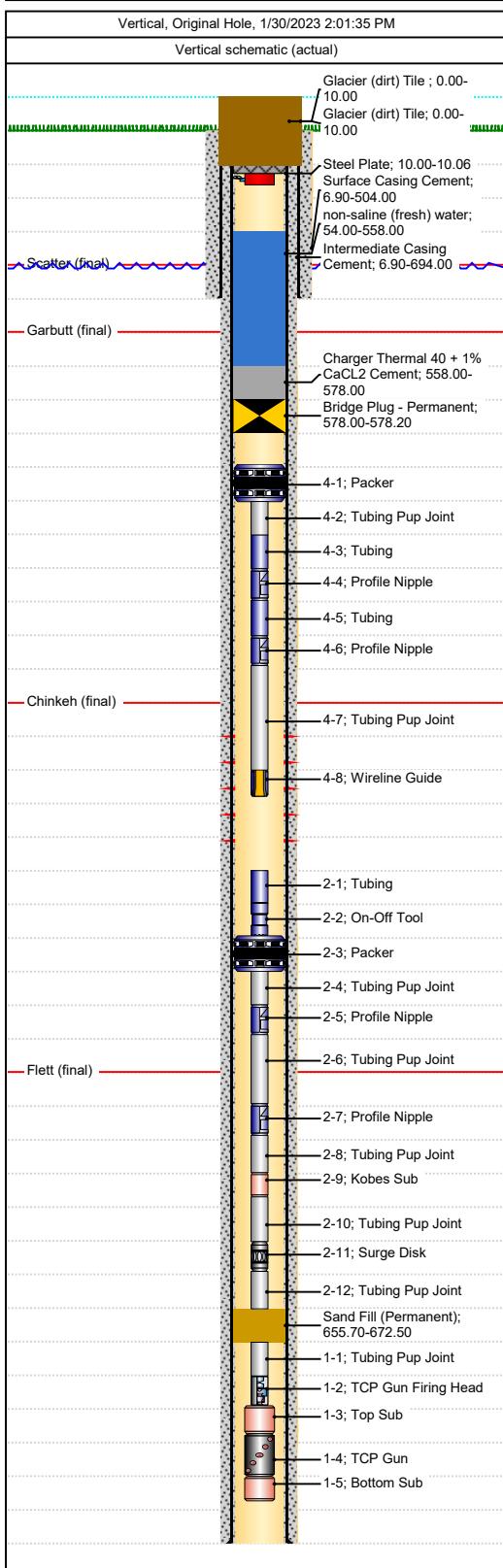
Des	Type	Subtype
IMG_4343 view of wellhead prior to cut n cap	Abandonment	Photos
IMG_4344 view of wellhead prior to cut n cap	Abandonment	Photos
IMG_4345 view wellhead at 1 m depth	Abandonment	Photos
IMG_4347 view wellhead at 2 m depth	Abandonment	Photos
IMG_4348 view after remove conductor pipe	Abandonment	Photos
IMG_4356 tombstone post 1 m north of well centre	Abandonment	Photos
IMG_4350 view of tape measurement from surface casing flange	Abandonment	Photos
IMG_4351 cut production and surface casing	Abandonment	Photos
IMG_4352 cap casing	Abandonment	Photos
IMG_4354 cap casing	Abandonment	Photos
IMG_4355 tombstone post 1 m north of well centre	Abandonment	Photos
IMG_4349 view of tape measurement from surface casing flange	Abandonment	Photos



Tubing and Rods (Schematic)

Well Name: PARAMOUNT BERKLEY ARROWHEAD C-02

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	License # N1857	Field Name Arrowhead	State/Province NorthWest Territories
Well Configuration Type Vertical	Original KB Elevation (m) 454.10	KB-Ground Distance (m) 6.90	KB-Casing Flange Distance (m)	KB-Tubing Head Distance (m)



Tubing - Workstring set at 679.97mKB on 3/11/1999 00:01

Des	Set Depth (mKB)	Run Date	Lateral Position	Pull Date	Cut/Pull Date	Depth Cut/Pull (...
Tubing - Workstring	679.97	3/11/1999				

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
1-1	Tubing Pup Joint	1	3.00	73.0	62.0	9.673		672.47	675.47

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
1-2	TCP Gun Firing Head	1	0.30	73.0				675.47	675.77

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
1-3	Top Sub	1	0.10	127.0				675.77	675.87

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
1-4	TCP Gun	1	4.00	127.0				675.87	679.87

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
1-5	Bottom Sub	1	0.10	127.0				679.87	679.97

Comment

Tubing set at 655.67mKB on 3/11/1999 00:02

Des	Set Depth (mKB)	Run Date	Lateral Position	Pull Date	Cut/Pull Date	Depth Cut/Pull (...
Tubing	655.67	3/11/1999				

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
2-1	Tubing	1	0.50	73.0	62.0	9.673		638.37	638.87

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
2-2	On-Off Tool	1	0.50	73.0				638.87	639.37

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
2-3	Packer	1	1.70	218.0	73.0			639.37	641.07

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
2-4	Tubing Pup Joint	1	3.10	73.0	62.0	9.673		641.07	644.17

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
2-5	Profile Nipple	1	0.30	73.0				644.17	644.47

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
2-6	Tubing Pup Joint	1	3.10	73.0	62.0	9.673		644.47	647.57

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
2-7	Profile Nipple	1	0.30	73.0				647.57	647.87

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
2-8	Tubing Pup Joint	1	3.10	73.0	62.0	9.673		647.87	650.97

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
2-9	Kobes Sub	1	0.10	73.0				650.97	651.07

Comment

Item #	Item Description	Joints	Length (m)	OD (mm)	ID (mm)	Wt (kg/m)	Grade	Top (mKB)	Btm (mKB)
2-10	Tubing Pup Joint	1	3.10	73.0	62.0	9.673		651.07	654.17

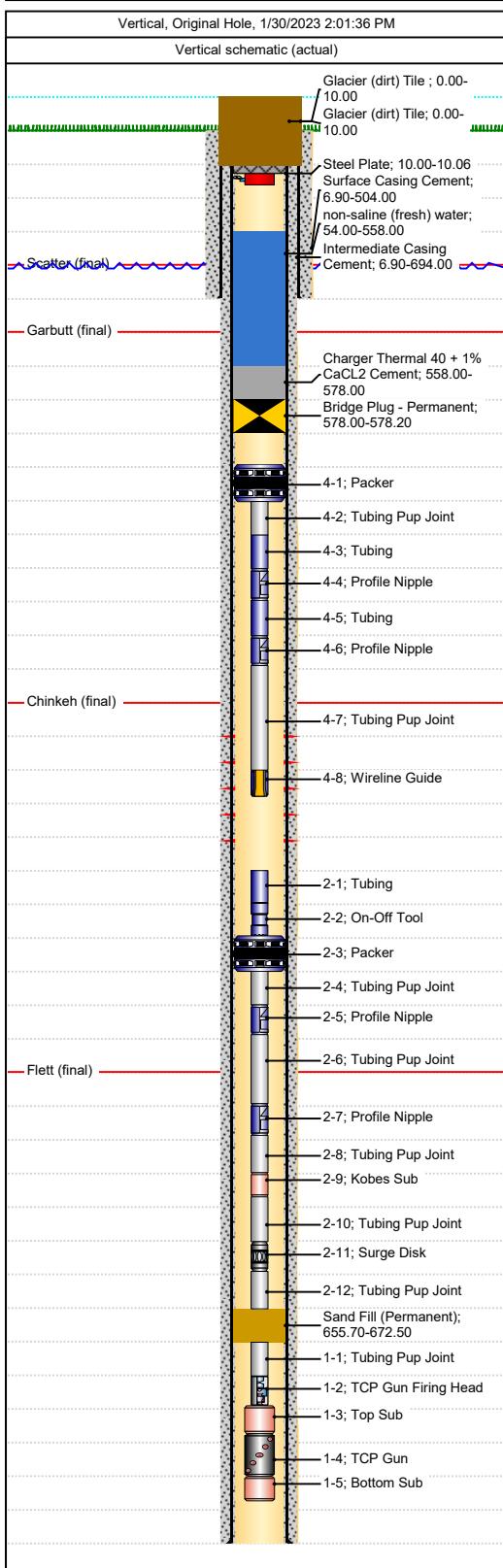
Comment



Tubing and Rods (Schematic)

Well Name: PARAMOUNT BERKLEY ARROWHEAD C-02

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	License # N1857	Field Name Arrowhead	State/Province NorthWest Territories	
Well Configuration Type Vertical	Original KB Elevation (m) 454.10	KB-Ground Distance (m) 6.90	KB-Casing Flange Distance (m)	KB-Tubing Head Distance (m)	



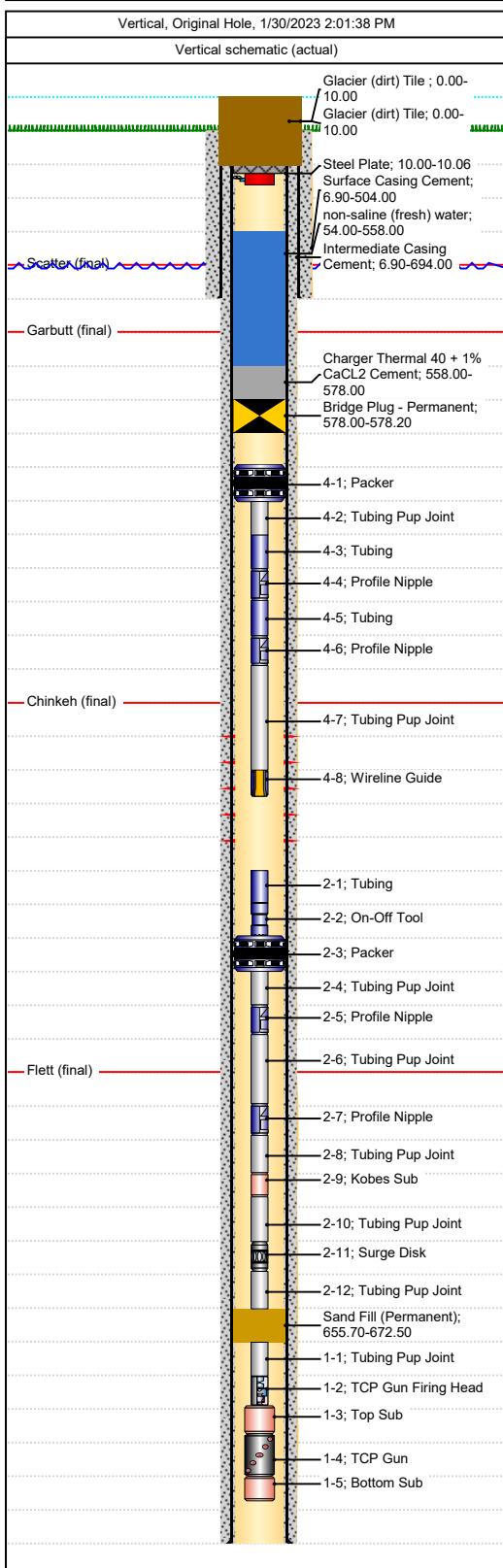
Item # 2-11	Item Description Surge Disk	Joints 1	Length (m) 0.30	OD (mm) 73.0	ID (mm)	Wt (kg/m)	Grade	Top (mKB) 654.17	Btm (mKB) 654.47			
Comment												
Item # 2-12	Item Description Tubing Pup Joint	Joints 1	Length (m) 1.20	OD (mm) 73.0	ID (mm) 62.0	Wt (kg/m) 9.673	Grade	Top (mKB) 654.47	Btm (mKB) 655.67			
Comment												
Tubing set at 605.98mKB on 3/11/1999 00:04												
Des Tubing	Set Depth (mKB) 605.98	Run Date 3/11/1999	Lateral Position		Pull Date		Cut/Pull Date		Depth Cut/Pull (...			
Item # 4-1	Item Description Packer	Joints 1	Length (m) 2.12	OD (mm) 218.0	ID (mm) 73.0	Wt (kg/m)	Grade	Top (mKB) 578.68	Btm (mKB) 580.80			
Comment												
Baker Loc-Set, A-3 Packer												
Item # 4-2	Item Description Tubing Pup Joint	Joints 1	Length (m) 2.49	OD (mm) 73.0	ID (mm) 62.0	Wt (kg/m) 9.673	Grade J-55	Top (mKB) 580.80	Btm (mKB) 583.29			
Comment												
Pup Joint												
Item # 4-3	Item Description Tubing	Joints 1	Length (m) 9.50	OD (mm) 73.0	ID (mm) 62.0	Wt (kg/m) 9.673	Grade J-55	Top (mKB) 583.29	Btm (mKB) 592.79			
Comment												
Tubing Joint												
Item # 4-4	Item Description Profile Nipple	Joints 1	Length (m) 0.30	OD (mm) 73.0	ID (mm) 58.7	Wt (kg/m)	Grade	Top (mKB) 592.79	Btm (mKB) 593.09			
Comment												
"F" Nipple												
Item # 4-5	Item Description Tubing	Joints 1	Length (m) 9.50	OD (mm) 73.0	ID (mm) 62.0	Wt (kg/m) 9.673	Grade J-55	Top (mKB) 593.09	Btm (mKB) 602.59			
Comment												
Tubing Joint												
Item # 4-6	Item Description Profile Nipple	Joints 1	Length (m) 0.19	OD (mm) 73.0	ID (mm) 55.8	Wt (kg/m)	Grade	Top (mKB) 602.59	Btm (mKB) 602.78			
Comment												
"R" Nipple w/ 55.8 mm NoGo (plug in place)												
Item # 4-7	Item Description Tubing Pup Joint	Joints 1	Length (m) 3.10	OD (mm) 73.0	ID (mm) 62.0	Wt (kg/m) 9.673	Grade J-55	Top (mKB) 602.78	Btm (mKB) 605.88			
Comment												
Pup Joint												
Item # 4-8	Item Description Wireline Guide	Joints 1	Length (m) 0.10	OD (mm) 73.0	ID (mm) 62.0	Wt (kg/m)	Grade	Top (mKB) 605.88	Btm (mKB) 605.98			
Comment												
Re-entry Guide												
Other In Hole												
Description Sand Fill (Permanent)		OD (mm) 224.0	Top Depth (mKB) 655.70	Btm (mKB) 672.50	Run Date		Mill/Pull Date					
Comment												
Description Bridge Plug - Permanent		OD (mm) 224.0	Top Depth (mKB) 578.00	Btm (mKB) 578.20	Run Date 1/18/2023 10:44	Mill/Pull Date						
Comment												
KAPPA - 8K - Permanent Bridge Plug												
Description Charger Thermal 40 + 1% CaCL2 Cement		OD (mm) 224.0	Top Depth (mKB) 558.00	Btm (mKB) 578.00	Run Date 1/18/2023 19:00	Mill/Pull Date						
Comment												
Description non-saline (fresh) water		OD (mm) 224.0	Top Depth (mKB) 54.00	Btm (mKB) 558.00	Run Date 1/19/2023 12:00	Mill/Pull Date						
Comment												



Tubing and Rods (Schematic)

Well Name: PARAMOUNT BERKLEY ARROWHEAD C-02

API/UWI 300/C-02/6040-12300/01	Surface Legal Location C-02/6040-12300	License # N1857	Field Name Arrowhead	State/Province NorthWest Territories
Well Configuration Type Vertical	Original KB Elevation (m) 454.10	KB-Ground Distance (m) 6.90	KB-Casing Flange Distance (m)	KB-Tubing Head Distance (m)



Other In Hole						
Description Steel Plate		OD (mm) 224.0	Top Depth (mKB) 10.00	Btm (mKB) 10.06	Run Date 1/25/2023 13:00	Mill/Pull Date
Comment						
Description Glacier (dirt) Tile		OD (mm) 244.5	Top Depth (mKB) 0.00	Btm (mKB) 10.00	Run Date 1/25/2023 13:00	Mill/Pull Date
Comment						
Description Glacier (dirt) Tile		OD (mm) 339.7	Top Depth (mKB) 0.00	Btm (mKB) 10.00	Run Date 1/25/2023 13:00	Mill/Pull Date
Comment						

