



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 21
 Report Date: 3/10/2014
 Final Job Status: GAS
 Final Report? Yes

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	P100	1,000.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,595.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	23,100.00
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	23,100.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	11,760.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	48,450.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Fracture Stimulation Services	PROTECHNICS - CORE LABS	N110	21,817.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RONS AUTO SERVICE LTD	Q300	500.00
Fracture Stimulation Services	SCHLUMBERGER CANADA LIMITED	N110	1,552,044.82
Fishing / Milling Services	SCHLUMBERGER CANADA LIMITED	S500	26,090.21
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	31,900.00
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	26,400.00
Service Rig	SCHLUMBERGER CANADA LIMITED	E120	50,858.80
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	26,400.00
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	7,500.00
Completion Fluids & Other Chem	TERVITA CORP	G300	4,500.00
Service Rig	TRIDENT OILFIELD SERVICES LTD	E120	200.00
Welltesting (Eqpmnt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	22,265.00

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.510

PERFORATIONS

Date	Zone	Top (mKB)	Blm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing

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Report #: 21
Report Date: 3/10/2014
Final Job Status: G/
Final Report? Y

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



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Report #: 22
Report Date: 3/11/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699			
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 20,251,383.86
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Objective

New Ventures HZ Canol Formation completion

Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36

DAILY INFORMATION

Report Start Date 3/11/2014 06:00	Report End Date 3/12/2014 06:00	Daily Cost Total (Cost) 1,528,513.13	Cumulative Cost (Cost) 12,668,328.36	Personnel Regular Hours (hr) 1,056.00
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Daily Contacts

WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -29	Lease Condition Ice Pad / Snow Covered
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Last 24hr Summary

Pressure test coil tbg, run in and drill out isolation Bridge Plugs

24hr Forecast

Run out Coil Tbg and Prepare for E line Operation.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:00		P	Well site supervisors shift change
06:00	06:30	0.50	P	Safety and procedural meeting with all on location regarding daily activites. Conduct CPC PJHA regarding Rig in Coi tbgs equipment, drill out procedures and equipment moving.



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Report #: 22
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Final Job Status: GA
Final Report? Y

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:30	15:30	9.00	P	<p>Pressure test Coil tubing lube and injector low 1.5mPa for 15 min (Good test), pressure test high 51 mPa and seen slight bleed off, and noticed a leak, bled back pressure and inspect connections on lube. Applied heat to the lube to heat rubbers. Pressure test Coil tubing lube and injector low 1.5 mPa for 15 min (good test), pressure test high 51 mpa (Good test), Pull test coil tbg connector to 8,900daN, pressure test connector to 35MPa. Good tests. Remove lube from quick test sub and lower to the ground and installed drilling equipment as follows:</p> <ul style="list-style-type: none">- Connector assembly, Dimple F/2 CT- 73mm (2 7/8") Rugged Motorhead Assembly<ul style="list-style-type: none">- c/w dual flapper check valve- Hydraulic disconnect (1 1/8" ball seat)- 4 steel pin - 35MPa-Circ Sub (1" ball seat / 6 shear pins) - with ball 21MPa, without ball 42MPa- 73.0mm (2 7/8") Bi-Directional Ultra Jar<ul style="list-style-type: none">-Max Overpull : 14 270daN (32,000lbf)-Max Overpush: 14,270daN (32,000lbf)-Torsional Yield 367 daNm (2,700 ft-lbs)-Max lift after jarring: 195,000 lbf-Pump open area: 2.3in²-Stroke: 304.8mm (12")-73.0mm (2 7/8") Rugged Disconnect c/w 7/8" ball, 4 pin 4800psi.- 73.0mm (2 7/8") Powerplus Motor<ul style="list-style-type: none">- 5:6 Lobe; 4.7 Stage- Flow Range: 190-473 LPM- Revs per Unit Volume: 1 rev/l- Speed 188 - 470 rpm- No load pressure: 390kpa- Max Diff Pressure: 7033.5KPa- Torwue (@ Max Pressure): 646 ft/lbs-96.0mm 5 Blade Concave Mill c/w 5-10mm water ports. <p>Rig onto wellhead, pressure test quick test sub to 50MPa. good test. Break circulation to tester's and RIH.</p> <p>With coil @ 60mKB function test motor as follows:</p> <ul style="list-style-type: none">- 200lpm @ 9946KPa- 300lpm @ 19382KPa- 400lpm @ 28722KPa <p>Continue in the hole with coil to drill out bridge plugs # 1 thru #9</p>
15:30	18:00	2.50	P	<p>Tag and drill out Bridge plug's as follows:</p> <p>B.P #1 - 2332.65mKB (2325.9mKB CT depth) - (10min to drill out), run in and tag plug #2. Pump 1m³ Gel sweep, 2m³ spacer and 1m³ Gel sweep, continue to next plug. B.P #2 - 2429.65mKB (2422.1mKB CT depth) - (21min to drill out), run in and tag plug #3. Pump 1m³ Gel sweep, 2m³ spacer and 1m³ Gel sweep, sweep up to 1920.0mKB (30°), run in and tag plug #3</p>
18:00	18:00		P	Well site supervisors shift change
18:00	18:30	0.50	P	Safety and procedural meeting with all on location regarding daily activites. Conduct CPC PJHA regarding Rig in Coil tbg equipment, drill out procedures and equipment moving.
18:30	21:00	2.50	P	<p>Continue to tag and drill out Bridge plug's as follows:</p> <p>B.P #3 - 2526.65mKB (2517.1mKB CT depth) - (31min to drill out), run in and tag plug #4. Pump 1m³ Gel sweep, 2m³ spacer and 1m³ Gel sweep, continue to next plug. B.P #4 - 2623.65mKB (2615.0mKB CT depth) - (30min to drill out), run in and tag plug #5. Pump 1m³ Gel sweep, 2m³ spacer and 1m³ Gel sweep, sweep up to 1920.0mKB (30°), run in and tag plug #5.</p>
21:00	00:30	3.50	P	<p>B.P #5 - 2681.65mKB (2673.3mKB CT depth) - (15min to drill out), run in and tag plug #6. Pump 1m³ Gel sweep, 2m³ spacer and 1m³ Gel sweep, continue to next plug. B.P #6 - 2741.65mKB (2732.9mKB CT depth) - (31min to drill out), run in and tag plug #7. Pump 1m³ Gel sweep, 2m³ spacer and 1m³ Gel sweep, sweep up to 1920.0mKB (30°), run in and tag plug #7.</p>
00:30	04:30	4.00	P	<p>B.P #7 - 2833.65mKB (2824.8mKB CT depth) - (15min to drill out), run in and tag plug #8 Pump 1m³ Gel sweep, 2m³ spacer and 1m³ Gel sweep, continue to next plug. B.P #8 - 2930.65mKB (2920.9mKB CT depth) - (35min to drill out), run in and tag plug #9. Pump 1m³ Gel sweep, 2m³ spacer and 1m³ Gel sweep, sweep up to 1920.0mKB (30°), run in and tag plug #9.</p>
04:30	06:00	1.50	P	B.P #9 - 3030.65mKB - (3021.1mKB CT depth) - (1hr 24min to drill out), Pump 1m ³ Gel sweep, 2m ³ spacer and 1m ³ Gel sweep.
06:00	06:00		P	Well site supervisors shift change



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Report #: 22
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FLUID SUMMARY					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	7,919.81
DAILY COST					
BU Desc	Vendor	Activity Code	Amount (Cost)		
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	30,000.00		
Pressure Truck/Hot Oilier	CANOL OILFIELD SERVICES INC	S990	3,500.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	3,880.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,960.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,960.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	4,720.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	3,520.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,210.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,030.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,030.00		
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00		
Maintain Road & Location	CANOL OILFIELD SERVICES INC	D230	2,025.00		
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	23,520.00		
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	16,415.00		
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	22,560.00		
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	22,560.00		
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,420.00		
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,495.00		
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00		
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00		
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00		
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00		
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	0.00		
Service Rig	HRN CONTRACTING LTD	E120	2,000.00		
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00		
Service Rig	HRN CONTRACTING LTD	E120	1,970.00		
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00		
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	50.00		
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	5,790.00		
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	500.00		
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	P100	1,000.00		
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,595.00		
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00		
Service Rig	NABORS PRODUCTION SERVICES LTD	E120	11,588.76		
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00		
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	34,400.00		
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	4,500.00		
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00		
Fracture Stimulation Services	PROTECHNICS - CORE LABS	N110	21,817.00		
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00		
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Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00		
Surface Completion Equipment Rental	RONS AUTO SERVICE LTD	Q300	500.00		
Fracture Stimulation Services	SCHLUMBERGER CANADA LIMITED	N110	888,680.33		
Service Rig	SCHLUMBERGER CANADA LIMITED	E120	74,626.00		
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	20,000.00		
Fracture Stimulation Services	SCHLUMBERGER CANADA LIMITED	N110	262,800.40		
Completion Fluids & Other Chem	TERVITA CORP	G300	4,500.00		
Service Rig	TRIDENT OILFIELD SERVICES LTD	E120	200.00		
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA	M220	12,486.64		
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	18,965.00		



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CUMULATIVE JOB FLARED GAS BY ZONE

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PERFORATIONS	Date	Zone	Top (mKB)	Blm (mKB)	Shot Dens (shots/m)	Current Status
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	3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
	3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
	3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
	3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
	3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
	3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 23
Report Date: 3/12/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 20,251,383.86
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Objective

New Ventures HZ Canol Formation completion

Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36

DAILY INFORMATION

Report Start Date 3/12/2014 06:00	Report End Date 3/13/2014 06:00	Daily Cost Total (Cost) 319,775.19	Cumulative Cost (Cost) 12,988,103.55	Personnel Regular Hours (hr) 1,056.00
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Daily Contacts

WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -27	Lease Condition Ice Pad / Snow Covered
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Last 24hr Summary

Pull out of hole with coil tbg, displace with N² and prep coil for transport, rig in E-line, Run in hole with 96.5mm guage ring

24hr Forecast

Complete prep work & get ready to move in service rig & supporting equipment.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:00		P	WSS Shift Change.
06:00	06:30	0.50	P	Conduct Pre-job safety meeting with all Day personnel, review PJHA and discuss hazards associated with pulling coil, N ² purging, Methanol (MSDS Locations), rigging out tank farm containment and lifting 400bbl tanks with crane.
06:30	10:30	4.00	P	Run in the hole with coil tbg, tag PBTD @ 3123.0 mKB, pull up to 3110.0mKB (no drag), run back into 3121.0 (no tag), pull up to 3119.0mKB. Pump 1m ³ Gel, 2m ³ Spacer and 1m ³ Gel sweep, cwait for sweep to reach nozzle and pull out of the hole chasing gel to surface, pump 1m ³ gel, 2m ³ fresh water spacer, 1m ³ Gel spacer @ 1920mKB (30°), wait for gel to reach nozzle and chase gel to surface. (slight trace of sand in returns with gel to surface).
10:30	14:30	4.00	P	Pump 3m ³ 60% methanol/water into coil string, shut in master valve and bleed off pressure. Break lubricator connection and hoist injector and lubricator off of wellhead, lower tool string, break down and lay out tool string. Displace coil tbg with nitrogen, close 4 1/16" master valve. Bullhead 24m ³ fresh water at a rate of 1.20m ³ /min - 5,300KPa, Swich to 60% meth / water and pump 3m ³ to winterize wellbore. Rig off injector and lubricator, remove Bop's and prep frachead for E-line.
14:30	18:00	3.50	P	Install E-line's Bop's, pick up lubricator and toolstring, stab on lubricator, pressure test bop's and lubricator to 1.5 + 35MPa for 15min each test. solid test. Run in the hole with 96.5mm guage ring, run down to 2060mKB (no weight loss) Pull out of the hole (no overpull off bottom).
18:00	18:00		P	WSS shift Change.
18:00	19:45	1.75	P	Continue to P.O.O.H with Guage Ring, Junk basket was clean.
19:45	23:15	3.50	P	Made up the packer B.H.A: 60.3mm 'PMP"pump-out plug w/ 6 pins @3613kPa each (21678kPa total shear.) Length 0.12m 60.3mm J-55 pup. length 0.65m 60.3mm WZN nipple with 47.63 otis 'XN' profile. length 0.32m 60.3mm 'NFT' extended slick jt c/w 47.63mm otis 'X' profile. length 1.13m Made up on to e-line setting tool and R.I.H., Correlate on depth at liner top (-1.65m out). Continue to R.I.H to 2045m. Pulled strip & correlated to CCL log - collar @ 2023.1 mKB. Positioned CCL @ 2018.35mKB (Packer C/E @ 2026.0mKB). Set the packer, Pulled up10m, R.I.H tagged packer. P.O.O.H with E-line & layed down the lubricator.
23:15	23:45	0.50	P	Took the well pressure, Well on vacume,monitored the pressure for 30min.
23:45	02:00	2.25	P	Rigged out E-line, Coil Tbg.



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 23
Report Date: 3/12/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
02:00	06:00	4.00	P	Held pre job meeting with all services, Rigged lines off the wellhead, Rigged out the HD workfloor, Removed the Frac head & re-tarped in the wellhead.
06:00	06:00		P	WSS Shift Change

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	7,919.81

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	30,000.00
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	3,500.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,030.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,030.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	4,300.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,190.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,410.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	3,860.00
Maintain Road & Location	CANOL OILFIELD SERVICES INC	D230	2,025.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,495.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,245.00
Service Rig	CONOCO	E120	40,086.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	0.00
Service Rig	HRN CONTRACTING LTD	E120	2,000.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	50.00
Service Rig	HRN CONTRACTING LTD	E120	1,970.00
Maintain Road & Location	HRN CONTRACTING LTD	D230	5,660.90
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	500.00
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	P100	1,000.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,595.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00
Service Rig	NABORS PRODUCTION SERVICES LTD	E120	14,582.04
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	3,570.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RONS AUTO SERVICE LTD	Q300	500.00
Service Rig	SCHLUMBERGER CANADA LIMITED	E120	60,876.00
Fishing / Milling Services	SCHLUMBERGER CANADA LIMITED	S500	31,526.00
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	31,984.81
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	12,555.04
Completion Fluids & Other Chem	TERVITA CORP	G300	3,360.00
Service Rig	TRIDENT OILFIELD SERVICES LTD	E120	200.00
Welltesting (Eqmnt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA	M220	11,678.92



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 23
Report Date: 3/12/2014
Final Job Status: GAS
Final Report? Yes

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Welltesting (Eqmnt, Srvcs, PTA, Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	18,965.00

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.510

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 24
Report Date: 3/13/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 20,251,383.86
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Objective

New Ventures HZ Canol Formation completion

Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36

DAILY INFORMATION

Report Start Date 3/13/2014 06:00	Report End Date 3/14/2014 06:00	Daily Cost Total (Cost) 388,565.57	Cumulative Cost (Cost) 13,376,669.12	Personnel Regular Hours (hr) 1,088.00
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Daily Contacts

WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -25	Rig RIGLESS, RIGLESS 1
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Last 24hr Summary

MIRU Service Rig & Supporting Equipment.

24hr Forecast

I.H w/ Jet Pump B.H.A

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:00		P	WSS Handover and shift change
06:00	06:30	0.50	P	Hold Safety meeting, Review PJHA and discuss hazards associated with; rigging out equipment, suspended loads, load securement, and expectations regarding housekeeping.
06:30	11:30	5.00	P	Organize services to rig out and move around equipment as needed to prep for Service Rig arrival. - Rig out all 10k x 3" testing Iron - Rig out and remove 10k x 3" junk catcher, re-position manifold and swap out 10k manifold for 5k x 2" test manifold - Position line heater in preparation for rig in - Rig out and lay over 2x flare stacks, prep to move for installation of additional swamp mats prior to flow testing. - Re-locate IES frac head and associated equipment to side of location - Haul out Schlumberger tool shack (Blue Whale), re-locate all work boxes to water well staging area (km 40.5) - Move out E-line BOP skid and all associated equipment to water well staging area (km 40.5) - Start hauling out 400bbl tanks to water well staging area (km 40.5) to allow enough room for rig tank and pump. - Haul in 200 x swamp mats and unload in preparation for flare coverage. Offload and haul out 90m ³ water from flow back farm to Tervita in Rainbow Lake (Longway Transport)
11:30	12:00	0.50	P	Service Rig Equipment starting to arrive on location from N-20. Hold safety meeting with Service Rig personnel and Rig movers, review PJHA and discuss associated hazards; moving equipment (use of spotters), loading and unloading equipment, heavy loads, road regulations and radio usage, spotting plan.
12:00	14:00	2.00	P	Conduct walk around inspection and form spotting plan with WSS and Tool push, Spot matting for service rig, pump and tank. Spot all rig equipment as per NEB, CPC and Nabors policies and procedures.
14:00	14:30	0.50	P	Hold Pre-rig in safety meeting with all personnel, review PJHA and discuss hazards associated with standing and securing mast, riggin in associated equipment and well conditions and parameters. Check all personnel's safety tickets and orientations. All Tickets held and valid.
14:30	18:00	3.50	P	Conduct Mast inspection, raise and secure mast, spot hydraulic catwalk and pipe racks, position junk box, rig in stairs and all handrails. Rig on location with mobile hydraulic spooler, spot spooler in place and position office trailer for Weatherford Data technician. Run accumulator lines and pump lines, fill rig tank with 15m ³ fresh water. Begin to load tbg onto pipe racks with loader.
18:00	18:00		P	WSS handover and crew change.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:00	02:00	8.00	P	Held Safety meeting, Reviewed P.J.H.A meeting with all services, continued to rig in Service rig equipment, function & stump tested B.O.P's. (1.4 MPa low - 34.5 MPa high on each component for 15min each test.) Test Good. Bled off Csg pressure(145KPa) & Intermediate Csg Pressure (10,000 KPa), Landed the tbg hanger w/ back pressure valve in place, Removed 7 1/16 10K gate valve.
02:00	04:00	2.00	P	Installed adapter flange & B.O.P's, Re-pressure tested the B.O.P's, (1.4MPa low - 34.5 MPa high for 15 min each test). Test good.
04:00	06:00	2.00	P	Rigged in the workfloor & Tbg handling equipment.
06:00	06:00		P	WSS & crew change.

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	
	0.00	187.82			7,919.81

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	3,500.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	32,040.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,630.00
Maintain Road & Location	CANOL OILFIELD SERVICES INC	D230	2,025.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,495.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,245.00
Surface Completion Equipment Rental	CONLEYMAX INC	Q300	27,661.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	0.00
Service Rig	HRN CONTRACTING LTD	E120	2,000.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	50.00
Service Rig	HRN CONTRACTING LTD	E120	1,970.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	5,790.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	500.00
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	P100	1,000.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,595.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	27,506.79
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	27,506.79
Service Rig	NABORS PRODUCTION SERVICES LTD	E120	12,995.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	20,400.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	20,400.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	3,570.00
Surface Completion Equipment Rental	NORTHERN TRUCK SERVICES (1994) LTD	G300	20,400.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Service Rig	RONS AUTO SERVICE LTD	Q300	500.00
Completion Fluids & Other Chem	SCHLUMBERGER CANADA LIMITED	E120	112,095.00
Service Rig	TERVITA CORP	G300	4,500.00
Welltesting (Eqpmnt,Srvcs,PTA,Gov't Subs)	TRIDENT OILFIELD SERVICES LTD	E120	200.00
	WEATHERFORD CANADA	M220	13,996.42



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 24
Report Date: 3/13/2014
Final Job Status: GAS
Final Report? Yes

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Welltesting (Eqmnt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	18,965.00

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.510

PERFORATIONS

Date	Zone	Top (mKB)	Blm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 25
Report Date: 3/14/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION					
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60
JOB INFORMATION					
Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION		Secondary Job Type RIGLESS		Total Field Estimate (Cost) 20,251,383.86
Objective New Ventures HZ Canol Formation completion					
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY					
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50	
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36	
DAILY INFORMATION					
Report Start Date 3/14/2014 06:00	Report End Date 3/15/2014 06:00	Daily Cost Total (Cost) 245,585.40	Cumulative Cost (Cost) 13,622,254.52	Personnel Regular Hours (hr) 456.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714					
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -26	Lease Condition Ice Pad / Snow Covered	
Last 24hr Summary Made up Bha, Installed guages in guage carriers, tie in TEC lines, pressure test and perform function tests. Good tests. Run in the hole with tbg, Securing cables with Canon Guards and stainless strapping.					
Weather Forecast Continue to run in the hole with tbg, Securing cables with Canon Guards and stainless strapping. Nipple up aStream Flow 7-1/16" 10K x 2- 1/16" production wellhead tree.					
DAILY TIME LOG					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation	
06:00	06:00		P	WSS Shift Change and handover.	
06:00	06:30	0.50	P	Conduct Safety meeting and PJHA Review; discuss hazards associated with making up Bha, testing Equipment, Running in the hole, installing Straps and Canon Guards.	
06:30	16:30	10.00	P	Picked up BHA. Torqued all connections to spec and lined up gauge mandrels. Lined up blanked side of sliding sleeve for control lines. BHA (Bottom to top): 1 - Weatherford On-Off tool (Extended No Jay c/w nitrile seals) 1 - Joint 60.3mm J-55 EUE 6.99kg/m tubing 1 - X profile nipple (47.63mm seal bore - WX - SN# 53833188) 1 - 2.47m 60.3mm J-55 EUE pup joint (slim hole collar) 1 - 1.56m 60.3mm L-80 Gauge carrier (slim hole collar) - SN#WGDXBRT8005539 2/4) 1 - 3.06m 60.3mm J-55 EUE pup joint (slim hole collar) 1 - 1.56m 60.3mm L-80 Gauge carrier (slim hole collar) - SN#WGDXBRT8005539 3/4) 1 - 3.09m 60.3mm J-55 EUE pup joint (slim hole collar) 1 - 60.3mm CXU Weatherford sliding sleeve (47.63mm X profile in top / shift up to open) 1 - 1.24m 60.3mm J-55 EUE pup joint Installed gauge #1 into the bottom gauge carrier. Wrapped gauge with tarp and used steam heater to apply heat. Readied pressure testing equipment. Connected laptop to gauge and monitored temperature. Once temperature steadied out at 15°C pressure test was started. Pressure tested seal between gauge and mandrel: low 10340 kPa / high 51700 kPa. Both tests held solid for 15 minutes. Performed a TRD (Time Domain Reflectometer) test on cable. Good. Ran BHA down to second gauge madrel (3 bands installed on 10' pup inbetween mandrels). Removed protective coating on cable. Installed cable from bottom gauge into slot in the side of top gauge mandrel and secured. Installed gauge #2 into top gauge mandrel. Heated up gauge and begun pressure test. Pressure tested seal between gauge and mandrel: low 10340 kPa / high 51700 kPa. Both tests held solid for 15 minutes. Performed a TRD (Time Domain Reflectometer) test on cable. Good.	
16:30	18:00	1.50	P	Start to run in hole 60.3mm/6.99kg/m/J-55 tubing, BHA and TEC line. Rigid installing 1 Canon clamp across each tubing connection. Weatherford tech testing resistance and gauges on way in hole.	
18:00	18:00		P	WSS Shift Handover & Crew Change.	



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 25
Report Date: 3/14/2014
Final Job Status: GA
Final Report? Y

DAILY TIME LOG					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation	
18:00	06:00	12.00	P	Held P.J.H.A meeting with all services, Performed 10 min bubble test on S.C.V, Continue to run in hole 60.3mm/6.99kg/m/J-55 tubing, BHA and TEC line. Rigid installing 1 Canon clamp across each tubing connection. Weatherford tech testing resistance and gauges on way in hole.	
06:00	06:00		P	WSS Shift Handover & Crew Change.	
FLUID SUMMARY					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	7,919.81
DAILY COST					
BU Desc	Vendor	Activity Code	Amount (Cost)		
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	3,500.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,030.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,030.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,060.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	4,930.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,960.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,810.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	4,930.00		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	5,920.00		
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	P100	2,060.00		
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,585.00		
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,025.00		
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,585.00		
Service Rig	CANOL OILFIELD SERVICES INC	Q300	1,970.00		
Service Rig	CANOL OILFIELD SERVICES INC	E120	1,310.00		
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	E120	2,245.00		
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00		
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00		
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00		
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	25,393.00		
Service Rig	CANOL OILFIELD SERVICES INC	G300	25,393.00		
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	40,086.00		
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00		
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00		
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00		
Completion Fluids & Other Chem	ENZO ENERGY SERVICES - 1521872 AB	Q300	215.00		
Completion Fluids & Other Chem	ENZO ENERGY SERVICES - 1521872 AB	G300	17,745.00		
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	19,705.00		
Surface Completion Equipment Rental	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	Q300	0.00		
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00		
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00		
Maintain Road & Location	HRN CONTRACTING LTD	Q300	50.00		
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	240.00		
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	P100	500.00		
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,000.00		
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00		
Service Rig	NABORS PRODUCTION SERVICES LTD	E120	1,595.00		
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	19,022.00		
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	600.00		
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	3,570.00		
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	1,000.00		
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00		
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00		
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00		
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00		
Completion Fluids & Other Chem	RONS AUTO SERVICE LTD	Q300	500.00		
	TERVITA CORP	G300	6,917.40		

Daily Morning Report
COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 25
Report Date: 3/14/2014
Final Job Status: GAS
Final Report? Yes

DAILY COST		BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig		TRIDENT OILFIELD SERVICES LTD	E120	200.00	
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)		WEATHERFORD CANADA PARTNERSHIP	M220	18,965.00	
CUMULATIVE JOB FLARED GAS BY ZONE					
Zone		Volume Gas Total (E3m³)			1,627.510
CANOL, Original Hole					
PERFORATIONS					
Date	Zone	Top (mKB)	Bottom (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 26
Report Date: 3/15/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION						
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code	
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699			License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00	PBTD (All) (mKB) Original Hole - 3,129.60
JOB INFORMATION						
Job Category COMPLETIONS		Primary Job Type INITIAL COMPLETION		Secondary Job Type RIGLESS		Total Field Estimate (Cost) 20,251,383.86
Objective New Ventures HZ Canol Formation completion						
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date		Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY						
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50		
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36		
DAILY INFORMATION						
Report Start Date 3/15/2014 06:00	Report End Date 3/16/2014 06:00	Daily Cost Total (Cost) 1,100,596.83		Cumulative Cost (Cost) 14,722,851.35	Personnel Regular Hours (hr) 456.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714						
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear		Temperature (°C) -18	Lease Condition Ice Pad / Snow Covered	
Last 24hr Summary Continue running in hole with 60.3mm tbg c/w TEC cable, installing straps, Canon Guards and testing as per Weatherford Tech's on way in, spaced out tbg, tripped TEC cables through tbg hanger (installing ferrule's), land tbg hanger with 7,000daN compression. Pressure test On/off and tbg hanger to 30,000kPa for min. Good Test. Rig out work floor and auxiliary equipment, strip off Bop's.						
24hr Forecast MIRU Slickline,shift sleeve,pump off plug, run recorders. Swab/Flow the well.						
DAILY TIME LOG						
Start Time	End Time	Dur (hr)	Time P-T-X	Operation		
06:00	06:00		P	WSS handover and shift change.		
06:00	06:30	0.50	P	Pre-job safety meeting, review PJHA and discuss hazards associated with Tripping tbg c/w TEC cables, installing canon guards and strapping, working with steam, moving equipment, and pressure testing.		
06:30	14:00	7.50	P	Serviced rig equipment. Functioned crown saver and E-kills. Continued to run in hole Weatherford BHA c/w real time down hole gauges and dual control cables to surface. Tested cable resistane every 30 minutes and temerature/pressure every hour. All tests were good. Canon clamps were installed over every tubing collar. Slid over top of extended neck slick joint 2.33m in on joint #210. Set down 7000 daN onto packer and marked tubing. Pulled up and off packer and re-tagged in the same spot. Pulled tag joint and 1 more. Installed a 1.24m pup and 2x spacer nipples. Re ran joint # 210 and installed tubing hanger.		
14:00	16:00	2.00	P	Lowered sheave out of the derrick and removed cables. Cut cables with 16' slack above tubing hanger. Stripped off protective coating from cable. Installed 12.7mm LP feral fittings onto cables (top and bottom of tubing hanger) and threaded the cables through the tubing hanger. Banded cables up to the bottom of the tubing hanger and then tightened Feral fittings. Landed the tubing hanger with 7000daN compression on packer.		
16:00	17:00	1.00	P	Pumped down the casing and pressure tested the packer and On-off seals to 30000 kPa. Pressure held solid for 15 minutes. Good test. Started to rig out work floor and equipment.		
17:00	18:00	1.00	P	Install Two way check valve, Strip off Bop's and 10k - 5k Dsi, visually inspect orientation of TEC lines, need to turn 1/16th of a turn counter clockwise, un-lag lock down screws, elevate tbg string and rotate string 1/16th of a turn counter clock wise, re-lag and lag up lock down screws. Strip on wellhead adapter over TEC Lines and visually inspect orientation. Looks good, nipple up Wellhead adapter. Weatherford TEC Techs install high pressure Ferrule's on adapter.		
18:00	18:00		P	WSS handover and shift change.		
18:00	01:00	7.00	P	Held P.J.H.A meeting with all services, Weatherford TEC Techs continued to install high pressure Ferrule's on adapter & test the lines. Installed the wellhead, Rigged in the workfloor. Pressure tested the Primary & Secondary seals (1.4MPa low - 32MPa high) 15 min each test,test good, Pre-heated the wellhead,Pressure tested the wellhead (1.4MPa low - 32 Mpa high) 15 min each test. Test good.Removed the tbg back pressure valve. secured the wellhead.		
01:00	06:00	5.00	P	Rig crew tarped in the wellhead, drained pump lines & suction, performing maintenance on equipment. Testers finishing rigging in & getting ready for flow test.		
06:00	06:00		P	WSS handover & shift change.		
FLUID SUMMARY						
Fluid	To lease (m³) 0.00	From lease (m³) 0.00	To well (m³) 0.00	From well (m³) 0.00	Left to recover (m³)	

Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 26
 Report Date: 3/15/2014
 Final Job Status: G
 Final Report? Y

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	31.00			
DAILY COST					7,919.81

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	7,185.00
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	3,500.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,030.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,030.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,030.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,660.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	4,930.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	5,140.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	5,410.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	P100	3,110.00
Service Rig	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	E120	1,970.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Service Rig	CANOL OILFIELD SERVICES INC	G300	3,430.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,245.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Safety Equipment & Services	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00
Downhole Completion Equipment	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	0.00
Safety Equipment & Services	HALLIBURTON GROUP CANADA	C100	53,060.00
Service Rig	HODGSON'S CONTRACTING (2005) LTD	T430	141,847.82
Surface Completion Equipment Rental	HRN CONTRACTING LTD	E120	2,000.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Service Rig	HRN CONTRACTING LTD	Q300	50.00
Maintain Road & Location	HRN CONTRACTING LTD	E120	1,970.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	D230	1,882.20
Trucking/Hauling/ Hot Shot Services	MACKAY RANGE DEVELOPMENT CORP	Q300	500.00
Wellsite Supervision & Engineering	MCKAY EXPEDITING AND LOGISTICS LTD	P100	1,000.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,595.00
Surface Completion Equipment Rental	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	Q300	20,700.00
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	30,250.00
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	30,250.00
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	30,250.00
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	30,250.00
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	30,250.00
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	30,250.00
Service Rig	NABORS PRODUCTION SERVICES LTD	G300	3,510.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	E120	19,022.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	Q300	600.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	3,570.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	24,852.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	G300	24,852.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	G300	40,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	SAHTU RCS ENERGY SERVICES LTD	Q300	15.00
Surface Completion Equipment Rental	SAHTU RCS ENERGY SERVICES LTD	Q300	137,880.00
Surface Completion Equipment Rental	SAHTU RCS ENERGY SERVICES LTD	Q300	5,030.81
Surface Completion Equipment Rental	SAHTU RCS ENERGY SERVICES LTD	Q300	877.07



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Report #: 26
Report Date: 3/15/2014
Final Job Status: GAS
Final Report? Yes

DAILY COST		Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	10,500.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	5,625.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	52,200.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	21,000.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	4,050.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	64,020.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	7,500.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	44,100.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	18,000.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	191.66
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	9,000.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	22,800.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	1,363.81
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	7,500.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	2,250.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	7,500.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	Q300	6,000.00
Surface Completion Equipment Rental		SAHTU RCS ENERGY SERVICES LTD	G300	2,503.20
Completion Fluids & Other Chem		TERVITA CORP		
Service Rig		TRIDENT OILFIELD SERVICES LTD	E120	200.00
Downhole Completion Equipment		WEATHERFORD CANADA	C100	41,111.84
Welltesting (Eqmnt,Srvcs,PTA,Gov't Subs)		WEATHERFORD CANADA PARTNERSHIP	M220	21,814.27
Downhole Completion Equipment		WEATHERFORD CANADA PARTNERSHIP	C100	9,015.97
Downhole Completion Equipment		WEATHERFORD CANADA PARTNERSHIP	C100	13,383.01

CUMULATIVE JOB FLARED GAS BY ZONE

ne	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.510

PERFORATIONS					
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing

Daily Morning Report
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Report #: 26
Report Date: 3/15/2014
Final Job Status: GAS
Final Report? Y

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 27
Report Date: 3/16/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 20,251,383.86
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Objective
New Ventures HZ Canol Formation completion

Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36

DAILY INFORMATION

Report Start Date 3/16/2014 06:00	Report End Date 3/17/2014 06:00	Daily Cost Total (Cost) 119,267.45	Cumulative Cost (Cost) 14,842,118.80	Personnel Regular Hours (hr) 456.00
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Daily Contacts
WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -19	Lease Condition Ice Pad / Snow Covered
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Last 24hr Summary
Rigged on Weatherford wellhead outlet assembly for real time down hole gauges. Rigged in slickline. Ran 48.3mm GR to top of sliding sleeve at 2001.71mKB. Opened sliding sleeve. Rig on and pressure test service rig pump line to tubing. Pressure up tubing and pump off PPMP plug on bottom of tubing. (22MPa to ear). RIH slickline with 47.63mm X-lock c/w instrument hanger, shock absorber and bombwell. Bombwell containing 2- weatherford 10K gauges. Set in .63mm X profile nipple below gauge carriers @ 2014.29mKB. Rig out Slickline. Prepare to swab well with service rig.

24hr Forecast

Finish Configuring Scada Program/Flow the well

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:00		P	WSS shift change
06:00	06:30	0.50	P	Held a daily safety and operations meeting with all day shift personnel. Reviewed and discussed CPC PJHA regarding job scope and all associated hazards. All tickets checked and valid. Performed cross shift with night crews.
06:30	13:30	7.00	P	Weatherford gauge techs installed the wellhead outlet assembly into tbg and csg outlets on wellhead. Performed a TDR test on cables. Good. String out cables to Remote stand (real time). All work finished on wellhead, safe to rig in slickline.
13:30	14:00	0.50	P	Conduct PJHA meeting with all personnel regarding Slickline Ops, Pressure testing and circulating to confirm sleeve open.
14:00	14:30	0.50	P	Rin in slickline Bop's and lubricator (34.5MPa pressure rated).Purge with n ² and Pressure test Slickline pressure control equipment to 1.5 + 34.5MPa for 15 min each test. Good Test.
14:30	16:30	2.00	P	Performed the following slickline runs (lubricator purged and tested with N2 before each run): 1. Ran in hole with a 48.3mm gauge ring. Tagged the top of the the sliding sleeve at 2001.71mKB (2003.4mKB slickline depth). Pulled out of the hole. Gauge ring ran in and out of the hole smoothly. 2. Ran in hole with a 50.8mm XO sleeve shifting tool. Located SS at 2001.71mKB. SITP - 500KPa, Spanged up 7 times and sleeve opened. Tubing pressure dropped 400 kPa. Ran XO tool up and down 4 times through sliding sleeve and did not locate. Pulled out of the hole.
16:30	17:00	0.50	P	Shut in tester's (Tbg line) at manifold and pumped down the csg to blow out Tbg End Plug and confirm sliding sleeve was open. Applied 22,013KPa and seen the end plug go. Pressure dropped to 1,500KPa on csg and tbg. Pull out of the hole with slickline. Check pressures SITP - 1,500KPa, SICP - 1,450KPa. Open up both sides to bleed off applied pressure, pressure bled down to 0 with a steady trickle to the tester's. (Approx 1m ³ recovered from bleed off). Shut in both sides and monitor pressure. After 5min SITP - 1,500KPa, SICP 1,300KPa.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Description		
17:00	18:00	1.00	P	Make up weatherford gauges, install in bombwell make up rest of tool string as follows: top down - 2" X-line running tool -47.63mm X lock c/w instrument hanger -Shock absorber and bombwell. Bombwell contains 2- Weatherford 10K gauges. Bottom Primary SN 8955, Top Secondary SN 8954 All connections were locktighted. Purge and pressure test lube with nitrogen. Open well @ 17:12 pm. RIH 100m/min, perform pull test (ok). Ran through sliding sleeve with no issues down to 47.63mm X profile nipple below gauge carriers @ 2014.29 mKB. 17:42pm gauges landed in X profile nipple @2014.29mKB POOH and rig out Opsco wireline. Was not able to confirm a fluid level.		
18:00	18:00		P	WSS shift change		
18:00	18:30	0.50	P	Held a daily safety and operations meeting with all night shift personnel. Reviewed and discussed CPC PJHA regarding job scope and all associated hazards. All tickets checked and valid. Performed cross shift with day crews.		
18:30	06:00	11.50	P	1/2 Hr readings. Time B.H.P TBG Pressure CSG Pressure 18:00 Hrs 20513 KPa 18:30 Hrs 20471 KPa 19:00 Hrs 20479 KPa 1608 KPa 1584 KPa 19:30 Hrs 20474 KPa 1569 KPa 1579 KPa 20:00 Hrs 20450 KPa 1545 KPa 1581 KPa 20:30 Hrs 20449 KPa 1544 KPa 1585 KPa 20:30 - 21:00 Weatherford Tech performing software configuration. Continued to take 1/2 Hr readings. 21:00 Hrs 20447 KPa 1543 KPa 1583 KPa 21:30 Hrs 20604 KPa 1477 KPa 1572 KPa 22:00 Hrs 20606 KPa 1528 KPa 1575 KPa 22:30 Hrs 20584 KPa 1557 KPa 1584 KPa 23:00 Hrs 20558 KPa 1557 KPa 1574 KPa 23:30 Hrs 20596 KPa 1543 KPa 1568 KPa 00:00 Hrs 20596 KPa 1515 KPa 1571 KPa 00:30 Hrs 20590 KPa 1557 KPa 1578 KPa 01:00 Hrs 20588 KPa 1554 KPa 1572 KPa 01:30 Hrs 20588 KPa 1567 KPa 1568 KPa 02:00 Hrs 20552 KPa 1552 KPa 1562 KPa 02:30 Hrs 20582 KPa 1527 KPa 1561 KPa 03:00 Hrs 20431 KPa 1555 KPa 1579 KPa 03:30 Hrs 20434 KPa 1570 KPa 1570 KPa 04:00 Hrs 20436 KPa 1570 KPa 1556 KPa 04:30 Hrs 20434 KPa 1570 KPa 1582 KPa 05:00 Hrs 20431 KPa 1586 KPa 1571 KPa 05:30 Hrs 20432 KPa 1586 KPa 1576 KPa 06:00 Hrs 20424 KPa 1573 KPa 1566 KPa		
06:00	06:00		P	WSS shift change		
06:00	06:00		P			

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	
	0.00	0.00	0.00	0.00	7,919.81

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	3,500.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,245.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,245.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	21,670.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,290.00
Slickline Services	CORNERSTONE OILFIELD SERVICES LTD	U200	7,500.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 27
Report Date: 3/16/2014
Final Job Status: GAS
Final Report? Yes

DAILY COST			
BU Desc	Vendor	Activity Code	Amount (Cost)
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	0.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	50.00
Service Rig	HRN CONTRACTING LTD	E120	1,970.00
Maintain Road & Location	HRN CONTRACTING LTD	D230	80.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	500.00
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	P100	1,000.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,595.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00
Service Rig	NABORS PRODUCTION SERVICES LTD	E120	18,522.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Service Rig	TRIDENT OILFIELD SERVICES LTD	E120	200.00
Welltesting (Eqpmnt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	20,215.00
Downhole Completion Equipment	WEATHERFORD CANADA PARTNERSHIP	C100	2,400.00
Downhole Completion Equipment	WEATHERFORD CANADA PARTNERSHIP	C100	14,236.45

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.510

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/1/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 27
Report Date: 3/16/2014
Final Job Status: GA
Final Report? Y

PERFORATIONS

Date	Zone	Top (mKB)	Blm (mKB)	Shot Dens (shots/m)	Current Status
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 28

Report Date: 3/17/2014

Final Job Status: GAS

Final Report? Yes

WELL HEADER INFORMATION					
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60
JOB INFORMATION					
Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION		Secondary Job Type RIGLESS		Total Field Estimate (Cost) 20,251,383.86
Objective New Ventures HZ Canol Formation completion					
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY					
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50	
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36	
DAILY INFORMATION					
Report Start Date 3/17/2014 06:00	Report End Date 3/18/2014 06:00	Daily Cost Total (Cost) 162,912.96	Cumulative Cost (Cost) 15,005,031.76	Personnel Regular Hours (hr) 456.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theom LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714				Rig RIGLESS, RIGLESS 1	
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -19	Lease Condition Ice Pad / Snow Covered	
Last 24hr Summary Worked on SCADA and Weatherford real time data acquisition equipment until data communication was confirmed.					
On well @ 11:45a.m. on 12.70mm choke.					
06:00 - 18 HRS 15 MIN - FLOWING HZ CANOL FOR CLEAN UP / EVALUATION - 9 HRS 30 MIN FLARE					
FTP: 2150 kPa, SICP: 306 kPa, DHP = 18965 kPa, Intermediate CSG = TSTM, Flow Temp: 41 °C, Meter Run Temp: 43 °C, Choke size: 12.7 mm, Gas Rate: 2.70 E³m³/d, Gas to Flare last 6 hrs: 1.22 E³m³, Cumulative Gas to Flare: 5.17 E³m³, LFR: 7919.81m³, LFR last hour: 8.94 m³, LFR last 6 hours: 50.90 m³ (hourly average last 6, hours = 8.48 m³/hr), LFR: 144.97 m³, TLFLTR: 7774.74m³, Oil rec. last hour: 0.00m³, Oil rec. last 6 hours: 0.00m³, Cumulative Oil rec: 00.00m³, Salinity: 18000 ppm, PH: 7, sand: Trace, Surface Total = 94.61 m³, API = N/A, Hrs Flowed = 18 HRS 15 MIN, H²S = 0.0 ppm					
24hr Forecast Continue To Flow Well					
DAILY TIME LOG					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation	
06:00	06:30	0.50	P	WSS Shift Change and Handover	
06:30	07:00	0.50	P	Conduct Meeting with all personnel (day and night shifts), discuss tight hole operations due to unnecessary chatter around location and camp. Relay the message "don't tell, don't ask" to all services involved with past and present Operations. Release night crew and continue PJHA meeting with day personnel, discuss hazards associated with flowing / swabbing, proper purging, LEL monitoring and rigging in and out procedures.	
07:00	12:00	5.00	P	Time	B.H.P (KPa) TBG Pressure (KPa) CSG Pressure (KPa)
				06:30	20423.0 1578.0 1563.0
				07:00	20427.0 1568.0 1558.0
				07:30	20474.5 1567.0 1566.0
				08:00	20472.2 1570.0 1561.0
				08:30	20469.7 1572.0 1562.0
				09:00	20463.2 1574.0 1552.0
				09:30	20384.0 1569.0 1557.0
				10:00	1575.0 1558.0 (No B.H.P due to adjustments being made to system)
				10:30	20462.8 1569.0 1556.0
				11:00	20516.3 1563.0 1550.0
				11:30	20486.3 1558.0 1542.0



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 28
Report Date: 3/17/2014
Final Job Status: G
Final Report? \

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
12:00	14:00	2.00	P	<p>Open up well to tester's Low Stage Vessel on 12.70mm (32/64") choke;</p> <p>Opening Pressures / Vol: Downhole Press - 20513.8 KPa SITP - 1554.0 KPa SICP - 1557.0 KPa TLFLTR : 7919.81m³</p> <p>11:46 (fluid to surface) 11:50 FTP: 653 KPa / SICP: 1331 KPa 11:55 FTP: 626 KPa / SICP: 1294 KPa 12:00 FTP: 603 KPa / SICP: 1271 KPa 12:15 FTP: 671 KPa / SICP: 1250 KPa 12:17 Bottoms up recovered (4.66m³) 12:30 FTP: 813 KPa / SICP: 1250 KPa 12:45 FTP: 748 KPa / SICP: 1224 KPa 13:00 FTP: 747 KPa / SICP: 1206 KPa</p> <p>13:00 Flow summary (1.25 Hours flowed) FTP: 747 KPa SICP: 1206 KPa Flow Temp: 37°C Meter Run Temp: 21°C Choke size: 12.70mm Gas Rate: 0.00 E³m³/d Cumulative Gas to Flare: 0.00 E³m³ LFTR: 7919.81m³ LFR last hour: 6.66m³ LFR last 6 hours: 8.91m³ TLFR: 8.91m³ TLFLTR: 7910.90 m³ Oil rec. last hour: 0.0m³ Oil rec. last 6 hours: 0.0m³ Cumulative Oil rec: 0.0m³ Salinity: 17000 ppm PH: 5 Sand: none</p>
14:00	18:30	4.50	P	<p>18:00 - HRS FLOWING HZ CANOL FOR CLEAN UP / EVALUATION - 6 HRS 15 MIN</p> <p>FTP: 788 kPa SICP: 935 kPa DHP= 9633 kPa Intermediate CSG = TSTM Flow Temp: 32°C Meter Run Temp: 11°C Choke size: 12.70mm Gas Rate: 1.73 E³m³/d Cumulative Gas to Flare: 0.13 E³m³ Cumulative Gas to Flare last 6 hrs: 0.13 E³m³ LFTR: 7919.81m³ LFR last hour: 4.66m³ LFR last 6 hours: 45.92m³ (hourly average last 6 hours = 7.65 m³/hr) TLFR: 45.92m³ TLFLTR: 7873.89m³ Oil rec. last hour: 0.00m³ Oil rec. last 6 hours: 0.00m³ Cumulative Oil rec: 0.00m³ Salinity: 19000ppm PH: 6 Sand: Trace Surface Total = 82.97m³ Api = N/A Hrs Flowed = 6.25 H²S = 0.0 ppm</p>
18:30	18:30		P	WSS Shift Change



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 28
Report Date: 3/17/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	00:00	5.50	P	00:00 - 12 HRS 15 MIN - FLOWING HZ CANOL FOR CLEAN UP / EVALUATION - 3 HRS 30 MIN FLARE FTP: 1687 kPa SICP: 581 kPa DHP= 19229.4 kPa Intermediate CSG = TSTM Flow Temp: 36 °c Meter Run Temp: 42 °c Choke size: 12.7 mm Gas Rate: 7.35 E ³ m ³ /d Gas to Flare last 6 hrs: 3.87 E ³ m ³ Cumulative Gas to Flare: 4.0 E ³ m ³ LFTR: 7919.81m ³ LFR last hour: 8.01 m ³ LFR last 6 hours: 48.15 m ³ (hourly average last 6 hours = 8.02 m ³ /hr) TLFR: 94.07 m ³ TLFLTR: 7825.74 m ³ Oil rec. last hour: 0.00m ³ Oil rec. last 6 hours: 0.00m ³ Cumulative Oil rec: 0.00m ³ Salinity: 17000 ppm PH: 7 Sand: 0 Surface Total = 43.71m ³ Api = N/A Hrs Flowed = 12 HRS 15 MIN H ₂ S = 0.0 ppm
00:00	06:00	6.00	P	06:00 - 18 HRS 15 MIN - FLOWING HZ CANOL FOR CLEAN UP / EVALUATION - 9 HRS 30 MIN FLARE FTP: 2150 kPa SICP: 306 kPa DHP= 18965 kPa Intermediate CSG = TSTM Flow Temp: 41 °c Meter Run Temp: 43 °c Choke size: 12.7 mm Gas Rate: 2.70 E ³ m ³ /d Gas to Flare last 6 hrs: 1.22 E ³ m ³ Cumulative Gas to Flare: 5.17 E ³ m ³ LFTR: 7919.81m ³ LFR last hour: 8.94 m ³ LFR last 6 hours: 50.90 m ³ (hourly average last 6 hours = 8.48 m ³ /hr) TLFR: 144.97 m ³ TLFLTR: 7774.74m ³ Oil rec. last hour: 0.00m ³ Oil rec. last 6 hours: 0.00m ³ Cumulative Oil rec: 0.00m ³ Salinity: 18000 ppm PH: 7 Sand: Trace Surface Total = 94.61 m ³ Api = N/A Hrs Flowed = 18 HRS 15 MIN H ₂ S = 0.0 ppm
06:00	06:00		P	WSS Shift Change

FLUID SUMMARY

Fluid	To lease (m ³)	From lease (m ³)	To well (m ³)	From well (m ³)	Left to recover (m ³)
FRESH WATER	0.00	109.00	0.00	144.97	7,774.84

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	465.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Maintain Road & Location	CANOL OILFIELD SERVICES INC	D230	2,025.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	17,704.00
Service Rig	CONOCO	E120	40,086.00

Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 28
 Report Date: 3/17/2014
 Final Job Status: G
 Final Report? \

DAILY COST			
BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	T130	1,595.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	50.00
Service Rig	HRN CONTRACTING LTD	E120	1,970.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	500.00
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	T130	1,100.00
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	P100	1,000.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,595.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00
Service Rig	NABORS PRODUCTION SERVICES LTD	E120	18,522.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RONS AUTO SERVICE LTD	Q300	18,223.95
Completion Fluids & Other Chem	TERVITA CORP	G300	8,840.00
Service Rig	TRIDENT OILFIELD SERVICES LTD	E120	200.00
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	36,178

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.510

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing

Daily Morning Report
COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 28
Report Date: 3/17/2014
Final Job Status: GAS
Final Report? Yes

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 29
Report Date: 3/18/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION					
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60
JOB INFORMATION					
Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION		Secondary Job Type RIGLESS		Total Field Estimate (Cost) 20,251,383.86
Objective New Ventures HZ Canol Formation completion					
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagarth	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY					
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50	
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36	
DAILY INFORMATION					
Report Start Date 3/18/2014 06:00	Report End Date 3/19/2014 06:00	Daily Cost Total (Cost) 467,177.72	Cumulative Cost (Cost) 15,472,209.48	Personnel Regular Hours (hr) 336.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714					
Tubing Pressure (kPa) 2,163	Casing Pressure (kPa) 288	Weather Clear	Temperature (°C) -10	Lease Condition Ice Pad / Snow Covered	
Last 24hr Summary Flowed TBG to testers, Rigged out service rig, Continued flowing to testers 00:00 = 41hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 38 hrs 30 min FLARE 3721 kPa, SICP:1349 kPa, DHP=18029 kPa, Intermediate CSG = TSTM kPa, Flow Temp: 29 °c, Meter Run Temp: 41 °c Smoke size: 12.7 mm, Gas Rate: 15.20 E³m³/d, Gas to Flare last 6 hrs: 3.30 E³m³, Cumulative Gas to Flare:13.11E³m³ LFTR: 7919.81m³, LFR last hour: 8.57 m³, LFR last 6 hours: 55.72 m³ (hourly average last 6 hours = 9.28 m³/hr), TLFR: 349.34 m³ TLFLTR: 7570.47 m³, Oil rec. last hour: 0.00m³, Oil rec. last 6 hours: 0.00m³, Cumulative Oil rec: 00.00m³, Salinity: 22000 ppm PH: 7, Sand: Trace, Surface Total = 65.05 m³, Api = N/A, Hrs Flowed = 41 HRS 30 MIN, H²S = 0.0 ppm					
24hr Forecast Continue To Flow Well to testers					
DAILY TIME LOG					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation	
06:00	06:00	0.00	P	WSS Shift Change	
06:00	06:30	0.50	P	Conduct Meeting with all personnel (day and night shifts), discuss tight hole operations due to unnecessary chatter around location and camp. Relay the message "don't tell, don't ask" to all services involved with past and present Operations. Release night crew and continue PJHA meeting with day personnel, discuss hazards associated with flowing / swabbing, proper purging, LEL monitoring and rigging in and out procedures.	



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 29
Report Date: 3/18/2014
Final Job Status: C
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X				
06:30	07:30	1.00	P	Shut in well @ 10:45 Rigged out rig and equipment surrounding the well head Pressure before shut in: CSG= 107 kPa TBG= 2186 kPa DH= 18723 kPa Opened TBG back up to testers @11:30 Before opening the TBG shut in pressure: CSG= 478kPa TBG= 3335 kPa DH= 19168.30 kPa 12:00 = 23hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 14 hrs 45 min FLARE FTP: 201 kPa SICP: 249 kPa DHP= 18843.4 kPa Intermediate CSG = 15,000 kPa Flow Temp: 38 °c Meter Run Temp: 33 °c Choke size: 38.1 mm Gas Rate: 0.46 E³m³/d Gas to Flare last 6 hrs: 1.10 E³m³ Cumulative Gas to Flare: 6.27 E³m³ LFTR: 7919.81m³ LFR last hour: 3.52 m³ LFR last 6 hours: 46.90 m³ (hourly average last 6 hours = 7.81 m³/hr) TLFR: 191.87 m³ TLFLTR: 7727.94m³ Oil rec. last hour: 0.00m³ Oil rec. last 6 hours: 0.00m³ Cumulative Oil rec: 00.00m³ Salinity: 19000 ppm PH: 7 Sand: Trace Surface Total = 42.81 m³ Api = N/A Hrs Flowed = 18 HRS 15 MIN H²S = 0.0 ppm	Operation		
07:30	12:30	5.00	P	Time	B.H.P (KPa)	TBG Pressure (KPa)	CSG Pressure (KPa)
				06:30	18927.9	2163	283
				07:00	18912.4	2209	264
				07:30	18894.1	2230	212
				08:00	18856.0	2223	217
				08:30	18848.1	2216	190
				09:00	18826.0	2201	176
				09:30	18803.6	2225	160
				10:00	18767.5	2255	147
				10:30	18743.1	2235	116
				Shut in to rig out service rig			
				11:00	19340.5	3238	438
				11:30	19168.3	3335	478
				Opened Tubing back up to testers			
				12:00	18843.4	201	249



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 29
Report Date: 3/18/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
12:30	18:00	5.50	P	Held solid pressure test on intermediate CSG for 30 min at 15,000 kPa Bled down intermediate to 0.00 kPa 18:00 = 29hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 26 hrs FLARE (adjusted for time missed on Flare time) FTP: 2552 kPa SICP: 21 kPa DHP= 18499.2 kPa Intermediate CSG = 0 kPa Flow Temp: 39 °c Meter Run Temp: 41 °c Choke size: 12.70 mm Gas Rate: 7.55 E ³ m ³ /d Gas to Flare last 6 hrs: 1.41 E ³ m ³ Cumulative Gas to Flare: 7.68 E ³ m ³ LFTR: 7919.81m ³ LFR last hour: 3.52 m ³ LFR last 6 hours: 46.90 m ³ (hourly average last 6 hours = 7.81 m ³ /hr) TLFR: 242.72 m ³ TLFLTR: 7677.09m ³ Oil rec. last hour: 0.00m ³ Oil rec. last 6 hours: 0.00m ³ Cumulative Oil rec: 0.00m ³ Salinity: 18000 ppm PH: 7 Sand: Trace Surface Total = 66.38 m ³ Api = N/A Hrs Flowed = 26 HRS H ₂ S = 0.0 ppm
18:00	18:00		P	WSS Shift change
18:00	00:00	6.00	P	Conduct PJHA meeting with night personnel, discuss hazards associated with flowing procedures.
00:00	06:00	6.00	P	00:00 = 35hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 32 hrs 45 min FLARE FTP: 3138 kPa SICP: 717 kPa DHP= 18265 kPa Intermediate CSG = TSTM kPa Flow Temp: 27 °c Meter Run Temp: 35 °c Choke size: 12.7 mm Gas Rate: 12.24 E ³ m ³ /d Gas to Flare last 6 hrs: 2.13 E ³ m ³ Cumulative Gas to Flare: 9.81 E ³ m ³ LFTR: 7919.81m ³ LFR last hour: 9.45 m ³ LFR last 6 hours: 50.90 m ³ (hourly average last 6 hours = 8.48 m ³ /hr) TLFR: 293.62 m ³ TLFLTR: 7626.19m ³ Oil rec. last hour: 0.00m ³ Oil rec. last 6 hours: 0.00m ³ Cumulative Oil rec: 0.00m ³ Salinity: 21000 ppm PH: 7 Sand: Trace Surface Total = 99.84 m ³ Api = N/A Hrs Flowed = 35 HRS 30 MIN H ₂ S = 0.0 ppm



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 29
Report Date: 3/18/2014
Final Job Status: C
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	12:00	6.00	P	06:00 = 41hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 38 hrs FLARE FTP: 3721 kPa SICP:1349 kPa DHP=18029 kPa Intermediate CSG = TSTM kPa Flow Temp: 29 °c Meter Run Temp: 41 °c Choke size: 12.7 mm Gas Rate: 15.20 E³m³/d Gas to Flare last 6 hrs: 3.30 E³m³ Cumulative Gas to Flare:13.11E³m³ LFTR: 7919.81m³ LFR last hour: 8.57 m³ LFR last 6 hours: 55.72 m³ (hourly average last 6 hours = 9.28 m³/hr) TLFR: 349.34 m³ TLFLTR: 7570.47 m³ Oil rec. last hour: 0.00m³ Oil rec. last 6 hours: 0.00m³ Cumulative Oil rec: 0.00m³ Salinity: 22000 ppm PH: 7 Sand: Trace Surface Total = 65.05 m³ Api = N/A Hrs Flowed = 41 HRS 30 MIN H₂S = 0.0 ppm
12:00	12:00		P	WSS Shift Change

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	
	0.00	220.72	0.00	204.37	7,570.47

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	BIG EAGLE LIMITED PARTNERSHIP	G300	24,000.00
Completion Fluids & Other Chem	BIG EAGLE LIMITED PARTNERSHIP	G300	24,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,610.00
Maintain Road & Location	CANOL OILFIELD SERVICES INC	D230	2,025.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,495.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	21,645.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	14,460.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,290.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	T130	1,595.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Maintain Road & Location	HRN CONTRACTING LTD	Q300	50.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	D230	5,216.90
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	Q300	500.00
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	T130	1,100.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	P100	1,000.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00
Service Rig	NABORS PRODUCTION SERVICES LTD	E120	15,857.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	22,440.00



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 29
Report Date: 3/18/2014
Final Job Status: GAS
Final Report? Yes

DAILY COST		Vendor	Activity Code	Amount (Cost)
BU Desc				
Completion Fluids & Other Chem		NORTHERN TRUCK SERVICES (1994) LTD	G300	22,440.00
Completion Fluids & Other Chem		NORTHERN TRUCK SERVICES (1994) LTD	G300	22,440.00
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental		RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental		RIGSAT COMMUNICATIONS INC	Q300	15.00
Completion Fluids & Other Chem		TERVITA CORP	G300	10,974.60
Completion Fluids & Other Chem		TERVITA CORP	G300	1,134.00
Service Rig		TRIDENT OILFIELD SERVICES LTD	E120	200.00
Rig Camp		TRUMPETER CAMP COMPANY PARTNERSHIP LTD	E500	1,645.00
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)		WEATHERFORD CANADA	M220	206,824.78
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)		WEATHERFORD CANADA	M220	25,491.44
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)		WEATHERFORD CANADA PARTNERSHIP	M220	21,565.00

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.510

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing

Daily Morning Report
COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 29
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Final Job Status: C
Final Report? Yes

PERFORATIONS

Date	Zone	Top (mKB)	Blm (mKB)	Shot Dens (shots/m)	Current Status
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 30
Report Date: 3/19/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION					
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699			License No. EL 470
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60
JOB INFORMATION					
Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 20,251,383.86		
Objective New Ventures HZ Canol Formation completion					
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagarth	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY					
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50	
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36	
DAILY INFORMATION					
Report Start Date 3/19/2014 06:00	Report End Date 3/20/2014 06:00	Daily Cost Total (Cost) 98,655.99	Cumulative Cost (Cost) 15,570,865.47	Personnel Regular Hours (hr) 312.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714; On-site Sat Phone, 403					
Tubing Pressure (kPa) 3,803	Casing Pressure (kPa) 1,429	Weather Overcast	Temperature (°C) -14	Lease Condition Ice Pad / Snow Covered	
Last 24hr Summary Continued flowing the well to the testers. 0 = 65hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 62 hrs FLARE					
FTP: 5780 kPa, SICP: 5879 kPa, DHP=16979 kPa, Intermediate CSG = TSTM, Flow Temp:53 °c, Meter Run Temp: 48 °c, Choke size: 12.7 mm, Gas Rate: 33.28m³/d, Gas to Flare last 6 hrs: 7.82 E³m³, Cumulative Gas to Flare: 35.86E³m³, LFTR: 7919.81m³, LFR last hour: 8.02 m³, LFR last 6 hours: 47.71 m³ (hourly average last , 6hours = 7.95 m³/hr), TLFR: 555.01 m³, TLFLTR: 7364.80 m³, Oil rec. last hour: 0.00m³, Oil rec. last 6 hours: 0.14m³, Cumulative Oil rec: 00.65m³, Salinity: 28000 ppm, PH: 7, Sand: Trace, Surface Total =232.17 m³, Api = 58.8@15.6 C, Hrs Flowed = 65 HRS 30 MIN, H²S = 0.0 ppm					
24hr Forecast Continue To Flow Well to testers					
DAILY TIME LOG					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation	
06:00	06:00		P	WSS Shift Change	
06:00	06:30	0.50	P	Conduct PJHA meeting with day personnel, discuss hazards associated with flowing.	
06:30	12:00	5.50	P	12:00 = 47hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 44 hrs FLARE	
				FTP: 4306 kPa SICP: 2143 kPa DHP=17771.6 kPa Intermediate CSG = TSTM Flow Temp: 52 °c Meter Run Temp: 31 °c Choke size: 12.7 mm Gas Rate: 21.58 E³m³/d Gas to Flare last 6 hrs: 4.10 E³m³ Cumulative Gas to Flare: 17.21E³m³ LFTR: 7919.81m³ LFR last hour: 10.34 m³ LFR last 6 hours: 53.38 m³ (hourly average last 6 hours = 8.89 m³/hr) TLFR: 402.72 m³ TLFLTR: 7517.09 m³ Oil rec. last hour: 0.10m³ Oil rec. last 6 hours: 0.38m³ Cumulative Oil rec: 00.38m³ Salinity: 23000 ppm PH: 7 Sand: Trace Surface Total = 115.56 m³ Api = 56.3@15.6 C Hrs Flowed = 47 HRS 30 MIN H²S = 0.0 ppm	



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 30
Report Date: 3/19/2014
Final Job Status: ✓
Final Report? ✓

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Activity
12:00	18:00	6.00	P	18:00 = 53hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 50 hrs FLARE FTP: 4841 kPa SICP:3276 kPa DHP=17507.3 kPa Intermediate CSG = TSTM Flow Temp:53 °c Meter Run Temp: 49 °c Choke size: 12.7 mm Gas Rate:21.22 E ⁹ m ³ /d Gas to Flare last 6 hrs: 4.63 E ⁹ m ³ Cumulative Gas to Flare:21.84E ⁹ m ³ LFTR: 7919.81m ³ LFR last hour: 8.34 m ³ LFR last 6 hours: 48.17 m ³ (hourly average last 6 hours = 8.89 m ³ /hr) TLFR:450.89 m ³ TLFLTR: 7517.09 m ³ Oil rec. last hour: 0.00m ³ Oil rec. last 6 hours: 0.09m ³ Cumulative Oil rec: 0.47m ³ Salinity: 25000 ppm PH: 7 Sand: Trace Surface Total =161.58 m ³ Api = 56.3@15.6 C Hrs Flowed = 53 HRS 30 MIN H ₂ S = 0.0 ppm
18:00	18:00		P	WSS Shift Change
18:00	18:00		P	Conduct PJHA meeting with night personnel, discuss hazards associated with flowing procedures.
18:00	00:00	6.00	P	00:00 = 59hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 56 hrs FLARE FTP: 5342 kPa SICP: 4543 kPa DHP=17223 kPa Intermediate CSG = TSTM Flow Temp:53 °c Meter Run Temp: 49 °c Choke size: 12.7 mm Gas Rate:27.91 E ⁹ m ³ /d Gas to Flare last 6 hrs: 6.20 E ⁹ m ³ Cumulative Gas to Flare:28.04E ⁹ m ³ LFTR: 7919.81m ³ LFR last hour: 10.19 m ³ LFR last 6 hours: 56.41 m ³ (hourly average last 6 hours = 9.40 m ³ /hr) TLFR: 507.30 m ³ TLFLTR: 7412.51 m ³ Oil rec. last hour: 0.00m ³ Oil rec. last 6 hours: 0.04m ³ Cumulative Oil rec: 0.51m ³ Salinity: 28000 ppm PH: 7 Sand: Trace Surface Total =232.17 m ³ Api = 56.5@15.6 C Hrs Flowed = 59 HRS 30 MIN H ₂ S = 0.0 ppm



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 30
Report Date: 3/19/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
00:00	06:00	6.00	P	06:00 = 65hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 62 hrs FLARE FTP: 5780 kPa SICP: 5879 kPa DHP=16979 kPa Intermediate CSG = TSTM Flow Temp:53 °c Meter Run Temp: 48 °c Choke size: 12.7 mm Gas Rate: 33.28 E ³ m ³ /d Gas to Flare last 6 hrs: 7.82 E ³ m ³ Cumulative Gas to Flare: 35.86E ³ m ³ LFTR: 7919.81m ³ LFR last hour: 8.02 m ³ LFR last 6 hours: 47.71 m ³ (hourly average last 6 hours = 7.95 m ³ /hr) TLFR: 555.01 m ³ TLFLTR: 7364.80 m ³ Oil rec. last hour: 0.00m ³ Oil rec. last 6 hours: 0.14m ³ Cumulative Oil rec: 0.65m ³ Salinity: 28000 ppm PH: 7 Sand: Trace Surface Total =232.17 m ³ Api = 58.8@15.6 C Hrs Flowed = 65 HRS 30 MIN H ² S = 0.0 ppm
00	06:00		P	WSS Shift Change

JD SUMMARY

Fluid	To lease (m ³)	From lease (m ³)	To well (m ³)	From well (m ³)	Left to recover (m ³)
	0.00	0.00	0.00	0.00	
FRESH WATER			0.00	205.67	7,364.80
PRODUCED OIL			0.00	0.65	-0.65

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Maintain Road & Location	CANOL OILFIELD SERVICES INC	D230	1,715.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,495.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	21,037.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	T130	1,670.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,595.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	50.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	D230	6,914.50
Maintain Road & Location	HRN CONTRACTING LTD	Q300	500.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	T130	1,100.00
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	P100	1,000.00
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	T130	1,595.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	E120	16,680.12
Service Rig	NABORS PRODUCTION SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	M220	12,355.37
Welltesting (Eqpmnt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA	M220	18,370.00
Welltesting (Eqpmnt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP		

Daily Morning Report
COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 30
Report Date: 3/19/2014
Final Job Status: C
Final Report? Yes

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)				
CANOL, Original Hole	1,627.510				
PERFORATIONS					
Date	Zone	Top (mKB)	Blm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 31
Report Date: 3/20/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION					
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL. 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60
JOB INFORMATION					
Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION		Secondary Job Type RIGLESS	Total Field Estimate (Cost) 20,251,383.86	
Objective New Ventures HZ Canol Formation completion					
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY					
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50	
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36	
DAILY INFORMATION					
Report Start Date 3/20/2014 06:00	Report End Date 3/21/2014 06:00	Daily Cost Total (Cost) 311,010.32	Cumulative Cost (Cost) 15,881,875.79	Personnel Regular Hours (hr) 396.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714; On-site Sat Phone, 403				Rig RIGLESS, RIGLESS 1	
Tubing Pressure (kPa) 5,795	Casing Pressure (kPa) 5,920	Weather Clear	Temperature (°C) -10	Lease Condition Ice Pad / Snow Covered	
Last 24hr Summary Continued flowing the well to the testers.					
.0 = 89 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 86 hrs FLARE					
FTP: 6527 kPa, SICP: 11563 kPa, DHP= 16012 kPa, Intermediate CSG = TSTM, Flow Temp: 49 °c, Meter Run Temp: 42 °c, Choke size: 12.70 mm, Gas Rate: 60.70 , E³m³/d, Gas to Flare last 6 hrs: 14.63 E³m³, Cumulative Gas to Flare: 85.25E³m³, LFTTR: 7919.81m³, LFR last hour: 11.49 m³, LFR last 6 hours: 45.02 m³ (hourly , verage last 6 hours = 7.50 m³/hr), TLFR: 734.43 m³, TLFLTR: 7185.38 m³, Oil rec. last hour: 0.17m³, Oil rec. last 6 hours: 0.85m³, Cumulative Oil rec: 2.69m³, Salinity: 36000 ppm, PH: 7, Sand: Trace, Surface Total = 0 m³, Api = 60.1@15.6 C, Hrs Flowed = 89 HRS 30 MIN, H²S = 0.0 ppm					
24hr Forecast Continue To Flow Well to testers					
DAILY TIME LOG					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation	
06:00	06:00		P	WSS Shift Change	
06:00	06:30	0.50	P	Conduct Meeting with all personnel (day and night shifts), discuss tight hole operations due to unnecessary chatter around location and camp. Relay the message "don't tell, don't ask" to all services involved with past and present Operations. Release night crew and continue PJHA meeting with day personnel, discuss hazards associated with flowing / swabbing, proper purging, LEL monitoring and rigging in and out procedures.	



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 31
Report Date: 3/20/2014
Final Job Status: C
Final Report? ✓

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Activity
06:30	12:00	5.50	P	12:00 = 71hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 68 hrs FLARE FTP: 6222 kPa SICP: 7243 kPa DHP=16688.0 kPa Intermediate CSG = TSTM Flow Temp: 52 °c Meter Run Temp: 47 °c Choke size: 12.7 mm Gas Rate: 45.34 E ³ m ³ /d Gas to Flare last 6 hrs: 10.01 E ³ m ³ Cumulative Gas to Flare: 45.61E ³ m ³ LFTR: 7919.81m ³ LFR last hour: 6.97 m ³ LFR last 6 hours: 46.66 m ³ (hourly average last 6 hours =7.77 m ³ /hr) TLFR: 601.67 m ³ TLFLTR:7318.14 m ³ Oil rec. last hour: 0.00m ³ Oil rec. last 6 hours: 0.40m ³ Cumulative Oil rec: 00.67m ³ Salinity: 31000 ppm PH: 7 Sand: Trace Surface Total =182.08 m ³ Api = 60.25@15.6 C Hrs Flowed = 71 HRS 30 MIN H ₂ S = 0.0 ppm
12:00	13:00	1.00	P	Moved equipment that is not being used off location
13:00	18:00	5.00	P	18:00 = 77hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 74 hrs FLARE FTP: 6407 kPa SICP:8764 kPa DHP=16408.3 kPa Intermediate CSG = TSTM Flow Temp: 51 °c Meter Run Temp: 45 °c Choke size: 12.7mm Gas Rate:50.25 E ³ m ³ /d Gas to Flare last 6 hrs: 11.79 E ³ m ³ Cumulative Gas to Flare: 57.40E ³ m ³ LFTR: 7919.81m ³ LFR last hour:7.64 m ³ LFR last 6 hours45.95 m ³ (hourly average last 6 hours =7.68 m ³ /hr) TLFR: 647.62 m ³ TLFLTR:7272.19 m ³ Oil rec. last hour: 0.00m ³ Oil rec. last 6 hours:0.23m ³ Cumulative Oil rec:0.81m ³ Salinity: 34000 ppm PH: 7 Sand: Trace Surface Total =184.5 m ³ Api = 60.25@15.6 C Hrs Flowed = 77 HRS 30 MIN H ₂ S = 0.0 ppm
18:00	18:00		P	WSS Shift Change
18:00	18:30	0.50	P	Conduct Meeting with all personnel (day and night shifts), discuss tight hole operations due to unnecessary chatter around location and camp. Relay the message "don't tell, don't ask" to all services involved with past and present Operations. Release night crew and continue PJHA meeting with day personnel, discuss hazards associated with flowing / swabbing, proper purging, LEL monitoring and rigging in and out procedures.



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 31
Report Date: 3/20/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T. X	Operation
18:30	00:00	5.50	P	<p>00:00 = 83hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 80 hrs FLARE</p> <p>FTP: 6560 kPa SICP: 1024 kPa DHP= 16205 kPa Intermediate CSG = TSTM Flow Temp: 50 °c Meter Run Temp: 44 °c Choke size: 12.70 mm Gas Rate: 56.16 E³m³/d Gas to Flare last 6 hrs: 13.22 E³m³ Cumulative Gas to Flare: 70.62E³m³ LFTR: 7919.81m³ LFR last hour: 6.43 m³ LFR last 6 hours: 41.79 m³ (hourly average last 6 hours = 6.96 m³/hr) TLFR: 689.41 m³ TLFLTR: 7230.40 m³ Oil rec. last hour: 0.13m³ Oil rec. last 6 hours: 0.56m³ Cumulative Oil rec: 1.84 m³ Salinity: 36000 ppm PH: 7 Sand: Trace Surface Total = 228.24 m³ Api = 59.1@15.6 C Hrs Flowed = 83 HRS 30 MIN H²S = 0.0 ppm</p>
00:00	06:00	6.00	P	<p>06:00 = 89 hrs- 30min FLOWING HZ CANOL FOR CLEAN-UP / EVALUATION = 86 hrs FLARE</p> <p>FTP: 6527 kPa SICP: 11563 kPa DHP= 16012 kPa Intermediate CSG = TSTM Flow Temp: 49 °c Meter Run Temp: 42 °c Choke size: 12.70 mm Gas Rate: 60.70 E³m³/d Gas to Flare last 6 hrs: 14.63 E³m³ Cumulative Gas to Flare: 85.25E³m³ LFTR: 7919.81m³ LFR last hour: 11.49 m³ LFR last 6 hours: 45.02 m³ (hourly average last 6 hours = 7.50 m³/hr) TLFR: 734.43 m³ TLFLTR: 7185.38 m³ Oil rec. last hour: 0.17m³ Oil rec. last 6 hours: 0.85m³ Cumulative Oil rec: 2.69m³ Salinity: 36000 ppm PH: 7 Sand: Trace Surface Total = 0 m³ Api = 60.1@15.6 C Hrs Flowed = 89 HRS 30 MIN H²S = 0.0 ppm</p>
06:00	06:00		P	WWS Shift Change.

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
	0.00	0.00	0.00	0.00	
FRESH WATER	0.00	188.00	0.00	179.42	7,185.38
PRODUCED OIL			0.00	2.04	-2.69

Y COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Maintain Road & Location	CANOL OILFIELD SERVICES INC	D230	1,635.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,495.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	13,720.00



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 31
Report Date: 3/20/2014
Final Job Status: C
Final Report?

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	26,471.50
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	26,471.50
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	26,471.50
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	-21,645.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	20,980.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	T130	1,595.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	50.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	1,882.20
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	10,950.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	500.00
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	T130	1,100.00
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	P100	1,000.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	25,682.81
Completion Fluids & Other Chem	MYB CONSTRUCTION LTD	G300	25,682.81
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	24,852
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	24,852.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	24,669.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	24,669.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	5,690.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Completion Fluids & Other Chem	TERVITA CORP	G300	8,022.00
Welltesting (Eqmnt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	18,370.00

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.510

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing

Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 31
 Report Date: 3/20/2014
 Final Job Status: GAS
 Final Report? Yes

PERFORATIONS		Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
Date						
3/8/2014		CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014		CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014		CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014		CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014		CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014		CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014		CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014		CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014		CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014		CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014		CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014		CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 32
Report Date: 3/21/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45	API / UWI 200/D-020/L094P1699				
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 20,251,383.86
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Objective

New Ventures HZ Canol Formation completion

Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagarth	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36

DAILY INFORMATION

Report Start Date 3/21/2014 06:00	Report End Date 3/22/2014 06:00	Daily Cost Total (Cost) 101,449.00	Cumulative Cost (Cost) 15,983,324.79	Personnel Regular Hours (hr) 264.00
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Daily Contacts

WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theom LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714; On-site Sat Phone, 403

Rig
RIGLESS, RIGLESS 1

Tubing Pressure (kPa) 6,574	Casing Pressure (kPa) 11,598	Weather Clear	Temperature (°C) -23	Lease Condition Ice Pad / Snow Covered
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Last 24hr Summary

Continued to flow the well to the testers.

0 = 113 hrs-30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 110 hrs FLARE, , FTP: 7177 kPa, SICP: 12395 kPa, DHP= 15067
Intermediate CSG = TSTM, Flow Temp: 47 °c, Meter Run Temp: 37 °c, Choke size: 12.70 mm, Gas Rate: 77.58 E³m³/d, Gas to Flare last 6 hrs: 19.07 E³m³, cumulative Gas to Flare:156.08 E³m³, LFTR: 7919.81m³, LFR last hour: 4.56 m³, LFR last 6 hours: 29.81 m³ (hourly average last 6 hours = 4.96m³/hr), TLFR: 858.17M3, TLFLTR: 7061.64 m³, Oil rec. last hour: 0.16m³, Oil rec. last 6 hours: 0.95 m³, Cumulative Oil rec: 6.25 m³, Salinity: 42000 ppm, PH: 7, Sand: Trace, Surface Total = 344.56m³, Api = 59.8@15 C, Hrs Flowed = 113 HRS 30 MIN, H²S = 0.0 ppm, CO2= 1.8

24hr Forecast

Continue to flow the well to testers.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:00		P	WSS Shift Change
06:00	06:30	0.50	P	Conduct Meeting with all personnel (day and night shifts), discuss tight hole operations due to unnecessary chatter around location and camp. Relay the message "don't tell, don't ask" to all services involved with past and present Operations. Release night crew and continue PJHA meeting with day personnel, discuss hazards associated with flowing / proper purging, LEL monitoring



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 32
Report Date: 3/21/2014
Final Job Status: C
Final Report?

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:30	11:00	4.50	P	12:00 = 95 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 92 hrs FLARE FTP: 6789kPa SICP:12756 kPa DHP= 15762.3 kPa Intermediate CSG = TSTM Flow Temp: 49 °c Meter Run Temp: 41 °c Choke size: 12.70 mm Gas Rate:65.59 E³m³/d Gas to Flare last 6 hrs: 15.92 E³m³ Cumulative Gas to Flare:101.17 E³m³ LFTR: 7919.81m³ LFR last hour:6.33 m³ LFR last 6 hours: 27.41 m³ (hourly average last 6 hours =4.57 m³/hr) TLFR: 761.84 m³ TLFLTR:7157.97 m³ Oil rec. last hour:0.20m³ Oil rec. last 6 hours:0.79 m³ Cumulative Oil rec:3.48 m³ Salinity: 38000 ppm PH: 7 Sand: Trace Surface Total = 302.26 m³ Api = 60.1@15.6 C Hrs Flowed = 95 HRS 30 MIN H²S = 0.0 ppm CO2= 2.2%
11:00	12:00	1.00	P	Removed insulation from flow back line to testers, and removed steam lines from the flow back line as well
12:00	18:00	6.00	P	18:00 = 101 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 98 hrs FLARE FTP6971kPa SICP:12710 kPa DHP=15461 kPa Intermediate CSG = TSTM Flow Temp: 49 °c Meter Run Temp: 41 °c Choke size: 12.70 mm Gas Rate:72.66 E³m³/d Gas to Flare last 6 hrs: 17.41 E³m³ Cumulative Gas to Flare:118.58 E³m³ LFTR: 7919.81m³ LFR last hour:5.17 m³ LFR last 6 hours:33.59 m³ (hourly average last 6 hours =5.60 m³/hr) TLFR: 795.43 m³ TLFLTR:7157.97 m³ Oil rec. last hour:0.14m³ Oil rec. last 6 hours:0.85 m³ Cumulative Oil rec:4.33 m³ Salinity: 40000 ppm PH: 7 Sand: Trace Surface Total = 336.7 m³ Api = 60.1@15.6 C Hrs Flowed = 101 HRS 30 MIN H²S = 0.0 ppm CO2= 2.2%
18:00	18:00		P	WSS Shift Change
18:00	18:30	0.50	P	Held PJHA meeting with night personnel, discuss hazards associated with flowing the well.



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 32

Report Date: 3/21/2014

Final Job Status: GAS

Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	00:00	5.50	P	<p>00:00 = 107 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 104 hrs FLARE</p> <p>FTP: 7040 kPa SICP: 12542 kPa DHP= 15262 kPa Intermediate CSG = TSTM Flow Temp: 47 °c Meter Run Temp: 38 °c Choke size: 12.70 mm Gas Rate: 75.82 E³m³/d Gas to Flare last 6 hrs: 18.43 E³m³ Cumulative Gas to Flare: 137.01 E³m³ LFTR: 7919.81m³ LFR last hour: 6.09 m³ LFR last 6 hours: 32.93 m³ (hourly average last 6 hours = 5.48 m³/hr) TLFR: 828.36 m³ TLFLTR: 7091.45 m³ Oil rec. last hour: 0.16m³ Oil rec. last 6 hours: 0.97 m³ Cumulative Oil rec: 5.30 m³ Salinity: 42000 ppm PH: 7 Sand: Trace Surface Total = 336.7 m³ Api = 59.7@15 C Hrs Flowed = 107 HRS 30 MIN H₂S = 0.0 ppm CO₂= 2.2%</p>
00:00	06:00	6.00	P	<p>06:00 = 113 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 110 hrs FLARE</p> <p>FTP: 7177 kPa SICP: 12395 kPa DHP= 15067 kPa Intermediate CSG = TSTM Flow Temp: 47 °c Meter Run Temp: 37 °c Choke size: 12.70 mm Gas Rate: 77.58 E³m³/d Gas to Flare last 6 hrs: 19.07 E³m³ Cumulative Gas to Flare: 156.08 E³m³ LFTR: 7919.81m³ LFR last hour: 4.56 m³ LFR last 6 hours: 29.81 m³ (hourly average last 6 hours = 4.96m³/hr) TLFR: 858.17 m³ TLFLTR: 7061.64 m³ Oil rec. last hour: 0.16m³ Oil rec. last 6 hours: 0.95 m³ Cumulative Oil rec: 6.25 m³ Salinity: 42000 ppm PH: 7 Sand: Trace Surface Total = 344.56m³ Api = 59.8@15 C Hrs Flowed = 113 HRS 30 MIN H₂S = 0.0 ppm CO₂= 1.8</p>
06:00	06:00		P	WSS Shift Change

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	
JUCED OIL	0.00	56.80	0.00	123.74	7,061.64

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,495.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,290.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,290.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	27,700.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	9,310.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	T130	1,595.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	50.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	500.00
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	T130	1,100.00
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	P100	1,000.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	WEATHERFORD CANADA	Q300	15,225.00
Welltesting (Eqmnt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	17,620.00

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.510

PERFORATIONS

Date	Zone	Top (mKB)	Blm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing

FORATIONS					
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 33
Report Date: 3/22/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION					
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60
JOB INFORMATION					
Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS		Total Field Estimate (Cost) 20,251,383.86	
Objective New Ventures HZ Canol Formation completion					
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagarth	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY					
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50	
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36	
DAILY INFORMATION					
Report Start Date 3/22/2014 06:00	Report End Date 3/23/2014 06:00	Daily Cost Total (Cost) 82,106.00	Cumulative Cost (Cost) 16,065,430.79	Personnel Regular Hours (hr) 288.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714; On-site Sat Phone, 403				Rig RIGLESS, RIGLESS 1	
Tubing Pressure (kPa) 7,180	Casing Pressure (kPa) 12,358	Weather Clear	Temperature (°C) -20	Lease Condition Ice Pad / Snow Covered	
Last 24hr Summary Continued to flow the well to the testers. T0 = 137 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 134 hrs FLARE, FTP: 7320 kPa, SICP: 11726 kPa, DHP= 14240 kPa, Immediate CSG = TSTM, Flow Temp: 45 °C, Meter Run Temp: 33 °C, Choke size: 12.7mm, Gas Rate 90.02 E³m³/d, Gas to Flare last 6 hrs: 22.03 E³m³, Cumulative Gas to Flare: 240.13 E³m³, LFTR: 7919.81 m³, LFR last hour: 4.53 m³, LFR last 6 hours: 26.94 m³ (hourly average last 6 hours = 4.49 m³/hr), TLFR: 975.5 m³, TLFLTR: 6944.31 m³, Oil rec. last hour: 0.18 m³, Oil rec. last 6 hours: 1.17 m³, Cumulative Oil rec: 10.80 m³, Salinity: 45000 ppm, PH: 7, Sand: Trace, Surface Total = 405.5 m³, Api = 60.3@15.6 C, Hrs Flowed = 137 HRS 30 MIN, H²S = 0.0 ppm, CO2= 2.0%					
24hr Forecast Continue to flow the well to testers.					
DAILY TIME LOG					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation	
06:00	06:00		P	WSS Shift Change	
06:00	06:30	0.50	P	Conduct Meeting with all personnel (day and night shifts), discuss tight hole operations due to unnecessary chatter around location and camp. Relay the message "don't tell, don't ask" to all services involved with past and present Operations. Release night crew and continue PJHA meeting with day personnel, discuss hazards associated with flowing / proper purging, LEL monitoring	

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:30	12:00	5.50	P	<p>12:00 = 119 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 116 hrs FLARE</p> <p>FTP: 7117 kPa SICP: 12208 kPa DHP= 14785.4 kPa Intermediate CSG = TSTM Flow Temp: 46 °c Meter Run Temp: 36 °c Choke size: 12.7mm Gas Rate: 83.70 E³m³/d Gas to Flare last 6 hrs: 19.88 E³m³ Cumulative Gas to Flare: 175.96E³m³ LFTR: 7919.81m³ LFR last hour: 4.82m³ LFR last 6 hours: 33.13 m³ (hourly average last 6 hours = 5.52m³/hr) TLFR:889.3 m³ TLFLTR:7030.51 m³ Oil rec. last hour: 0.17m³ Oil rec. last 6 hours: 1.09 m³ Cumulative Oil rec: 7.34 m³ Salinity: 44000 ppm PH: 7 Sand: Trace Surface Total = 376.78m³ Api = 59.8@15 C Hrs Flowed = 119 HRS 30 MIN H₂S = 0.0 ppm CO2= 2.0%</p>
12:00	18:00	6.00	P	<p>18:00 = 125 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 122 hrs FLARE</p> <p>FTP: 7239 kPa SICP: 12025 kPa DHP= 14616.1 kPa Intermediate CSG = TSTM Flow Temp: 46 °c Meter Run Temp: 34 °c Choke size: 12.7mm Gas Rate: 83.58 E³m³/d Gas to Flare last 6 hrs: 20.66 E³m³ Cumulative Gas to Flare: 196.62E³m³ LFTR: 7919.81m³ LFR last hour: 5.45m³ LFR last 6 hours: 30.88 m³ (hourly average last 6 hours = 5.15m³/hr) TLFR:920 m³ TLFLTR:6999.63 m³ Oil rec. last hour: 0.21m³ Oil rec. last 6 hours: 1.17 m³ Cumulative Oil rec: 7.97 m³ Salinity: 46000 ppm PH: 7 Sand: Trace Surface Total = 378.83m³ Api = 59.8@15 C Hrs Flowed = 125 HRS 30 MIN H₂S = 0.0 ppm CO2= 2.2%</p>
18:00	18:00	0.00	P	WSS Shift Change
18:00	18:30	0.50	P	Held PJHA meeting with night personnel, discuss hazards associated with flowing the well.

Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 33
 Report Date: 3/22/2014
 Final Job Status: GAS
 Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	00:00	5.50	P	<p>00:00 = 131 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 128 hrs FLARE</p> <p>FTP: 7303 kPa SICP: 11883 kPa DHP= 14423 kPa Intermediate CSG = TSTM Flow Temp: 46 °c Meter Run Temp: 34 °c Choke size: 12.7mm Gas Rate:87.05 E³m³/d Gas to Flare last 6 hrs: 21.9 E³m³ Cumulative Gas to Flare:218.10E³m³ LFTR: 7919.81m³ LFR last hour: 4.51m³ LFR last 6 hours: 28.38 m³ (hourly average last 6 hours = 4.73m³/hr) TLFR: 948.56 m³ TLFLTR:6971.25 m³ Oil rec. last hour: 0.17m³ Oil rec. last 6 hours:1.12 m³ Cumulative Oil rec:9.63 m³ Salinity: 46000 ppm PH: 7 Sand: Trace Surface Total = 377.39m³ Api = 61.9@15.6 C Hrs Flowed = 131 HRS 30 MIN H₂S = 0.0 ppm CO2= 2.2%</p>
0	06:00	6.00	P	<p>06:00 = 137 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 134 hrs FLARE</p> <p>FTP: 7320 kPa SICP: 11726 kPa DHP= 14240 kPa Intermediate CSG = TSTM Flow Temp: 45 °c Meter Run Temp: 33 °c Choke size: 12.7mm Gas Rate:90.02 E³m³/d Gas to Flare last 6 hrs: 22.03 E³m³ Cumulative Gas to Flare:240.13E³m³ LFTR: 7919.81m³ LFR last hour: 4.53m³ LFR last 6 hours: 26.94 m³ (hourly average last 6 hours = 4.49m³/hr) TLFR:975.5 m³ TLFLTR:6944.31 m³ Oil rec. last hour: 0.18m³ Oil rec. last 6 hours:1.17 m³ Cumulative Oil rec:10.80m³ Salinity: 45000 ppm PH: 7 Sand: Trace Surface Total = 405.5m³ Api = 60.3@15.6 C Hrs Flowed = 137 HRS 30 MIN H₂S = 0.0 ppm CO2= 2.0%</p>
06:00	06:00		P	WSS Shift Change

FLUID SUMMARY

Fluid	To lease (m ³)	From lease (m ³)	To well (m ³)	From well (m ³)	Left to recover (m ³)
	0.00	0.00	0.00	0.00	
SH WATER	0.00	60.94	0.00	117.33	6,944.31
REDUCED OIL			0.00	4.55	-10.80

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00

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COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 33
 Report Date: 3/22/2014
 Final Job Status: C
 Final Report?

DAILY COST			
BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	30,830.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	T130	1,595.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	500.00
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	T130	1,100.00
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	P100	1,000.00
Wellsite Supervision & Engineering	MJS WELLSITE SUPERVISION LTD	T130	1,595.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Maintain Road & Location	SAHTU BUILDING SUPPLIES	D230	3,030.32
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	19,756.68

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing

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COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 33
Report Date: 3/22/2014
Final Job Status: GAS
Final Report? Yes

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 34
Report Date: 3/23/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION					
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60
JOB INFORMATION					
Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 20,251,383.86		
Objective New Ventures HZ Canol Formation completion					
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY					
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50	
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36	
DAILY INFORMATION					
Report Start Date 3/23/2014 06:00	Report End Date 3/24/2014 06:00	Daily Cost Total (Cost) 146,991.14	Cumulative Cost (Cost) 16,212,421.93	Personnel Regular Hours (hr) 300.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714; On-site Sat Phone, 403				Rig RIGLESS, RIGLESS 1	
Tubing Pressure (kPa) 7,375	Casing Pressure (kPa) 11,704	Weather Clear	Temperature (°C) -20	Lease Condition Ice Pad / Snow Covered	
Last 24hr Summary					
Continued to flow the well to the testers. 70 = 161 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 158 hrs FLARE, FTP: 7277 kPa, SICP: 11290 kPa, DHP= 13690 kPa, Intermediate CSG = TSTM, Flow Temp: 45 °C, Meter Run Temp: 32 °C, Choke size: 12.7mm, Gas Rate: 90.05 E ⁹ m ³ /d, Gas to Flare last 6 hrs: 22.40E ⁹ m ³ , Cumulative Gas to Flare: 329.49E ⁹ m ³ , LFT: 7919.81m ³ , LFR last hour: 5.09 m ³ , LFR last 6 hours: 23.29m ³ (hourly average last 6 hours = 3.88 m ³ /hr), TLFR: 1078.71 m ³ , TLFLTR: 6841.10 m ³ , Oil rec. last hour: 0.25m ³ , Oil rec. last 6 hours: 1.08 m ³ , Cumulative Oil rec: 15.35m ³ , Salinity: 48000 ppm, PH: 7, Sand: Trace, Surface Total = 438.26m ³ , Api = 60.5@15.6 C, Hrs Flowed = 161 HRS 30 MIN, H ₂ S = 0.0 ppm, CO ₂ = 2.0%.					
24hr Forecast					
Continue to flow the well to testers.					
DAILY TIME LOG					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation	
06:00	06:00	P	WSS Shift Change		
06:00	06:30	0.50	P	Conduct Meeting with all personnel (day and night shifts), discuss tight hole operations due to unnecessary chatter around location and camp. Relay the message "don't tell, don't ask" to all services involved with past and present Operations. Release night crew and continue PJHA meeting with day personnel, discuss hazards associated with flowing / proper purging, LEL monitoring	



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 34
Report Date: 3/23/2014
Final Job Status: C
Final Report? \

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Comments
06:30	12:00	5.50	P	12:00 = 143 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 140 hrs FLARE Operation FTP: 7293 kPa SICP: 11578 kPa DHP=14054.4 kPa Intermediate CSG = TSTM Flow Temp: 45 °c Meter Run Temp: 32 °c Choke size: 12.7mm Gas Rate:90.63 E³m³/d Gas to Flare last 6 hrs: 22.45 E³m³ Cumulative Gas to Flare:262.58E³m³ LFTR: 7919.81m³ LFR last hour: 4.31m³ LFR last 6 hours:28.22m³ (hourly average last 6 hours = 4.7m³/hr) TLFR:1003.72 m³ TLFLTR:6916.09 m³ Oil rec. last hour: 0.18m³ Oil rec. last 6 hours:1.23 m³ Cumulative Oil rec:12.03m³ Salinity: 48000 ppm PH: 7 Sand: Trace Surface Total = 384.95m³ Api = 60.3@15.6 C Hrs Flowed = 143 HRS 30 MIN H²S = 0.0 ppm CO2= 1.8%
12:00	18:00	6.00	P	18:00 = 149 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 146 hrs FLARE Operation FTP: 7529kPa SICP: 11503 kPa DHP=13911.7 kPa Intermediate CSG = TSTM Flow Temp: 46 °c Meter Run Temp: 33 °c Choke size: 12.7mm Gas Rate:86.76 E³m³/d Gas to Flare last 6 hrs: 22.39 E³m³ Cumulative Gas to Flare:284.97E³m³ LFTR:7919.81m³ LFR last hour: 4.86m³ LFR last 6 hours:27.95m³ (hourly average last 6 hours = 4.66m³/hr) TLFR:1031.67 m³ TLFLTR:6888.14 m³ Oil rec. last hour: 0.19m³ Oil rec. last 6 hours:1.20 m³ Cumulative Oil rec:13.23m³ Salinity: 50000 ppm PH: 7 Sand: Trace Surface Total =389.10m³ Api = 60.3@15.6 C Hrs Flowed = 149 HRS 30 MIN H²S = 0.0 ppm CO2= 2.1%
18:00	18:00		P	WSS Shift Change
18:00	18:30	0.50	P	Held PJHA meeting with night personnel, discuss hazards associated with flowing the well.



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Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	00:00	5.50	P	<p>00:00 = 155 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 152 hrs FLARE</p> <p>FTP: 7487 kPa SICP: 11393 kPa DHP= 13791 kPa Intermediate CSG = TSTM Flow Temp: 46 °c Meter Run Temp: 33 °c Choke size: 12.7mm Gas Rate: 86.03 E³m³/d Gas to Flare last 6 hrs: 22.12 E³m³ Cumulative Gas to Flare: 307.09E³m³ LFTR: 7919.81 m³ LFR last hour: 4.45m³ LFR last 6 hours: 23.75m³ (hourly average last 6 hours = 3.95 m³/hr) TLFR: 1055.42 m³ TLFLTR: 6864.39 m³ Oil rec. last hour: 0.18 m³ Oil rec. last 6 hours: 1.04 m³ Cumulative Oil rec: 14.27 m³ Salinity: 46000 ppm PH: 7 Sand: 0 Surface Total = 413.89 m³ Api = 59.6@15.6 C Hrs Flowed = 155 HRS 30 MIN H₂S = 0.0 ppm CO2= 2.1%</p>
0	06:00	6.00	P	<p>06:00 = 161 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 158 hrs FLARE</p> <p>FTP: 7277 kPa SICP: 11290 kPa DHP= 13690 kPa Intermediate CSG = TSTM Flow Temp: 45 °c Meter Run Temp: 32 °c Choke size: 12.7mm Gas Rate: 90.05 E³m³/d Gas to Flare last 6 hrs: 22.40E³m³ Cumulative Gas to Flare: 329.49E³m³ LFTR: 7919.81m³ LFR last hour: 5.09 m³ LFR last 6 hours: 23.29m³ (hourly average last 6 hours = 3.88 m³/hr) TLFR: 1078.71 m³ TLFLTR: 6841.10 m³ Oil rec. last hour: 0.25m³ Oil rec. last 6 hours: 1.08 m³ Cumulative Oil rec: 15.35m³ Salinity: 48000 ppm PH: 7 Sand: Trace Surface Total = 438.26m³ Api = 60.5@15.6 C Hrs Flowed = 161 HRS 30 MIN H₂S = 0.0 ppm CO2= 2.0%</p>
06:00	06:00		P	WSS Shift Change

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
	0.00	0.00	0.00	0.00	
SH WATER	0.00	102.42	0.00	103.21	6,841.10
REDUCED OIL			0.00	4.55	-15.35

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00

Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 34
 Report Date: 3/23/2014
 Final Job Status: C
 Final Report? Yes

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	17,110.00
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	CORE LABORATORIES CANADA LTD	M220	12,050.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	215.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	T130	1,595.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	29,428.40
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	23,939.40
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	8,270.59
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	500.00
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	T130	1,100.00
Trucking/Hauling/ Hot Shot Services	MCKAY EXPEDITING AND LOGISTICS LTD	P100	1,000.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	27,548.10

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.510

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing

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COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 34
Report Date: 3/23/2014
Final Job Status: GAS
Final Report? Yes

PERFORATIONS					
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing





Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 35
Report Date: 3/24/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION						
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code	
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470		
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00	PBTD (All) (mKB) Original Hole - 3,129.60
JOB INFORMATION						
Job Category COMPLETIONS		Primary Job Type INITIAL COMPLETION		Secondary Job Type RIGLESS		Total Field Estimate (Cost) 20,251,383.86
Objective New Ventures HZ Canol Formation completion						
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved		Responsible Grp 2 lagarth	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY						
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50		
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36		
DAILY INFORMATION						
Report Start Date 3/24/2014 06:00	Report End Date 3/25/2014 06:00	Daily Cost Total (Cost) 163,368.82	Cumulative Cost (Cost) 16,375,790.75	Personnel Regular Hours (hr) 372.00		
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714; On-site Sat Phone, 403						
Tubing Pressure (kPa) 7,380	Casing Pressure (kPa) 11,573	Weather Clear	Temperature (°C) -18	Lease Condition Ice Pad / Snow Covered		
Last 24hr Summary Continued to flow the well to the testers.						
0 = 185 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 182 hrs FLARE,FTP: 6879 kPa, SICP: 10944 kPa, DHP= 13216 kPa, Intermediate CSG = TSTM, Flow Temp: 44 °C, Meter Run Temp: 30 °C, Choke size: 12.7mm, Gas Rate: 92.07 E³m³/d, Gas to Flare last 6 hrs:22.59 E³m³, Cumulative Gas to Flare:419.82 E³m³, LFTF:7919.81m³LFR, LFR last hour:3.45 m³, LFR last 6 hours:20.68 m³ (hourly average last 6 hours =3.44 m³/hr), TLFR: Trace, Surface Total = 428.23 m³, Api = 59.5@15.6 C, Hs Flowed = 185 HRS 30 MIN, H²S = 0.10 ppm, CO2= 2%						
24hr Forecast Continue to flow the well to testers.						
DAILY TIME LOG						
Start Time	End Time	Dur (hr)	Time P-T-X	Operation		
06:00	06:00		P	WSS Shift Change		
06:00	06:30	0.50	P	Conduct Meeting with all personnel (day and night shifts), discuss tight hole operations due to unnecessary chatter around location and camp. Relay the message "don't tell, don't ask" to all services involved with past and present Operations. Release night crew and continue PJHA meeting with day personnel, discuss hazards associated with flowing / proper purging, LEL monitoring		



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 35
Report Date: 3/24/2014
Final Job Status: C
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:30	12:00	5.50	P	12:00 = 167 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 164 hrs FLARE FTP: 7246 kPa SICP: 11212 kPa DHP= 13517kPa Intermediate CSG = TSTM Flow Temp: 45 °c Meter Run Temp: 32 °c Choke size: 12.7mm Gas Rate: 89.17 E ⁹ m ³ /d Gas to Flare last 6 hrs:22.55E ⁹ m ³ Cumulative Gas to Flare: 352.04E ⁹ m ³ LFTR: 7919.81m ³ LFR LFR last hour: 4.02 m ³ LFR last 6 hours:24.43m ³ (hourly average last 6 hours =4.07 m ³ /hr) TLFR: 1103.14 m ³ TLFLTR: 6816.67 m ³ Oil rec. last hour: 0.19m ³ Oil rec. last 6 hours: 1.16 m ³ Cumulative Oil rec:16.51m ³ Salinity: 50000 ppm PH: 7 Sand: Trace Surface Total = 386.77m ³ Api = 60.5@15.6 C Hrs Flowed = 167 HRS 30 MIN H ₂ S = 0.0 ppm CO2= 1.8%
12:00	18:00	6.00	P	18:00 = 173 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 170 hrs FLARE FTP: 7014kPa SICP: 11096kPa DHP= 13341.2kPa Intermediate CSG = TSTM Flow Temp: 44 °c Meter Run Temp: 31 °c Choke size: 12.7mm Gas Rate: 90.71 E ⁹ m ³ /d Gas to Flare last 6 hrs:22.60E ⁹ m ³ Cumulative Gas to Flare:374.64E ⁹ m ³ LFTR:7919.81m ³ LFR LFR last hour:3.72m ³ LFR last 6 hours:22.18m ³ (hourly average last 6 hours =3.7 m ³ /hr) TLFR: 1125.32 m ³ TLFLTR:6794.49 m ³ Oil rec. last hour: 0.19m ³ Oil rec. last 6 hours: 1.04 m ³ Cumulative Oil rec:17.55m ³ Salinity: 50000 ppm PH: 7 Sand: Trace Surface Total = 384.99m ³ Api = 59.9@15.6 C Hrs Flowed = 173 HRS 30 MIN H ₂ S = 0.0 ppm CO2= 2%
18:00	18:00		P	WSS Shift Change
18:00	18:30	0.50	P	Held PJHA meeting with night personnel, discuss hazards associated with flowing the well.



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 35
Report Date: 3/24/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur. (hr)	Time P-T-X	Operation
18:30	00:00	5.50	P	<p>00:00 = 179 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 176 hrs FLARE</p> <p>FTP: 6859 kPa SICP: 10996 kPa DHP= 13358 kPa Intermediate CSG = TSTM Flow Temp: 43 °c Meter Run Temp: 29 °c Choke size: 12.7mm Gas Rate: 90.73 E³m³/d Gas to Flare last 6 hrs:22.59E³m³ Cumulative Gas to Flare:397.23E³m³ LFTR:7919.81m³LFR LFR last hour:3.84m³ LFR last 6 hours:20.25m³ (hourly average last 6 hours =3.37 m³/hr) TLFR: 1145.56 m³ TLFLTR:6774.25 m³ Oil rec. last hour: 0.21 m³ Oil rec. last 6 hours: 1.12 m³ Cumulative Oil rec:18.67 m³ Salinity: 50000 ppm PH: 7 Sand: none Surface Total = 406.35m³ Api = 59.7@15.6 C Hrs Flowed = 179 HRS 30 MIN H²S = 0.0 ppm CO2= 2%</p>
06:00	06:00	6.00	P	<p>06:00 = 185 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 182 hrs FLARE</p> <p>FTP: 6879 kPa SICP: 10944 kPa DHP= 13216 kPa Intermediate CSG = TSTM Flow Temp: 44 °c Meter Run Temp: 30 °c Choke size: 12.7mm Gas Rate: 92.07 E³m³/d Gas to Flare last 6 hrs:22.59 E³m³ Cumulative Gas to Flare:419.82 E³m³ LFTR:7919.81m³LFR LFR last hour:3.45 m³ LFR last 6 hours:20.68 m³ (hourly average last 6 hours =3.44 m³/hr) TLFR: 1166.24 m³ TLFLTR:6753.57 m³ Oil rec. last hour: 0.19m³ Oil rec. last 6 hours: 1.20 m³ Cumulative Oil rec:19.87 m³ Salinity: 50000 ppm PH: 7 Sand: Trace Surface Total = 428.23 m³ Api = 59.5@15.6 C Hrs Flowed = 185 HRS 30 MIN H²S = 0.10 ppm CO2= 2%</p>
06:00	06:00		P	WSS Shift Change.

FLUID SUMMARY

Fluid	To lease (m ³)	From lease (m ³)	To well (m ³)	From well (m ³)	Left to recover (m ³)
	0.00	0.00	0.00	0.00	
SH WATER	0.00	74.66	0.00	87.54	6,753.56
REDUCED OIL			0.00	4.52	-19.87

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,000.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00

Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 35
 Report Date: 3/24/2014
 Final Job Status: C
 Final Report? 1

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	Q300	215.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	T130	1,670.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	T130	1,595.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	400.00
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	T130	500.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,100.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,595.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	T130	1,595.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	Q300	600.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	24,529.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	26,184.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	26,184.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	G300	26,184.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	G300	2,515.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15
Completion Fluids & Other Chem	TERVITA CORP	Q300	15.00
Welltesting (Eqpmnt,Srvcs,PTA,Govt Subs)	WEATHERFORD CANADA PARTNERSHIP	G300	1,508.00
CUMULATIVE JOB FLARED GAS BY ZONE		M220	25,180.82

Zone

Zone	Volume Gas Total (E3m³)	
CANOL, Original Hole		1,627.510

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing

Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 35
 Report Date: 3/24/2014
 Final Job Status: GAS
 Final Report? Yes

PERFORATIONS

Date	Zone	Top (mKB)	Blm (mKB)	Shot Dens (shots/m)	Current Status
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 36
 Report Date: 3/25/2014
 Final Job Status: GAS
 Final Report? Yes

WELL HEADER INFORMATION					
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60
JOB INFORMATION					
Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 20,251,383.86		
Objective New Ventures HZ Canol Formation completion					
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY					
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50	
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36	
DAILY INFORMATION					
Report Start Date 3/25/2014 06:00	Report End Date 3/26/2014 06:00	Daily Cost Total (Cost) 68,553.68	Cumulative Cost (Cost) 16,444,344.43	Personnel Regular Hours (hr) 300.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714; On-site Sat Phone, 403				Rig RIGLESS, RIGLESS 1	
Tubing Pressure (kPa) 6,939	Casing Pressure (kPa) 10,858	Weather Clear	Temperature (°C) -16	Lease Condition Ice Pad / Snow Covered	
Last 24hr Summary Continue to Flow well to Weatherford testers. Well flowing on a 12.70mm choke, monitoring gas rates ensuring not to exceed 283e ⁹ m ³ /d gas rate (as per NEB). e water/gas/oil sample as per schedule by AGAT, send time sensitive samples in via MXL. Take Protecronics tracer sample at 12:00 (taken by Weatherford). 0 = 209 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 206 hrs FLARE					
24hr Forecast Continue to flow the well to testers.					
DAILY TIME LOG					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation	
06:00	06:00		P	WSS handover and shift change	
06:00	06:30	0.50	P	Conduct Meeting with all day shift personnel, review PJHA, discuss hazards associated with flowing / proper purging, LEL monitoring, loading and offloading flow back water.	

Daily Morning Report
COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 36
Report Date: 3/25/2014
Final Job Status: C
Final Report? \

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:30	12:00	5.50	P	<p>12:00 = 191 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 188 hrs FLARE</p> <p>FTP: 6939 kPa SICP: 10858 kPa DHP= 13069.2 kPa Intermediate CSG = TSTM Flow Temp: 43 °c Meter Run Temp: 30 °c Choke size: 12.7mm Gas Rate: 92.94 E³m³/d Gas to Flare last 6 hrs:22.76E³m³ Cumulative Gas to Flare: 442.58E³m³ ILFTR: 7919.81m³ LFR last hour: 3.61 m³ LFR last 6 hours:21.08m³ (hourly average last 6 hours =3.51 m³/hr) TLFR: 1187.32 m³ TLFLTR: 6732.49 m³ Oil rec. last hour: 0.21m³ Oil rec. last 6 hours: 1.14 m³ Cumulative Oil rec:21.01m³ Salinity: 52000 ppm PH: 7 Sand: 0 Surface Total = 402.04m³ Api = 59.9@15.6 C Hrs Flowed = 191 HRS 30 MIN H₂S = 0.10 ppm CO2= 2%</p>
12:00	18:00	6.00	P	<p>18:00 = 197 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 194 hrs FLARE</p> <p>FTP: 6791 kPa SICP: 10773 kPa DHP= 13024.3 kPa Intermediate CSG = TSTM Flow Temp: 43 °c Meter Run Temp: 30 °c Choke size: 12.7mm Gas Rate: 92.84 E³m³/d Gas to Flare last 6 hrs:22.85E³m³ Cumulative Gas to Flare: 465.43E³m³ ILFTR: 7919.81m³ LFR last hour: 2.93 m³ LFR last 6 hours:18.43m³ (hourly average last 6 hours =3.07 m³/hr) TLFR: 1205.75 m³ TLFLTR: 6714.06 m³ Oil rec. last hour: 0.16m³ Oil rec. last 6 hours: 0.99 m³ Cumulative Oil rec:22.00m³ Salinity: 48000 ppm PH: 7 Sand: 0 Surface Total = 396.17m³ Api = 59.9@15.6 C Hrs Flowed = 191 HRS 30 MIN H₂S = 0.10 ppm CO2= 1.2%</p>
18:00	18:00		P	WSS handover and shift change
18:00	18:30	0.50	P	Conduct Meeting with all personnel (day and night shifts), discuss tight hole operations due to unnecessary chatter around location and camp. Relay the message "don't tell, don't ask" to all services involved with past and present Operations. Release day crew and continue PJHA meeting with night personnel, discuss hazards associated with flowing / proper purging, LEL monitoring

Daily Morning Report
COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 36
Report Date: 3/25/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	00:00	5.50	P	<p>00:00 = 203 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 200 hrs FLARE</p> <p>FTP: 6976 kPa SICP: 10704 kPa DHP= 12920 kPa Intermediate CSG = TSTM Flow Temp: 43 °c Meter Run Temp: 29 °c Choke size: 12.7mm Gas Rate: 92.01 E³m³/d Gas to Flare last 6 hrs:22.66E³m³ Cumulative Gas to Flare: 488.09E³m³ ILFTR: 7919.81m³ LFR last hour:3.32 m³ LFR last 6 hours:19.73m³ (hourly average last 6 hours =3.28 m³/hr) TLFR: 1225.48m³ TLFLTR:6694.33 m³ Oil rec. last hour: 0.18m³ Oil rec. last 6 hours: 1.1 m³ Cumulative Oil rec:23.1Xm³ Salinity: 49000 ppm PH: 7 Sand: 0 Surface Total = 417.09m³ Api = 59.8@15.6 C Hrs Flowed = 203 HRS 30 MIN H²S = 0.20 ppm CO2= 1.8%</p>
0	06:00	6.00	P	<p>06:00 = 209 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 206 hrs FLARE</p> <p>FTP: 6977 kPa SICP: 10636kPa DHP= 12843 kPa Intermediate CSG = TSTM Flow Temp: 43 °c Meter Run Temp: 29 °c Choke size: 12.7mm Gas Rate: 90.71 E³m³/d Gas to Flare last 6 hrs:22.82E³m³ Cumulative Gas to Flare: 510.91E³m³ ILFTR: 7919.81m³ LFR last hour: 3.18 m³ LFR last 6 hours:18.91m³ (hourly average last 6 hours =3.15m³/hr) TLFR: 1244.39m³ TLFLTR:6675.42 m³ Oil rec. last hour: 0.19m³ Oil rec. last 6 hours: 1.13 m³ Cumulative Oil rec:24.23m³ Salinity: 49000 ppm PH: 7 Sand: 0 Surface Total = 437.13m³ Api = 59.7@15.6 C Hrs Flowed = 209 HRS 30 MIN H²S = 0.20 ppm CO2= 1.9%</p>

FLUID SUMMARY

Fluid	To lease (m ³)	From lease (m ³)	To well (m ³)	From well (m ³)	Left to recover (m ³)
FRESH WATER	0.00	0.00	0.00	0.00	6,675.42
REDUCED OIL	0.00	73.61	0.00	78.14	-24.23

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,000.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	5,030.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,050.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	Q300	215.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	T130	1,670.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	T130	1,595.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	400.00
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	Q300	500.00
Surface Completion Equipment Rental	MCCLELLAND OILFIELD RENTALS LTD	T130	1,100.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	Q300	4,351.48
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	T130	1,595.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Completion Fluids & Other Chem	TERVITA CORP	Q300	15.00
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	G300	4,520.00
CUMULATIVE JOB FLARED GAS BY ZONE		M220	25,163.20

Zone

Zone	Volume Gas Total (E3m³)	1,627.510
CANOL, Original Hole		

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing

Daily Morning Report
COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 36
Report Date: 3/25/2014
Final Job Status: GAS
Final Report? Yes

PERFORATIONS		Zone	Top (mKB)	Blm (mKB)	Shot Dens (shots/m)	Current Status
Date						
3/9/2014		CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014		CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 37
Report Date: 3/26/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION						
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code	
Surface Legal Location P-20 65-00 126-45			API / UWI 200/D-020/L094P1699	License No. EL 470		
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00	PBTD (All) (mKB) Original Hole - 3,129.60
JOB INFORMATION						
Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION		Secondary Job Type RIGLESS		Total Field Estimate (Cost) 20,251,383.86	
Objective New Ventures HZ Canol Formation completion						
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagarth	Responsible Grp 3 Chris Kendall	
AFE COST SUMMARY						
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50		
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36		
DAILY INFORMATION						
Report Start Date 3/26/2014 06:00	Report End Date 3/27/2014 06:00	Daily Cost Total (Cost) 848,750.23	Cumulative Cost (Cost) 17,293,094.66	Personnel Regular Hours (hr) 240.00		
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714	Rig RIGLESS, RIGLESS 1					
Tubing Pressure (kPa) 6,976	Casing Pressure (kPa) 10,704	Weather Clear	Temperature (°C) -17	Lease Condition Ice Pad / Snow Covered		
Last 24hr Summary Continue to Flow well to Weatherford testers. Well flowing on a 12.70mm choke, monitoring gas rates ensuring not to exceed 283e³m³/d gas rate (as per NEB). 10 = 233 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 230 hrs FLARE						
FTP:6589 kPaSICP: 10325kPaDHP= 12487 kPaIntermediate CSG = TSTMFlow Temp: 42 °cMeter Run Temp: 28 °cChoke size: 12.7mmGas Rate:94.74 E³m³/dGas to Flare last 6 hrs:23.70E³m³Cumulative Gas to Flare: 603.49E³m³ILFTR: 7919.81m³LFR last hour: 3.18 m³LFR last 6 hours:17.25m³ (hourly average last 6 hours =2.87m³/hr)TLFLTR:1315.59m³TLFLTR:6604.22 m³Oil rec. last hour: 0.18m³Oil rec. last 6 hours:1.07 m³Cumulative Oil rec:28.57m³Salinity: 56000 ppmPH: 7Sand: 0Surface Total = 388.67m³Api = 60.9@15.6 CHrs Flowed = 233 HRS 30 MINH²S = 0.20 ppmCO2= 1.8%						
24hr Forecast Continue to flow the well to testers.						
DAILY TIME LOG						
Start Time	End Time	Dur (hr)	Time P-T-X	Operation		
06:00	06:00		P	WSS Shift change and handover.		
06:00	06:30	0.50	P	Conduct Pre-job safety meeting with all personnel, review PJHA and discuss hazards associated with flowing well, loading and offloading fluids, sampling and working with steam.		



Daily Morning Report COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 37
Report Date: 3/26/2014
Final Job Status: C
Final Report?

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:30	12:00	5.50	P	12:00 = 215 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 212 hrs FLARE FTP: 6656 kPa SICP: 10563kPa DHP= 12751.9 kPa Intermediate CSG = TSTM Flow Temp: 42 °c Meter Run Temp: 28 °c Choke size: 12.7mm Gas Rate: 91.55 E ³ m ³ /d Gas to Flare last 6 hrs:22.73E ³ m ³ Cumulative Gas to Flare: 533.64E ³ m ³ ILFTR: 7919.81m ³ LFR last hour: 3.12 m ³ LFR last 6 hours:19.06m ³ (hourly average last 6 hours =3.15m ³ /hr) TLFR: 1263.45m ³ TLFLTR:6656.36 m ³ Oil rec. last hour: 0.20m ³ Oil rec. last 6 hours: 1.15 m ³ Cumulative Oil rec:25.83m ³ Salinity: 53000 ppm PH: 7 Sand: 0 Surface Total = 358.34m ³ Api = 61.3@15.6 C Hrs Flowed = 215 HRS 30 MIN H ₂ S = 0.20 ppm CO2= 1.8% Protechnics sample #25 taken @ 12:00.
12:00	18:00	6.00	P	18:00 = 221 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 218 hrs FLARE FTP: 6531 kPa SICP: 10503kPa DHP= 12656.7 kPa Intermediate CSG = TSTM Flow Temp: 42 °c Meter Run Temp: 28 °c Choke size: 12.7mm Gas Rate: 90.40 E ³ m ³ /d Gas to Flare last 6 hrs:22.95E ³ m ³ Cumulative Gas to Flare: 556.59E ³ m ³ ILFTR: 7919.81m ³ LFR last hour: 2.94 m ³ LFR last 6 hours:17.77m ³ (hourly average last 6 hours =2.96m ³ /hr) TLFR: 1281.22m ³ TLFLTR:6638.59 m ³ Oil rec. last hour: 0.17m ³ Oil rec. last 6 hours: 1.03 m ³ Cumulative Oil rec:26.41m ³ Salinity: 52000 ppm PH: 7 Sand: 0 Surface Total = 352.14m ³ Api = 61.0@15.6 C Hrs Flowed = 221 HRS 30 MIN H ₂ S = 0.20 ppm CO2= 2.0%
18:00	18:00			WSS handover and shift change
18:00	18:30	0.50		Conduct Meeting with all personnel (day and night shifts), discuss tight hole operations due to unnecessary chatter around location and camp. Relay the message "don't tell, don't ask" to all services involved with past and present Operations. Release day crew and continue PJHA meeting with night personnel, discuss hazards associated with flowing / proper purging, LEL monitoring



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 37
Report Date: 3/26/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	00:00	5.50		<p>00:00 = 227 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 224 hrs FLARE</p> <p>FTP:6455kPa SICP: 10433kPa DHP= 12557 kPa Intermediate CSG = TSTM Flow Temp: 42 °c Meter Run Temp: 29 °c Choke size: 12.7mm Gas Rate:93.45 E³m³/d Gas to Flare last 6 hrs:23.20E³m³ Cumulative Gas to Flare:579.79E³m³ ILFTR: 7919.81m³ LFR last hour: 2.84 m³ LFR last 6 hours:17.12m³ (hourly average last 6 hours =2.85m³/hr) TLFR: 1298.34m³ TLFLTR:6621.47 m³ Oil rec. last hour: 0.19m³ Oil rec. last 6 hours:1.09 m³ Cumulative Oil rec:27.5m³ Salinity: 53000 ppm PH: 7 Sand: 0 Surface Total = 370.35m³ Api = 60.0@15.6 C Hrs Flowed = 227 HRS 30 MIN H₂S = 0.20 ppm CO2=1.8%</p>
00:00	06:00	6.00		<p>06:00 = 233 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 230 hrs FLARE</p> <p>FTP:6589 kPa SICP: 10325kPa DHP= 12487 kPa Intermediate CSG = TSTM Flow Temp: 42 °c Meter Run Temp: 28 °c Choke size: 12.7mm Gas Rate:94.74 E³m³/d Gas to Flare last 6 hrs:23.70E³m³ Cumulative Gas to Flare: 603.49E³m³ ILFTR: 7919.81m³ LFR last hour: 3.18 m³ LFR last 6 hours:17.25m³ (hourly average last 6 hours =2.87m³/hr) TLFR:1315.59m³ TLFLTR:6604.22 m³ Oil rec. last hour: 0.18m³ Oil rec. last 6 hours:1.07 m³ Cumulative Oil rec:28.57m³ Salinity: 56000 ppm PH: 7 Sand: 0 Surface Total = 388.67m³ Api = 60.9@15.6 C Hrs Flowed = 233 HRS 30 MIN H₂S = 0.20 ppm CO2= 1.8%</p>

FLUID SUMMARY

Fluid	To lease (m ³)	From lease (m ³)	To well (m ³)	From well (m ³)	Left to recover (m ³)
FRESH WATER	0.00	0.00	0.00	0.00	
PRODUCED OIL	0.00	124.00	0.00	71.20	6,604.22

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Welltesting (Eqmnt,Srvcs,PTA,Govt Subs)	AGAT LABORATORIES	M220	5,000.00

Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 37
 Report Date: 3/26/2014
 Final Job Status: G
 Final Report? \

DAILY COST			
BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Maintain Road & Location	CANOL OILFIELD SERVICES INC	D230	2,025.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,000.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,675.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,307.50
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	T130	1,595.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	500.00
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	T130	1,100.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,595.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	SAHTU RCS ENERGY SERVICES LTD	Q300	36,000
Fracture Stimulation Services	SCHLUMBERGER CANADA LIMITED	N110	210,175..
Completion Fluids & Other Chem	TERVITA CORP	G300	2,378.00
Trucking/Hauling/ Hot Shot Services	V D M TRUCKING SERVICE LTD	P100	512,000.00
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA	M220	26,110.53
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA	M220	7,500.00
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	16,720.00

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)			
CANOL, Original Hole	1,627.510			
PERFORATIONS				
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0 Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0 Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0 Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0 Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0 Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0 Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0 Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0 Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0 Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0 Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0 Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0 Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0 Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0 Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0 Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0 Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0 Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0 Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0 Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0 Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0 Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0 Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0 Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 37
Report Date: 3/26/2014
Final Job Status: GAS
Final Report? Yes

PERFORATIONS					
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 38
Report Date: 3/27/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION					
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.10	Total Depth (mKB) 3,152.00 Original Hole - 3,129.60
JOB INFORMATION					
Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION		Secondary Job Type RIGLESS		Total Field Estimate (Cost) 20,251,383.86
Objective New Ventures HZ Canol Formation completion					
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY					
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50	
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36	
DAILY INFORMATION					
Report Start Date 3/27/2014 06:00	Report End Date 3/28/2014 06:00	Daily Cost Total (Cost) 55,614.00	Cumulative Cost (Cost) 17,348,708.66	Personnel Regular Hours (hr) 240.00	Rig RIGLESS, RIGLESS 1
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714					
Tubing Pressure (kPa) 6,434	Casing Pressure (kPa) 10,338	Weather Clear	Temperature (°C) -24	Lease Condition Ice Pad / Snow Covered	
Last 24hr Summary Continue to Flow well to Weatherford testers. Well flowing on a 12.70mm choke, monitoring gas rates ensuring not to exceed 283e9m³/d gas rate (as per NEB). Continue Hauling Load fluid to Tank Farm in CPC YVQ yard.					
06:00 = 257 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 254 hrs FLARE FTP:6313kPaSICP: 10129 kPaDHP=12197.7 kPaIntermediate CSG = TSTMFlow Temp: 41 °cMeter Run Temp: 28 °cChoke size: 12.7mmGas Rate:93.32 E9m³/dGas to Flare last 6 hrs:23.26E9m³Cumulative Gas to Flare:697.00E9m³LFR: 7919.81m³LFR last hour: 2.65 m³LFR last 6 hours:16.0m³ (hourly average last 6 hours =2.66m³/hr)TLFR: 1379.27m³TLFLTR:6540.54 m³Oil rec. last hour: 0.18m³Oil rec. last 6 hours: 1.07 m³Cumulative Oil rec:32.78m³Salinity: 56000 ppmPH: 7Sand: 0Surface Total = 303.56m³Api = 61.0@15.6 CHrs Flowed = 251 HRS 30 MINH²S = 0.20 ppmCO2= 1.8%					
24hr Forecast Continue to flow the well to testers.					
DAILY TIME LOG					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation	
06:00	06:00		P	WSS shift change and handover.	
06:00	06:30	0.50	P	Conduct Pre-job safety meeting with all personnel, review PJHA and discuss hazards associated with flowing well, loading and offloading fluids, sampling and working with steam.	



Daily Morning Report

COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 38
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DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:30	12:00	5.50	P	12:00 = 239 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 236 hrs FLARE FTP: 6674kPa SICP: 10301 kPa DHP= 12751.9 kPa Intermediate CSG = TSTM Flow Temp: 42 °c Meter Run Temp: 28 °c Choke size: 12.7mm Gas Rate: 89.31 E³m³/d Gas to Flare last 6 hrs:23.72E³m³ Cumulative Gas to Flare: 627.21E³m³ ILFTR: 7919.81m³ LFR last hour: 2.27 m³ LFR last 6 hours:16.67m³ (hourly average last 6 hours =2.78m³/hr) TLFR: 1332.26m³ TLFLTR:6587.55 m³ Oil rec. last hour: 0.16m³ Oil rec. last 6 hours: 1.10 m³ Cumulative Oil rec:29.67m³ Salinity: 54000 ppm PH: 7 Sand: 0 Surface Total = 303.44m³ Api = 61.0@15.6 C Hrs Flowed = 239 HRS 30 MIN H²S = 0.20 ppm CO2= 2.0% Protechnics sample #26 taken @ 12:00.
12:00	18:00	6.00	P	18:00 = 245 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 242 hrs FLARE FTP: 6504kPa SICP: 10255 kPa DHP= 12325.9 kPa Intermediate CSG = TSTM Flow Temp: 42 °c Meter Run Temp: 29 °c Choke size: 12.7mm Gas Rate: 92.07 E³m³/d Gas to Flare last 6 hrs:23.25E³m³ Cumulative Gas to Flare: 650.46E³m³ ILFTR: 7919.81m³ LFR last hour: 2.09 m³ LFR last 6 hours:14.28m³ (hourly average last 6 hours =2.38m³/hr) TLFR: 1346.54m³ TLFLTR:6573.27 m³ Oil rec. last hour: 0.14m³ Oil rec. last 6 hours: 0.94 m³ Cumulative Oil rec:30.61m³ Salinity: 55000 ppm PH: 7 Sand: 0 Surface Total = 245.5m³ Api = 61.0@15.6 C Hrs Flowed = 245 HRS 30 MIN H²S = 0.20 ppm CO2= 2.0%
18:00	18:00		P	WSS shift change and handover.
18:00	18:30	0.50	P	Conduct Pre-job safety meeting with all personnel, review PJHA and discuss hazards associated with flowing well, loading and offloading fluids, sampling and working with steam.



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DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	00:00	5.50	P	<p>00:00 = 251 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 248 hrs FLARE</p> <p>FTP:6270kPa SICP: 10163 kPa DHP= 12242kPa Intermediate CSG = TSTM Flow Temp: 41 °c Meter Run Temp: 27 °c Choke size: 12.7mm Gas Rate:93.92 E³m³/d Gas to Flare last 6 hrs:23.28E³m³ Cumulative Gas to Flare:673.74E³m³ ILFTR: 7919.81m³ LFR last hour: 2.69 m³ LFR last 6 hours:16.73m³ (hourly average last 6 hours =2.78m³/hr) TLFR: 1363.27m³ TLFLTR:6446.54m³ Oil rec. last hour: 0.20m³ Oil rec. last 6 hours: 1.10 m³ Cumulative Oil rec:31.71m³ Salinity: 56000 ppm PH: 7 Sand: 0 Surface Total = 286.49m³ Api = 60.8@15.6 C Hrs Flowed = 251 HRS 30 MIN H₂S = 0.40 ppm CO₂= 1.8%</p>
00:00	06:00	6.00	P	<p>06:00 = 257 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 254 hrs FLARE</p> <p>FTP:6313kPa SICP: 10129 kPa DHP=12197.7 kPa Intermediate CSG = TSTM Flow Temp: 41 °c Meter Run Temp: 28 °c Choke size: 12.7mm Gas Rate:93.32 E³m³/d Gas to Flare last 6 hrs:23.26E³m³ Cumulative Gas to Flare:697.00E³m³ ILFTR: 7919.81m³ LFR last hour: 2.65 m³ LFR last 6 hours:16.0m³ (hourly average last 6 hours =2.66m³/hr) TLFR: 1379.27m³ TLFLTR:6540.54 m³ Oil rec. last hour: 0.18m³ Oil rec. last 6 hours: 1.07 m³ Cumulative Oil rec:32.78m³ Salinity: 56000 ppm PH: 7 Sand: 0 Surface Total = 303.56m³ Api = 61.0@15.6 C Hrs Flowed = 251 HRS 30 MIN H₂S = 0.20 ppm CO₂= 1.8%</p>

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
SH WATER	0.00	0.00	0.00	0.00	
PRODUCED OIL					

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,275.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,000.00



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DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,290.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	7,370.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	T130	1,595.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	450.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	T130	1,100.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,595.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Welltesting (Eqpmnt,Srvcs,PTA, Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	16,720.00

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.510

PERFORATIONS

Date	Zone	Top (mKB)	Blm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing



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Final Report? Yes

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing



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WELL HEADER INFORMATION					
Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Mirror Lake	Field Code
Surface Legal Location P-20 65-00 126-45		API / UWI 200/D-020/L094P1699		License No. EL 470	
Orig KB/RT (m) 289.35	Ground Elevation (m) 284.15	KB-Grd (m) 5.20	KB-CF (m)	KB-TF (m) 5.40	Total Depth (mKB) 4.10
					3,152.00
					Original Hole - 3,129.60
JOB INFORMATION					
Job Category COMPLETIONS		Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 20,251,383.86	
Objective New Ventures HZ Canol Formation completion					
Actual Start Date 2/18/2014 07:30	End Date 4/11/2014 06:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
AFE COST SUMMARY					
AFE / RFE / Maint.# 10351862	Total AFE Amount (Cost) 923,600.00	Total AFE + Supp Amount (Cost) 923,600.00	Total Field Estimate (Cost) 380,182.50	AFE-Field Estimate (Cost) 543,417.50	
AFE / RFE / Maint.# 10359334	Total AFE Amount (Cost) 17,880,000.00	Total AFE + Supp Amount (Cost) 17,880,000.00	Total Field Estimate (Cost) 19,871,201.36	AFE-Field Estimate (Cost) -1,991,201.36	
DAILY INFORMATION					
Report Start Date 3/28/2014 06:00	Report End Date 3/29/2014 06:00	Daily Cost Total (Cost) 1,168,341.48	Cumulative Cost (Cost) 18,517,050.14	Personnel Regular Hours (hr) 228.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Completion Engineer, Theorn LaGarde, 403-710-9753; WS Supervisor, Donald Williams, 403-352-6925; WS Supervisor, Justin Minault, 403 391-0714				Rig RIGLESS, RIGLESS 1	
Tubing Pressure (kPa) 6,313	Casing Pressure (kPa) 10,129	Weather Clear	Temperature (°C) -23	Lease Condition Ice Pad / Snow Covered	
Last 24hr Summary Continue to Flow well to Weatherford testers. Well flowing on a 12.70mm choke, monitoring gas rates ensuring not to exceed 283e3m³/d gas rate (as per NEB). Continue Hauling Load fluid to Tank Farm in CPC YVQ yard.					
06:00 = 281 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 278 hrs FLARE					
FTP:6196kPaSICP: 9922 kPaDHP= 11923.9kPaIntermediate CSG = TSTMFlow Temp: 40 °cMeter Run Temp: 25 °cChoke size: 12.7mmGas Rate: 88.67E³m³/dGas to Flare last 6 hrs:23.15E³m³Cumulative Gas to Flare: 789.41E³m³LFR: 7919.811m³LFR last hour: 2.39 m³LFR last 6 hours:14.7m³ (hourly average last 6 hours =2.45m³/hr)TLFR:1438.30m³TLFLTR:6481.51 m³Oil rec. last hour: 0.18m³Oil rec. last 6 hours: 1.1 m³Cumulative Oil rec:37.09m³Salinity: 57000 ppmPH: 7Sand: 0Surface Total = 164.9m³Api = 62.3@15.6 CHrs Flowed = 281 HRS 30 MINH³S = 0.40 ppmCO2= 1.8%					
24hr Forecast Continue to flow the well to testers.					
DAILY TIME LOG					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation	
06:00	06:00	0.00	P	WSS shift change and handover.	
06:00	06:30	0.50	P	Conduct Pre-job safety meeting with all personnel, review PJHA and discuss hazards associated with flowing well, loading and offloading fluids, sampling and working with steam.	



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DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:30	12:00	5.50	P	12:00 = 263 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 260 hrs FLARE FTP: 6168kPa SICP: 10070 kPa DHP= 12125.6 kPa Intermediate CSG = TSTM Flow Temp: 41 °c Meter Run Temp: 27 °c Choke size: 12.7mm Gas Rate: 98.71 E ³ m ³ /d Gas to Flare last 6 hrs:23.11E ³ m ³ Cumulative Gas to Flare: 720.11E ³ m ³ ILFTR: 7919.81m ³ LFR last hour: 2.32 m ³ LFR last 6 hours:14.42m ³ (hourly average last 6 hours =2.40m ³ /hr) TLFR: 1393.69m ³ TLFLTR:6526.12 m ³ Oil rec. last hour: 0.17m ³ Oil rec. last 6 hours: 1.00 m ³ Cumulative Oil rec:33.78m ³ Salinity: 59000 ppm PH: 7 Sand: 0 Surface Total = 218.98m ³ Api = 61.0@15.6 C Hrs Flowed = 263 HRS 30 MIN H ₂ S = 0.40 ppm CO2= 2.0% Protecnics sample # 27 taken @ 12:00.
12:00	18:00	6.00	P	18:00 = 269 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 266 hrs FLARE FTP: 6027kPa SICP: 9998 kPa DHP= 12034.1 kPa Intermediate CSG = TSTM Flow Temp: 40 °c Meter Run Temp: 25 °c Choke size: 12.7mm Gas Rate: 89.74 E ³ m ³ /d Gas to Flare last 6 hrs:23.14E ³ m ³ Cumulative Gas to Flare: 743.25E ³ m ³ ILFTR: 7919.81m ³ LFR last hour: 2.43 m ³ LFR last 6 hours:14.78m ³ (hourly average last 6 hours =2.46m ³ /hr) TLFR: 1408.47m ³ TLFLTR:6511.34 m ³ Oil rec. last hour: 0.17m ³ Oil rec. last 6 hours: 1.07 m ³ Cumulative Oil rec:34.85m ³ Salinity: 60000 ppm PH: 7 Sand: 0 Surface Total = 132.83m ³ Api = 61.0@15.6 C Hrs Flowed = 269 HRS 30 MIN H ₂ S = 0.40 ppm CO2= 2.0%
18:00	18:00		P	VSS shift change and handover.
18:00	18:30	0.50	P	Conduct Pre-job safety meeting with all personnel, review PJHA and discuss hazards associated with flowing well, loading and offloading fluids, sampling and working with steam.



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Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	00:00	5.50	P	<p>00:00 = 275 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 272 hrs FLARE</p> <p>FTP: 6219kPa SICP: 1122kPa DHP= 11992.1 kPa Intermediate CSG = TSTM Flow Temp: 40 °c Meter Run Temp: 26 °c Choke size: 12.7mm Gas Rate: 91.68 E³m³/d Gas to Flare last 6 hrs: 23.01E³m³ Cumulative Gas to Flare: 766.26E³m³ ILFTR: 7919.81m³ LFR last hour: 2.45 m³ LFR last 6 hours: 15.13m³ (hourly average last 6 hours = 2.52m³/hr) TLFR: 1423.6m³ TLFLTR: 6496.21 m³ Oil rec. last hour: 0.17m³ Oil rec. last 6 hours: 1.14 m³ Cumulative Oil rec: 35.99m³ Salinity: 62000 ppm PH: 7 Sand: 0 Surface Total = 149.1m³ Api = 62.3@15.6 C Hrs Flowed = 275 HRS 30 MIN H²S = 0.40 ppm CO₂= 1.9%</p>
0	06:00	6.00	P	<p>06:00 = 281 hrs- 30min FLOWING HZ CANOL FOR CLEAN UP / EVALUATION = 278 hrs FLARE</p> <p>FTP: 6196kPa SICP: 9922 kPa DHP= 11923.9kPa Intermediate CSG = TSTM Flow Temp: 40 °c Meter Run Temp: 25 °c Choke size: 12.7mm Gas Rate: 88.67E³m³/d Gas to Flare last 6 hrs: 23.15E³m³ Cumulative Gas to Flare: 789.41E³m³ LFTR: 7919.811m³ LFR last hour: 2.39 m³ LFR last 6 hours: 14.7m³ (hourly average last 6 hours = 2.45m³/hr) TLFR: 1438.30m³ TLFLTR: 6481.51 m³ Oil rec. last hour: 0.18m³ Oil rec. last 6 hours: 1.1 m³ Cumulative Oil rec: 37.09m³ Salinity: 57000 ppm PH: 7 Sand: 0 Surface Total = 164.9m³ Api = 62.3@15.6 C Hrs Flowed = 281 HRS 30 MIN H²S = 0.40 ppm CO₂= 1.8%</p>

FLUID SUMMARY

Fluid	To lease (m ³)	From lease (m ³)	To well (m ³)	From well (m ³)	Left to recover (m ³)
FRESH WATER	0.00	0.00	0.00	0.00	
REDUCED OIL		202.00	0.00	59.03	6,481.51

DAY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	480.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	2,300.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	2,000.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00



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DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	14,945.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	14,335.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,290.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	22,753.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	244.00
Wellsite Supervision & Engineering	DON WILLIAMS - BIRD DOG	T130	1,595.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	400.00
Wellsite Supervision & Engineering	MARQUIS ALLIANCE ENERGY GROUP INC	T130	1,100.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,595.00
Surface Completion Equipment Rental	NAVIGATOR ENERGY SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,000.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RON'S AUTO SERVICE LTD	Q300	970.85
Surface Completion Equipment Rental	RON'S AUTO SERVICE LTD	Q300	1,130.45
Fracture Stimulation Services	SCHLUMBERGER CANADA LIMITED	N110	1,062,738.18
Completion Fluids & Other Chem	TERVITA CORP	G300	3,280.00
Welltesting (Eqpmnt, Srvcs, PTA, Gov't Subs)	WEATHERFORD CANADA PARTNERSHIP	M220	17,395.00

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
CANOL, Original Hole	1,627.51

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/4/2014	CANOL, Original Hole	3,118.00	3,119.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,098.00	3,099.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,079.00	3,080.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,059.00	3,060.00	6.0	Open - Flowing
3/4/2014	CANOL, Original Hole	3,040.00	3,041.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,021.00	3,022.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	3,001.00	3,002.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,982.00	2,983.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,962.00	2,963.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,943.00	2,944.00	6.0	Open - Flowing
3/7/2014	CANOL, Original Hole	2,924.00	2,925.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,904.00	2,905.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,885.00	2,886.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,866.00	2,867.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,846.00	2,847.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,827.00	2,828.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,807.00	2,808.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,788.00	2,789.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,769.00	2,770.00	6.0	Open - Flowing
3/8/2014	CANOL, Original Hole	2,749.00	2,750.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,730.00	2,731.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,710.00	2,711.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,691.00	2,692.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,672.00	2,673.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,652.00	2,653.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,633.00	2,634.00	10.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,613.00	2,614.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,594.00	2,595.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,575.00	2,576.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,555.00	2,556.00	6.0	Open - Flowing
3/9/2014	CANOL, Original Hole	2,536.00	2,537.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,516.00	2,517.00	6.0	Open - Flowing

Daily Morning Report
COPRC MIRROR LAKE P-20 65-00 126-45

Report #: 39
Report Date: 3/28/2014
Final Job Status: GAS
Final Report? Yes

PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/10/2014	CANOL, Original Hole	2,497.00	2,498.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,478.00	2,479.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,458.00	2,459.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,439.00	2,440.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,419.00	2,420.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,400.00	2,401.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,381.00	2,382.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,361.00	2,362.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,342.00	2,343.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,322.00	2,323.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,303.00	2,304.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,284.00	2,285.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,264.00	2,265.00	6.0	Open - Flowing
3/10/2014	CANOL, Original Hole	2,245.00	2,246.00	6.0	Open - Flowing

