

Daily Morning Report

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

Report #: 28
Report Date: 2/28/2016
Final Job Status:
Final Report? No

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 N20 65-00 126-45		API / UWI 300/N20 65-00 126-45/0		License No. EL 470 WID 2079	
Orig KB/RT (m) 286.50	Ground Elevation (m) 281.30	KB-Grd (m) 5.20	KB-CF (m) 4.87	KB-TF (m) 4.32	Total Depth (mKB) 2,146.00
					PBTD (All) (mKB) Original Hole - 855.10

JOB INFORMATION

Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,440,896.32
Objective Abandon Cut and Cap			
Actual Start Date 1/16/2016 14:00	End Date	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lborbel	Responsible Grp 3 Chris Tucker

AFE COST SUMMARY

AFE / RFE / Maint.# 10385949	Total AFE Amount (Cost) 1,310,000.00	Total AFE + Supp Amount (Cost) 1,310,000.00	Total Field Estimate (Cost) 1,440,896.32	AFE-Field Estimate (Cost) -130,896.32
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 946,350.00	Total AFE + Supp Amount (Cost) 946,350.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 946,350.00

DAILY INFORMATION

Report Start Date 2/28/2016 07:30	Report End Date 2/28/2016 18:00	Daily Cost Total (Cost) 28,406.03	Cumulative Cost (Cost) 1,440,896.32	Personnel Regular Hours (hr) 140.00
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Chris Tucker, 780-882-9501				Rig C&J Energy Services, 217
Tubing Pressure (kPa) 2,400	Casing Pressure (kPa) 2,400	Weather Sunny	Temperature (°C) -16	Lease Condition good

Last 24hr Summary

Pressure tested perfs to 7MPa for 10mins, test good. Rigged in E-Line and RIH with 144m Gauge rig to bottom of perfs @ 874mKB. POOH RIH with PBP and set 9m above perfs @ 864mKB CE. Pressure tested PBP to 7MPa for 10Mins, test good. RIH with 175L of G cement for a cap of 8.7m on plug, Cement top @ 855.1mKB. POOH. Removed BOPs and installed 73mm Tbg bull plugged hanger in wellhead. Installed Master valve on wellhead and pressure tested gasket to 21MPa with Methonal, test good. Performed another 10min bubble test on SCV, No flow detected, test passed.

24hr Forecast

Continue with rig out operations of service rig. Send rig to town and spot in CPC yard for loading on wheeler possibly Friday. Send out equipment to be returned to home bases when possible too.

PROCESS SAFETY REPORTING

Start Date				End Date	Process Safety Event	Activity at Time of Event
Start Time	End Time	Dur (hr)	Time P-T-X	Operation		
07:30	08:00	0.50	P	Held PJHA # 02282016 meeting all personal on location. Talked about possible hazards and ways they will be avoided. Discussed todays operations and procedures and about past incidents we have had in the oil industry.		
08:00	08:30	0.50	P	Performed Daily walk around equipment, looked for any fuel leaks or containment spills, all good. Swept lease with gas monitor with no LELs detected.		
08:30	10:30	2.00	P	SICP = 2400KPa Bleed off pressure to rig tank, pressured up on Csg to 7MPa for 10mins, test good, no bleed off. Rigged up E-Line to RIH with 144mm Gauge ring to tag cement top. Performed a 10min bubble test on SCV with NO flow detected, test passed.		
10:30	14:30	4.00	P	1. RIH with 144mm gauge ring to 874mKB and tagged cement, cement top at bottom of perfs. Confirmed numbers and POOH. Checked junk basket when out of hole and there was some cement residue in basket but very little. 2. RIH with Perment Bridge Plug to 864mKB, logged on depth with GR/CCL log. Confirmed on depth, set plug at 864mKB CE. (Top @ 863.8mKB, Bottom @ 864.3mKB). POOH freely. Pressure tested when out of hole to 7MPa for 10mins, test good with no bleed down. Mix up 175L of class G cement @ 1680kg/m in tub. Filled bailer, ready to RIH. 3. RIH with cement bailer to top of plug, hit down and seen a 230lbs drop in weight. POOH. Weights acting like cement is gone. Checked bailer when out of hole and its empty/clean. Layed down bailer and start rigging out E-Line equipment.		

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Start Time	End Time	Dur (hr)	Time P-T-X	Operation
14:30	18:30	4.00	P	<p>Rigged out E-Line equipment and released E-Line crew from lease.</p> <p>RIH with 50 Jts of bull plugged Tbg - 482m to displace water while sucking back with rig pump. (1.35m³ displaced) POOH</p> <p>Lay down Tbg to catwalk. 225 jts on pipe racks.</p> <p>Fluid level down 67.81m from surface.</p> <p>Rigged out tongs and rig floor/tarps.</p> <p>Removed BOP's and installed 73mm bull plugged Tbg hanger in wellhead. Rubbers are good on Tbg hanger.</p> <p>Installed master valve top section on wellhead with new BX-156 ring gasket, pressure tested ring to 21MPa, test good.</p> <p>Removed some methonal from valve with barrel pump.</p> <p>Performed another 10min bubble test on SCV with no flow detected. test passed.</p> <p>Re-Installed Roke vent nanny with heat on lines.</p> <p>Continued rigging out equipment.</p>
18:30	19:30	1.00	P	<p>Capped and secured well.</p> <p>Drained all surface equipment and SDFN.</p> <p>Performed another SCV bubble test with NO flow detected. Test passed.</p> <p>Note; Tope of perfs @ 873mKB Resin Cement top @ 874mKB, Bottom of perfs. PBP set @ 864mKB Center Element, (9m above perfs) Top @ 863.8mKB, Bottom @ 864.3mKB Class "G" 1680kg/m cement top @ 855.1mKB. Wellbore filled with Potable water TDS<4000mg/L Water level in well @ 67.81m below surface. Both Bubble tests passed.</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	109.70

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BP PUMP LTD	Q300	40.00
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	11,259.00
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	2,150.00
Surface Completion Equipment Rental	CENTRAL MACKENZIE ENVIRONMENTAL LTD	Q300	40.00
Surface Completion Equipment Rental	CENTRAL MACKENZIE ENVIRONMENTAL LTD	Q300	60.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	175.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	75.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	75.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	75.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,205.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,890.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	7,922.03
Wellsite Supervision & Engineering	TECTONIC ENERGY CONSULTING INC	T130	1,620.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	50.00

CUMULATIVE JOB FLARED GAS BY ZONE

Zone	Volume Gas Total (E3m³)
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PERFORATIONS

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
2/8/2016	Basal Lower Canol, Ori...	2,068.00	2,070.00	17.5	Squeezed
2/8/2016	Basal Lower Canol, Ori...	2,068.00	2,070.00	17.5	Squeezed
3/27/2013	Basal Lower Canol, Ori...	2,059.00	2,060.00	20.0	Squeezed
3/28/2013	Middle Lower Canol, O...	2,023.00	2,024.00	20.0	Squeezed
2/8/2016	Basal Lower Canol, Ori...	2,015.00	2,017.00	17.5	Squeezed
2/8/2016	Basal Lower Canol, Ori...	2,015.00	2,017.00	17.5	Squeezed
3/28/2013	Upper Lower Canol, Or...	1,993.00	1,994.00	20.0	Squeezed
2/14/2016	Upper Lower Canol, Or...	1,938.00	1,940.00	17.5	Squeezed

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Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
2/14/2016	Upper Lower Canol, Or...	1,938.00	1,940.00	17.5	Squeezed
2/17/2016	Imperial , Original Hole	1,906.00	1,908.00	17.5	Squeezed
2/17/2016	Imperial , Original Hole	1,906.00	1,908.00	17.5	Squeezed
2/20/2016	Imperial , Original Hole	1,623.00	1,625.00	17.5	Squeezed
2/20/2016	Imperial , Original Hole	1,623.00	1,625.00	17.5	Squeezed
2/22/2016	Imperial , Original Hole	1,170.50	1,173.50	17.5	Squeezed
2/26/2016	Basal Lower Canol, Ori...	873.00	874.00	17.5	Squeezed
2/26/2016	Basal Lower Canol, Ori...	873.00	873.90	108.0	Squeezed
2/26/2016	Basal Lower Canol, Ori...	873.00	874.00	17.5	Squeezed