

Daily Morning Report

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

Report #: 20
Report Date: 2/20/2016
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) 930,573.55
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) 930,573.55	AFE-Field Estimate (Cost) 379,426.45
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 2/20/2016 06:00	Report End Date 2/21/2016 06:00	Daily Cost Total (Cost) 42,836.70	Cumulative Cost (Cost) 930,573.55	Personnel Regular Hours (hr) 269.00
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 Clear	Temperature (°C) -38	Lease Condition good

Last 24hr Summary

Perform CCL/GR/VDL/CBL from retainer set @ 1901.0mKB to surface. Once with well static and again with 10,000kPa applied. Dump bail 8.75 lineal meters of cement on top of retainer. Crew Change; POH Bailer, Perforated Twice from 1,623.0 - 1,625 mKB, POH, Established a Feedrate of 0.30 m³/min @ 18,000 kPa, RIH & Set Retainer ce @ 1,615.0 mKB, P Tested above Retainer to 21,000 kPa, RIH with Stinger on 60.3mm TBG, Spaced out, Function Tested Retainer, P Tested TBG + Annulus, Established Feedrate through Retainer, Shut in Well, Heated TBG Stump + BOPs.

24hr Forecast

Confer with Calgary; Perform Retainer Cement Squeeze.

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			
06:00	07:30	1.50	P	Continued to Fire Boiler and Heat BOPs & Fresh Water. <> CREW CHANGE. <>			
07:30	08:00	0.50	P	Held pre-job safety and operations meeting with all services. Review CPC PJHA,Discuss wireline hazards/ pressure pass hazards/ hoisting and laying down lube/ slippery lease conditions and use of traction control/ overhead loads/ hammering/wrenching/cold weather operations. -35°C discuss work and break times. use buddy system/ pinch points on floor/ pressure testing/ high pressure lines/ overhead loads/tag lines. Review transportation plan and muster areas with all workers. All workers safety certificates checked.			
08:00	10:00	2.00	P	Complete rig in Lonkar wireline. Function test 7" bops. Rig in sheaves, pick up Lubricator. Lubricator wrapped with steam line and tarped to avoid freezing. Make up wireline tools for CCL/GR/VDL/RBL. Pick tools into lube and install onto bops. Pressure test Lube/bops/flange to 1.4 and 14MPa (test good) 09:40 - Remove stainless line from vent meter and perform SCVF test via 10 min bubble test. After 1min I had too many bubbles to count. Check stainless line running from SCV to meter box and it was clear and warm. 10:00 vent meter was hooked back up and manually uploaded.			
10:00	17:00	7.00	P	Run in hole to top of retainer set @ 1901.0mKB. Perform CCL/GR/VDL/RBL from 1900.0mKB to surface. (Well Static) Correlate to the Schlumberger cased hole Cement Bond Log dated March 27, 2013. Run in hole to top of retainer set @ 1901.0mKB. Perform CCL/GR/VDL/RBL from 1900.0mKB to surface. (10,000kPa applied to wellbore) Correlate to the Schlumberger cased hole Cement Bond Log dated March 27, 2013. Pressure applied at 14:00hrs Send results to Louis Borbely.			
17:00	19:30	2.50	P	Make up 127mm cement bailer. Mix up 175L of oilwell class G cement with 2.2kg of retarder. Will be 8.75 lineal meters of cement on retainer. Run in hole and dump bail cement on top of retainer set top at 1901.0mKB. Cement top at 1892.25mKB Start out of hole and prepare to perforate Imperial Sand interval 1623.0-1625.0mKB			

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Start Time	End Time	Dur (hr)	Time P-T-X	Operation
19:30	19:45	0.25	P	Held PJHA Meeting with Night Crew. (10 Total) Got Everyone Signed in + Discussed Laying down Cement Bailer.
19:45	20:00	0.25	P	Held Cross-Over Meeting with Day Crew. Performed Daily Walk Around Lease Inspection.
20:00	20:45	0.75	P	POH & Laid down Cement Bailer.
20:45	21:15	0.50	P	Held PJHA Meeting with All Night Shift Personnel. (10 Total) Discussed Days Objectives, Procedures & Potential Hazards, Discussed Cold Temperatures, Footing, LSR's 1, 3, 4 & 8, E-Line Ops: Making up Perf Gun, Perforating + Setting Retainer, Pre-Heat Pump Line, P Testing, Sucking Back Displacement, Establishing Feedrate, Function Testing Retainer, Hammering = Stand Clear + Watch Swing Paths, Steam/Boiler Safety, Good Communication, Proper Lighting, Zero Spillage = Take Extra Time + Utilize Drip Trays, Rigging out E-Line, Removing Wireline Flange, Windchill, Extreme Cold = Don't Overdo it, Take Extra Breaks + Lookout for Each Other, LSR # 3: Fall Arrest, LSR # 4: Overhead Equipment + LSR # 8: Safe Driving. Reviewed Transportation Plan, Emergency Phone Numbers, EMT + MTV. > All Hands had 2016 Conoco Orientation + Valid Oilfield Tickets. <
21:15	23:00	1.75	P	Made up & RIH with Tandem 127mm x 2 meter Owen Reverse Phased Perf Guns, Loaded with 39 gram SDP-4500-411NT3 Charges @ 50 degree Phasing @ 17.5 spm. Pressure Tested Wireline Lubricator Low 1,400 kPa + High 14,000 kPa. (All Good) Correlated on Depth to Schlumberger's CBL Log Dated March 27, 2013. Perforated Twice @ 1,623.0 - 1,625.0 mKB (2.0 meters) POH & Laid Down Perf Guns. All Shots had Fired 100%.
23:00	00:00	1.00	P	Pre-Heated Pump Line. Established a Feedrate into Squeeze Perfs @ 0.30 m³/min @ 18,000 kPa. Pumped a Total of 1.5 m³ of Fresh Water. Bled CSG Pressure to Zero. Rec'd 1.20 m³ Fresh Water to Rig Tank.
00:00	01:45	1.75	P	Made up & RIH with Schlumberger's 178mm Cement Retainer on Wireline. Correlated on Depth to Schlumberger's CBL Log Dated March 27, 2013. Set Cement Retainer ce @ 1,615 mKB. (Top of Retainer @ 1,614.80 mKB) POH & Laid Down Running Tools.
01:45	02:45	1.00	P	Pre-Heated Pump Line. Pressure Tested above Cement Retainer to 21,000 kPa. Pressure Test Held 100% for 10 mins. RO&R Schlumberger Wireline.
02:45	04:45	2.00	P	RIH with Snap Latch Stinger on 168 Jts of 60.3mm TBG. Tagged Retainer. Spaced out TBG String. (Buried a 0.65m Pup) Installed 73mm Master Valve + TBG Swivel.
04:45	06:00	1.25	P	> Stung into Retainer; Pulled TBG into Neutral. > Pressure Tested Annulus to 21,000 kPa. Pressure Test Held 100% for 10 mins. > Pressure Tested TBG to 10,000 kPa. Pressure Test Held 100% for 10 mins. > Lowered TBG + Opened Retainer. <> Pumped a Total of 3.0 m³ Potable Fresh Water through the Retainer. - Pumped Steady at 0.40 m³/min. - Pump Pressure Started Out at 18,500 kPa and decreased to a Steady 15,500 kPa. <> Shut down Pump: ISIP = 11,000 kPa. 5 min: SICP = 10,100 kPa.

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	30.00	0.00	4.50	2.50	61.70

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	23,391.50
Surface Completion Equipment Rental	CENTRAL MACKENZIE ENVIRONMENTAL LTD	Q300	40.00
Surface Completion Equipment Rental	CENTRAL MACKENZIE ENVIRONMENTAL LTD	Q300	60.00
Wellsite Supervision & Engineering	FOCUS WELLSITE SUPERVISION LTD	T130	1,620.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	175.00
Completion Fluids & Other Chem	IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION	G300	3,447.60
Wellsite Supervision & Engineering	MKH SHORT CONSULTING LTD	T130	1,620.00
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	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

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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	2,815.00
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
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Downhole Completion Equipment	SCHLUMBERGER CANADA LIMITED	C100	3,575.00
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	574.60
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	
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	
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