

# Daily Morning Report

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

Report #: 13  
Report Date: 2/13/2016  
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 - 2,127.00

### JOB INFORMATION

Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 422,874.12
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) 422,874.12	AFE-Field Estimate (Cost) 887,125.88
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 2/13/2016 07:30	Report End Date 2/13/2016 16:00	Daily Cost Total (Cost) 31,460.10	Cumulative Cost (Cost) 422,874.12	Personnel Regular Hours (hr) 143.00
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) 0	Casing Pressure (kPa) 0	Weather Sunny	Temperature (°C) -15	Lease Condition good

### Last 24hr Summary

RIH and tagged cement top @ 1947mKB. Rigged in drilling equipment, drilled down to 1956.5mKB. Circulated wellbore clean and POOH RIH w/Scraper c/w Tri cone bit on bottom. Tagged cement top @ 1956.5mKB, circulated wellbore over to potable fresh water TDS<4000 mg/L..

### 24hr Forecast

POOH w/Tbg. Rig in E-Line to perforate interval 1938-1940mKB, Establish Feed rate.

### 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 # 02132016 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	10:00	1.50	P	SITP = Neutral, SICP = Neutral Rigged in drilling equipment, anti-torq head/circulating head, Packoff head and stand pipe. RIH with Tbg and tagged cement top @ 1947mKB with 1800daN of weight. Start drilling operations.		
10:00	12:00	2.00	P	Drilled down to 1956.7mKB, cement drilled real good, taking 2000daN string weight and steady drilling off. Circulated 15m³ first then dropped circ-sub ball (1in) and pumped water behind to set. Setted ball, pressured up to 16.4MPa and circ-sub opened. Circulate wellbore clean with Csg volume (33.5m³) plus 10m³, (43.5m³ total) good clean returns at rig tank. Removed circulating equipment and packoff head, installed wear plate.		
12:00	17:00	5.00	P	POOH with Tbg and BHA ( Mud Motor w/ Bearclaw) standing in the derrick. RIH with Tbg and Tbg scarpper w/ tri cone mill on bottom. BHA as follows:  155mm x 0.13m Tri Cone Bit 168mm x 1.02m Scraper 111mm x 0.31m FS2187 Crossover 95.1mm x 0.46m H4005 Crossover 77.8mm x 0.30m Reg/Reg Crossover 79mm x 0.15m Pac/Reg Crossover 77.1mm x 0.19m 60.3mm/Pac Crossover 1.25m x 60.3mm Tbg Pup Jt.  Total BHA lengh is 3.72m		
17:00	18:30	1.50	P	Tagged cement top @ 1956.7mKB. Picked up 1 meter and circulated wellbore over to potable fresh water TDS<4000 mg/L ( 40m³ circulated) Fresh water in returns at rig tank. Pulled 5 joints to catwalk.		

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Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	19:30	1.00	P	Drained all surface equipment. Capped and secured well for night. SDFN

### FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	22.70	0.00			8.50

### DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BP PUMP LTD	Q300	20.00
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	10,298.00
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	325.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	325.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,205.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,291.50
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	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,425.70
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,226.90
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Downhole Completion Equipment	SCHLUMBERGER CANADA LIMITED	C100	11,493.00
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)

### 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	175.0	Open - Not Flowing
3/27/2013	Basal Lower Canol, Ori...	2,059.00	2,060.00	20.0	Open - Not Flowing
3/28/2013	Middle Lower Canol, O...	2,023.00	2,024.00	20.0	Open - Not Flowing
2/8/2016	Basal Lower Canol, Ori...	2,015.00	2,017.00	17.5	Open - Not Flowing
3/28/2013	Upper Lower Canol, Or...	1,993.00	1,994.00	20.0	Open - Not Flowing