

Daily Morning Report

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

Report #: 27
Report Date: 2/27/2016
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) 1,409,099.99
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 Michael Short

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) 1,409,099.99	AFE-Field Estimate (Cost) -99,099.99
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 2/27/2016 07:30	Report End Date 2/27/2016 18:00	Daily Cost Total (Cost) 39,712.11	Cumulative Cost (Cost) 1,409,099.99	Personnel Regular Hours (hr) 140.00
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Michael Short, 403-348-7127; WS Supervisor, Marty Dushanek, 403-358-8911				Rig C&J Energy Services, 217
Tubing Pressure (kPa)	Casing Pressure (kPa) 0	Weather Sunny	Temperature (°C) -15	Lease Condition good

Last 24hr Summary

SICP = Slight Vac
RIH and set PBP @ 874.5mKB to top. 874.7mKB to CE. POOH. Mix 11 pails of resin cement (150L) dumped in bailer and RIH. POOH with clean bailer. Filled hole with water and start squeeze with pressure truck. Max volume to squeeze is 90L.

24hr Forecast

Pressure test Csg to 7MPa, will be ready to RIH with gauge ring and drilling equipment if needed. Possible set PBP above Resin cement and dump bail G cement or Resin cement again.

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 # 02272016 meeting all personal on location. Talked about possible hazards and ways they will be avoided. Discussed today's 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	12:00	3.50	P	<p>SICP = Slight Vac Rigged in E-line and pressure truck. Pressure tested pumping equipment and e-line to 21MPa, tests good, no leaks. E-Line operations as follows:</p> <p>1. RIH with PBP to set 0.5m below perfs @ 873-874mKB, logged on depth with GR/CCL log. Short joint @ 850mKB. Set PBP @ 874.7mKB CE, 874.5mKB top of plug. Pulled up free and clear, POOH.</p> <p>Mixed up 150L of Resin Cement as per directions for mixing. Started mixing @ 12:08hrs. Filled bail with Cement,</p> <p>2. RIH and dump bailed resin cement on PBP @ 12:57hrs. Lost 250LBs on pull weight. POOH. Stood bailer in Rig Derrick, filled BOP's with water to above rams, shut rams and ready to begin squeeze.</p>	

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Start Time	End Time	Dur (hr)	Time P-T-X	Operation
12:00	16:30	4.50	P	<p>Squeezed as per following:</p> <p>Start pumping @ 13:18hrs. 70mins since mixing. Took 82L to get to 7MPa. 13L more then expected. Shut down pump for 10mins and pressure looked solid. Total 80 mins since mixing. Started to increase pressure to 14MPa as follows: Pumped 91L total to 8MPa, Pressure held for 10mins, 90mins since mixing Pumped 100L total to 9MPa, Pressure held for 10mins, 100mins since mixing Pumped 106L total to 10MPa, pressure held for 10mins. 110 mins since mixing Pumped 115L total to 11MPa, Pressure held for 10mins, 120mins since mixing. Pumped 129L total to 12MPa, Pressure held for 10mins, 130mins since mixing. Pumped 136L total to 13MPa, Pressure held for 10mins, 130mins since mixing. Pumped 146L total to 14MPa, pressure seems to be bleeding off slowly, Let sit for 15mins and pressure still dropping slowly. down to 10MPa. Let sit for another 15mins, pressure dropped to 8MPa. Pumped another 15L for a total of 161L pumped pressured up to 9MPa. Waited another 15mins, pressure down to 7MPa, pumped another 10L, pressured up to 8MPa. Total 171L pumped. 160mins since mixing. Waited 15mins and pressure at 6.8MPa, pumped 10L and pressured up to 7.2MPa. Total pumped 181L, 170mins since mixing. Waited 20mins and pressure at 6.5MPa, pumped 10L and pressured up to 7.3MPa, Total Pumped 191L, 180mins since mixing. Waited 20mins and pressure at 6.2MPa, pumped 10L and pressured up to 7MPa, Total Pumped 201L, 190mins since mixing. Waited 20mins and pressure at 6.2MPa, pumped 10L and pressured up to 7.0MPa, Total Pumped 211L, 190mins since mixing. Waited 20mins and pressure at 6.6MPa, pumped 10L and pressured up to 7.3MPa, Total Pumped 221L, 200mins since mixing.</p> <p>Reached max we can squeeze at 85L over what it was calcaulted it would take to pressure up to 14MPa which was 136L Shut in well and capped for night with 7.3MPa left on wellbore.</p>
16:30	17:30	1.00	P	<p>Rigged out pressure truck and support equipment. Capped and secured well for night with 7.3MPa on well. Drained all surface equipment.</p> <p>Note: @ 17:30hrs pressure on Csg was at 4.3MPa.</p> <p>Vent nanny was checked to see if it was frozen. Broke off line on both ends and blew threw them with no restriction. Gauge case is tarped in and warm along with stainless steel line.</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	12,865.00
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	1,638.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	20,024.11
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

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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	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
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