

WELL INSPECTION REPORT

INSTRUCTIONS:

- | | | |
|-------------------------|--|---|
| 1. Complete both pages. | 2. Send one electronic copy of this form and supporting technical documentation by email to orogo@gov.nt.ca . | 3. Send one signed hard copy of this form and supporting technical documentation by courier to:
Chief Conservation Officer
Office of the Regulator of Oil and Gas Operations
4th floor Northwest Tower
5201 50th Avenue
Yellowknife NT X1A 3S9 |
|-------------------------|--|---|

WELL INFORMATION

Well Name: Paramount et al Liard 2K-29

Coordinates: <i>(verify onsite)</i>	Lat: 60 ° 28 ' 40 "	Long: 123 ° 35 ' 5 "
	Datum: NAD83	

Well Operator: Paramount Resources

Status: Suspended

Current Inspection Date: Oct. 14,2020

WID: 1980

Previous Inspection Date: September 2, 2019

Completed in H₂S zone? Yes; % of H₂S:

EVALUATION

Site

Accessible for inspection and monitoring?	Yes;
Equipment or debris on site?	Yes; Surface equipment
Additional clean up required?	Yes;
Any environmental or safety concerns? (see Note 1)	No;
Number of photos attached? (required)	2 (wellhead, valves, signage and site area, other)

Wellhead

Wellhead accessible for inspection and monitoring?	Yes;
Brush cleared 10m around wellhead?	Yes;
Visible well marker in place?	Yes;
Wellhead chained and locked?	Yes;
Pumpjack secure?	No; N/A
Wellhead valves operate freely?	Yes;
Surface casing vent open?	Yes;
Pressure test well head seal assembly?	No;
Pressure rating of all components:	34.5 MPa
Wellhead schematic attached? (required)	No;

SCVF / Gas Migration

Evidence of SCVF? ^{Note 1} No;

SCVF test conducted? Yes; 10 minute bubble test

Signs of gas migration outside surface casing? ^{Note 1} No;

Gas migration test conducted? No;

Well

Does well contain tubing? Yes;

Does well contain pump and rods? No;

Is there a packer/plug above the perms? Yes;

Are tapped bull plugs in place? Yes;

Shut in production casing pressure: 0 kPa ^{Note 2} Shut in intermediate casing pressure: 0 kPa ^{Note 2}

Shut in production tubing pressure: 0 kPa ^{Note 2}

Include any other readings taken:
(Use separate page(s) if needed) _____

Note 1: As per Section 75 of the Oil and Gas Drilling and Production Regulations, it is the responsibility of the operator to notify OROGO of any pollution incident as soon as possible.

Note 2: Indicate any change in pressure since last inspection.

COMMENTS:

Note 2: Production tubing was zero compared to 100kPa during the 2019 inspection

“I certify on the basis of personal knowledge of operations undertaken at the above named well that the above information is accurate.”

Name	<u>Marty Wells</u>	Phone	<u>(250) 500-2287 Ext</u>
Title	<u>Maintenance supervisor</u>	E-Mail	<u>marty@backcountryservices.com</u>
Operator	<u>Back Country Services LTD.</u>	Inspected by	<u>Marty Wells</u>
Signature	 <u>Responsible Officer of Company</u>	Date	<u>March 29, 2021</u>

OROGO use only

The details of this document have been examined and verified by:

Job Designation _____

Well Identifier _____

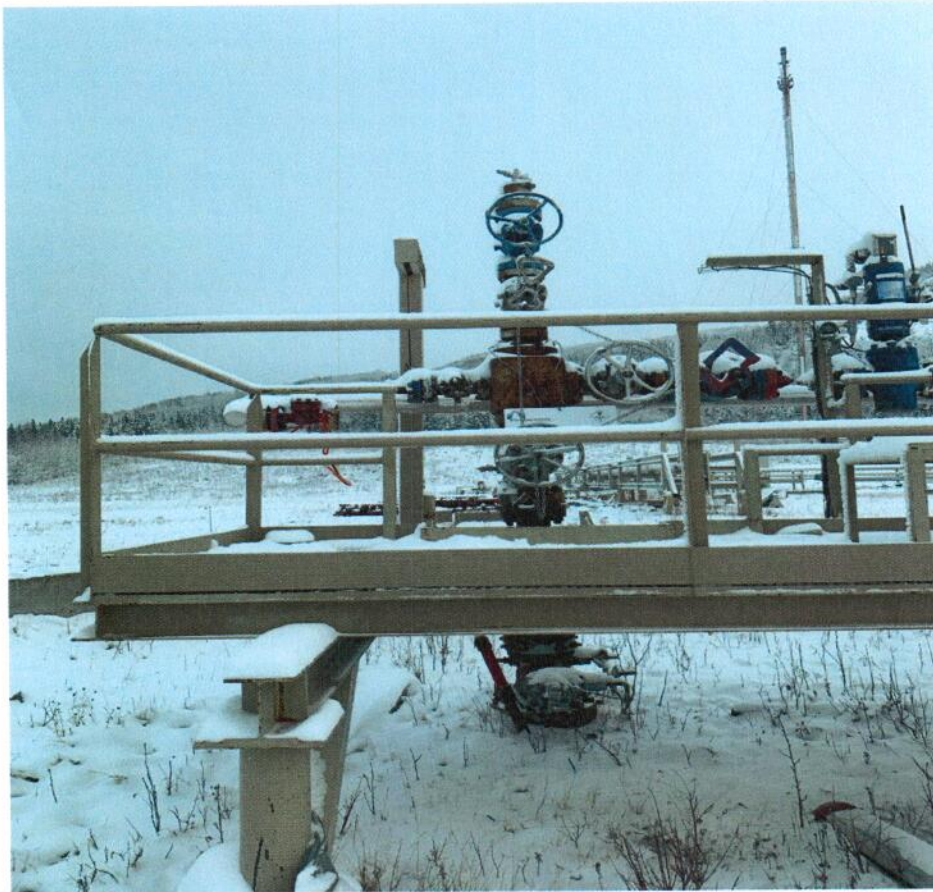
Signature _____

Approval Authority

Unique Well Identifier 30 / _____ - _____ - _____ / _____
(eg. 300 / A01 60-00 120-00 / 0)

Date _____

Paramount et al 2K-29 WID1980 Suspended Well Inspection Oct. 14, 2020



PARAMOUNT RESOURCES LTD.

Paramount et al Liard
2K-29
Wellbore Diagram
Well License # 1980

March 24, 2009
DB-10K perm. bridge
plug at 50 mKB

KB elev. 416.80 m
GL elev. 409.90 m
KB to CF 6.70 m
KB to TSF 6.25 m

734.00 mKB

Surface Casing: 244.5mm 59.53kg/m K-55 LT&C

Wellbore Deviation:		
300 mKB	1.0 deg	3 DLS
510 mKB	22.0 deg	3 DLS
740 mKB	26.4 deg	0 DLS
2820 mKB	37.8 deg	3 DLS
2940 mKB	51.8 deg	3 DLS
3090 mKB	59.3 deg	3 DLS
3120 mKB	72.8 deg	4 DLS
3240 mKB	64.9 deg	2 DLS
3596 mKB	87.2 deg	0 DLS

Production tubing - (as run Oct 18, 2004)

- 1) Proficent 114.3mm "RN" nipple c/w 96.85mm profile & 94.62mm Ni
- 2) 4 joints 114.3mm 18.75kg/m New Vam L-80 tubing.
- 3) 114.3mm 18.75kg/m L-80 New Vam perforated pup joint
- 4) 114.3mm 18.75kg/m L-80 New Vam pup joint.
- 5) Proficent 114.3mm "R" nipple c/w 96.85mm profile, Incoloy 925.
- 6) 114.3mm 18.75kg/m L-80 New Vam pup joint.
- 7) WCS 177.8mm Ultra-Pak Seal-bore Packer, Incoloy 925, HNBR Elements.
- 8) WCS Ultra-Pak Seal Assembly Note Latch Removed
- 9) 152mm Centralizer Sub, Incoloy 925
- 10) 114.3mm 18.75kg/m Incoloy 925 New Vam pup joint
- 11) Cross over Sub, 114.3mm New Vam pin X 114.3mm Eue Box.
- 12) 114.3mm "R" nipple c/w 96.85mm profile, Incoloy 925
- 13) 114.3mm 18.75kg/m Incoloy 925 Vam Ace pup joint
- 14) 114.3mm "R" nipple c/w 96.85mm profile, Incoloy 925.
- 15) 114.3mm 18.75kg/m Incoloy 925 Vam Ace pup joint
- 16) Baker 177.8mm "FAB-1" packer, Model 85 FA 47x40, Incoloy 925.
- 17) Baker Latch / Seal assembly.
- 18) 114.3mm 18.97kg/m L-80 Hydril 533 pup joint c/w SR-222 coating
- 19) 314 joints 114.3mm 18.97kg/m L-80 Hydril 533 tubing.
- 20) 4 114.3mm 18.97kg/m L-80 Hydril 533 pup joints (2.95, 2.33, 1.13 & 0.5m)
- 21) Cross over sub 114.3mm Hydril 533 pin X 127mm 26.79kg/m Hydril 513 box
- 22) 127mm 26.79kg/m L-80 Hydril 513 pin X pin pup joint
- 23) ABB Velco tubing hanger, Type CWC-F8H, 127mm Hydril 513 suspension thread & 5.875" MCA lift threads
- 24) 5000 daN compression

Length (m)	Top Depth (mkb)
	3087.76
0.51	3087.26
35.72	3051.53
3.10	3048.43
2.05	3046.38
0.38	3046.00
3.08	3042.92
1.75	3041.17
0.40	3040.77
0.20	3040.57
2.77	3037.80
0.28	3037.52
0.36	3037.16
2.82	3034.34
0.47	3033.87
2.82	3031.05
1.01	3030.04
0.30	3029.74
3.06	
3012.20	
6.91	
0.37	
0.96	
0.24	
-0.26	
3081.51	
6.25	
3087.76	

Total Tubing Length:
KB to TSF:

Landed Depth (mkb):

March 24, 2008
Weatherford DB 10K
permanent bridge plug
w/ 8m Thermal cement cap
@ 3015 mKB

3030.04 mKB
3033.87 mKB
3037.16 mKB
3041.17 mKB
3046.00 mKB
3074.0mKB
79deg
3087.25 mKB
3240.00 mKB
PBTD 3599.0 mKB
TD 3599.0 mKB

Inhibited Fresh Water in Annulus
1% Baker Petrolite CRW-132.

177.8mm 38.89kg/m L-80 Hydril SLX Production Casing
Landed @ 3074.00 mKB 2532.08m TVD

2619m TVD