

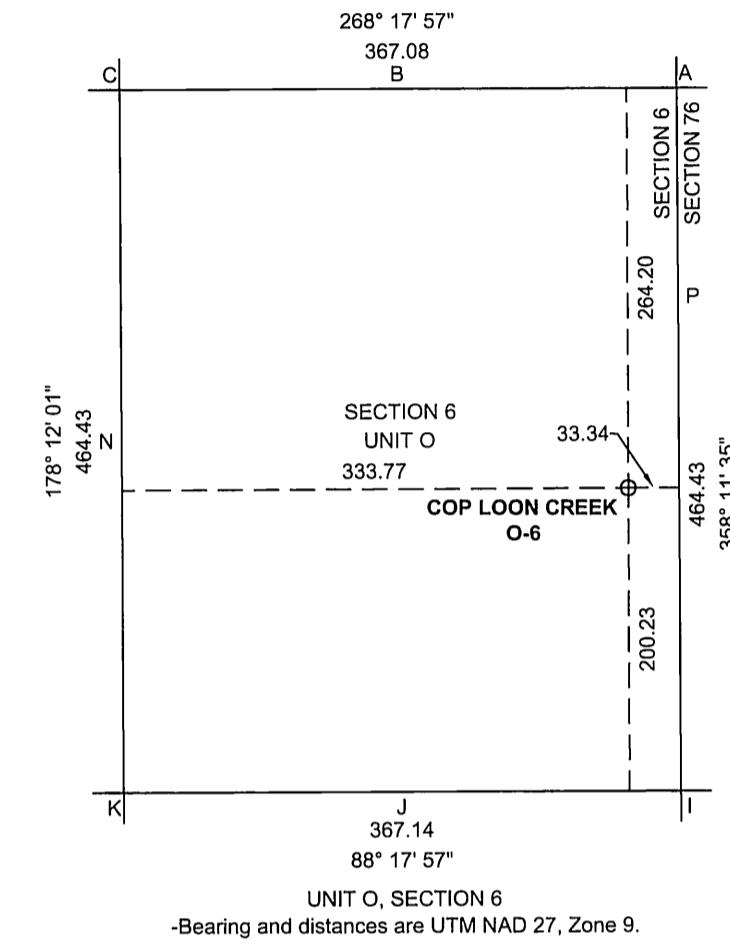
COPRC Loon Creek 0-06

APPENDICES

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Appendix 1 Legal Survey Plan

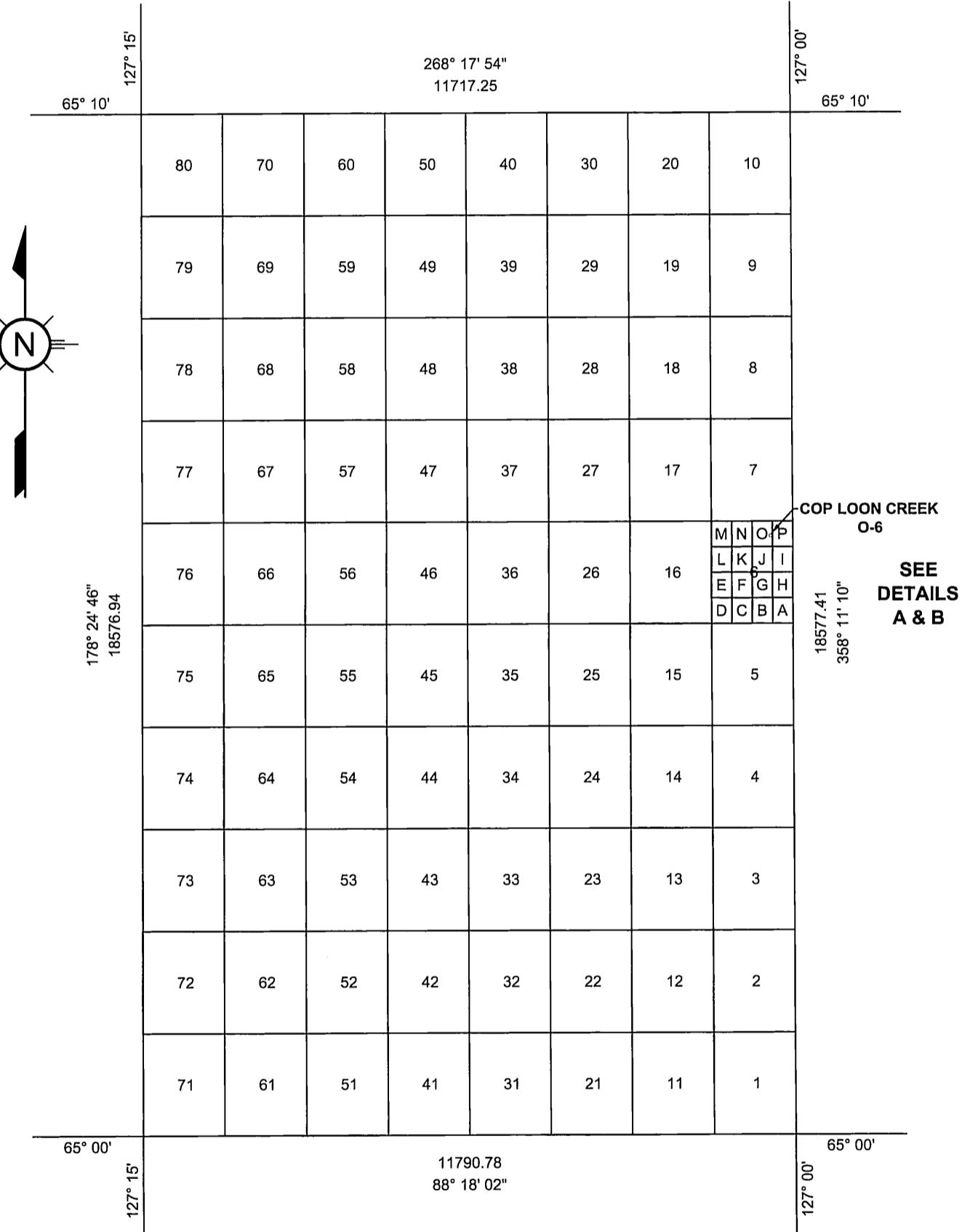
STATION	U.T.M. ZONE 9, C.M. 129 (NAD83)		U.T.M. ZONE 9, C.M. 129 (NAD27)		GEOGRAPHIC CO-ORDINATES (NAD27)		
	NORTHING	EASTING	NORTHING	EASTING	LATITUDE	LONGITUDE	
SURVEYED CO-ORDINATES - Derived Using NRCAN PPP Website and Local Static Observations							
CLS 77 P-6-1, 2012	7220901.72	593577.76	7220705.57	593668.41			
CLS 77 P-6-2, 2012	7220676.36	593476.91	7220480.20	593567.56			
CLS 77 P-6-3, 2012	7220005.00	594026.36	7219808.81	594117.02			
GRID AREA							
N.E.			7228321.52	593716.87	65°10'	127°00'	
N.W.			7227973.56	582004.79	65°10'	127°15'	
S.E.			7209753.42	594304.93	65°00'	127°00'	
S.W.			7209403.75	582519.34	65°00'	127°15'	
O-6 N.E.			7220883.38	593585.17	65°06'00.02"	127°00'28.13"	
O-6 N.W.			7220872.49	593218.25	65°06'00.05"	127°00'56.26"	
O-6 S.E.			7220419.18	593599.82	65°05'45.02"	127°00'28.13"	
O-6 S.W.			7220408.28	593232.84	65°05'45.05"	127°00'56.26"	
WELL CENTRE							
O-6	7220814.48	593469.53	7220618.32	593560.18	65°05'51.49"	127°00'30.69"	



DETAIL B: G.P.S SURVEY
SCALE 1:5000

-BEARINGS ARE UTM NAD27, ZONE 9.
-DISTANCES ARE REDUCED TO THE HORIZONTAL
AT GENERAL GROUND LEVEL.

DETAIL A: SURFACE UNIT
SCALE 1 : 5000



GRID AREA 65° 10', 127° 00'
SCALE 1 : 100 000

-Bearing and distances are UTM NAD 27, Zone 9.

CANADA LAND SURVEYS RECORDS
101892
Date: June 11, 2013

PLAN AND FIELD NOTES
OF SURVEY OF
EXPLORATORY WELL
COPRC LOON CREEK O-6
IN UNIT O, SECTION 6
GRID AREA 65° 10', 127° 00'
EXPLORATION LICENCE 470

NORTHWEST TERRITORIES
CANADA OIL AND GAS LAND REGULATIONS

100 50 0 100 200 metres
SCALE 1 : 5000

SURVEYED FOR
CONOCOPHILLIPS CANADA RESOURCES CORPORATION
BY: R. ROBINSON, C.L.S.
2013

-NAD 83 UTM COORDINATES ARE COMPUTED FOR ZONE 9, CENTRAL MERIDIAN 129°W.
BEARINGS WERE DERIVED FROM GPS OBSERVATIONS.
-DISTANCES ARE EXPRESSED IN METRES AND DECIMALS THEREOF.
-DISTANCES SHOWN IN G.P.S. TRAVERSE ARE MEASURED DISTANCES
REDUCED TO THE HORIZONTAL AT GENERAL GROUND LEVEL UNLESS SHOWN OTHERWISE.
-FOR THE COMPUTATION OF COORDINATES MEASURED DISTANCES HAVE BEEN
REDUCED TO THE UTM PLANE BY MULTIPLYING THEM BY AN AVERAGE COMBINED
SCALE FACTOR OF 0.999682.
-NAD 83 UTM COORDINATES ARE CONVERTED TO NAD 27 USING NATIONAL TRANSFORMATION
VERSION 2.

-DISTANCES SHOWN ON GRID AREA SUBDIVISIONS ARE UTM PLANE.
C.L.S. 77 TYPE MONUMENTS FOUND.....
C.L.S. 77 TYPE MONUMENTS PLACED.....
TEMPORARY TRAVERSE POINTS SHOWN THUS (SPIKE 10').....
REFER TO FB 39795 CLSR FOR THE SURVEY REPORT PERTAINING TO THIS SURVEY.

GROUND ELEVATION AT WELL CENTRE IS 252.44 metres.
ELEVATION AT TOP OF FLANGE IS 253.40 metres.
ELEVATIONS WERE DERIVED FROM GPS OBSERVATIONS.

THIS SURVEY WAS EXECUTED DURING THE PERIOD
JULY 17th, 2012 TO JULY 20th, 2012 AND MARCH 24th, 2013 BY RON ROBINSON, C.L.S.

CONOCOPHILLIPS CANADA RESOURCES CORPORATION
(SIGNATURE, TITLE) Drilling Team Lead, Exploration & New Ventures
(SIGNATURE)

Certified Correct and completed on the
4th day of April, 2013

Ron Robinson
C.L.S.
Ron Robinson C.L.S.
APRIL 4th, 2013



Ron Robinson
Comm. No. 1613

May 28, 2013
WITNESS
DATE

Appendix 2 Daily Activity and Cost Summary



Daily Activity and Cost Summary

COPRC LOON CREEK O-06 65-10 127-00

Job Category	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
ABANDONMENT	ABANDONMENT P&A	SURFACE CASING VENT	1/13/2016 00:00	3/13/2016 17:00
AFE / RFE / Maint.# 10385947;10385945	Total Job AFE Amount (Cost) 2,199,650.00	AFE+Supp Amt (Cost) 2,199,650.00	Total Field Estimate (Cost) 1,784,359.02	AFE-Field Estimate (Cost) 415,290.98
Objective Abandon Cut and Cap				
Contractor Rigless		Rig Name/No 414	Rig Type SERVICE RIG	
Contractor Rigless		Rig Name/No 414	Rig Type SERVICE RIG	
DAILY ACTIVITY & COST SUMMARY				
Report No.	Start Date	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum
1	1/13/2016 08:00	12,465.00	12,465.00	SICP: Slight Vacuum MORU 3 light Towers, Flameless heater, Office Trailer, 5 rig mats and 2 C-Cans. Put rig mats and C-Can in place for Secondary Containment. Broke off SCV line and dumped about 2L of environmentally Friendly Antifreeze down SCV to insure it wasnt frozen, all appears clear. No need to use Hyro-Vac cause vent line is above ground. Put heat on wellhead, tarped in and install Roke Vent Nanny. Vent Nanny wouldnt work correctly, removed and stored in warm over night.
2	1/14/2016 08:00	11,616.50	24,081.50	SICP: Slight Vacuum Performed a SCVF bubble test with Flow detected, after 35 secs bubbles started, counted 30+ bubbles a min Installed Roke vent nanny, transmitting good. Continued rigging up secondary containment for 400's and Cement bin.
3	1/15/2016 07:00	29,620.50	53,702.00	SICP: Slight Vacuum Moved on service rig, 50/50 wellsite shack, sewer, generator, doghouse, pump and 5 rig mats. Will get rig tank in AM. Spotted most equipment and rigged up doghouse/accumulator/light plant.
4	1/16/2016 07:30	17,108.23	70,810.23	SICP: Slight Vacuum Finished spotting equipment, started service rig rigup operations. Finished rigging up secondary Containment. Put Heat on wellhead casing with flameless heater.
5	1/17/2016 07:30	14,195.22	85,005.45	SICP: Slight Vacuum Continued service rig rigup operations. Run pump lines, accumulator lines and ground cables. Heat on wellhead casing with flameless heater.
6	1/18/2016 07:30	10,526.70	95,532.15	SICP: Slight Vacuum All equipment rigged in, waiting on equipment to arrive from Alberta.
7	1/19/2016 07:30	14,977.50	110,509.65	SICP: Slight Vacuum All equipment rigged in, waiting on equipment to arrive from Alberta.
8	1/20/2016 06:30	47,027.90	157,537.55	Move in and off-load 12 loads of auxiliary equipment and supplies, Spot equipment in preparation for service rig operations.
9	1/21/2016 07:30	19,837.21	177,374.76	Spot and rig up C & J service rig #414, move in fresh water and apply heat to equipment for the night.
10	1/22/2016 07:30	25,590.25	202,965.01	Complete rig in of service rig equipment, MIRU E-line equipment, make up lubricator and tool string, Rig in stem lines c/w insulated tarping for arctic operations. Prep all equipment for E-line operations following day.
11	1/23/2016 07:30	25,538.00	228,503.01	Fill and pressure test casing to 14 mPa, Rig in E-line, run in the hole with 152.3mm gauge ring / junk basket and tag WR Bridge plug @ 1676.10 mKB - no obstructions.
12	1/24/2016 07:30	32,499.50	261,002.51	Retrieve 2x WR Bridge plugs with E-line, conduct Gamma / CCL log c/w 122mm Gauge Ring to 1806.0 mKB.
13	1/25/2016 07:30	37,148.28	298,150.79	Perforate intervals 1739.0 - 1741.0 mKB / 1696.0 - 1698.0 mKB / 1698.0 - 1700.0 mKB in preparation to abandon Lower Canol.
14	1/26/2016 07:30	36,802.36	334,953.15	Perforate Interval 1681.0-1683.0 mKB as per program / Rig out E-Line / Remove Master Valve / Nipple up Bop's - Pressure test / Tarp in and apply heat for the night.
15	1/27/2016 07:30	23,061.12	358,014.27	Run in the hole with 60.3mm Slick String (landed EOT @ 1760.0 mKB) for upcoming cement operations / Orogro + AER Representatives on location, conduct inspection (accumulator / Bop function test) with no deficiencies noted. MIRU SLB cement pumper and batch mixer.
16	1/28/2016 07:30	137,704.23	495,718.50	Conduct cement squeeze on Lower Canol Perforations. Total of 6.2m ³ SqueezeCrete placed, Total of 3.48m ³ cement squeezed away into Lower Canol Perforations, Well was shut in over night with 13,060 kPa, Estimated Cement top @ 1623.72 mKB (calculated) with cement plug from 1760.0 mKB to 1623.72 mKB (136.28m plug).

Daily Activity and Cost Summary

COPRC LOON CREEK O-06 65-10 127-00

DAILY ACTIVITY & COST SUMMARY

Report No.	Start Date	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum
17	1/29/2016 07:30	25,414.91	521,133.41	SICP = 12,600 kPa / RIH and tag cement top @ 1656.44mKB - place 2,000daN string weight on tag / Pressure test cement plug to 14.0 mPa for 10min - solid test / POOH 60.3mm slick string (173 jts) / MIRU Lonkar e-line, prep all equipment to perforate in the am.
18	1/30/2016 07:30	39,286.86	560,420.27	Rig in Lonkar E-line, perforate Imperial Sand Interval 1355.0 - 1359.0 mKB / Attempt to Establish Feed Rate - pressured up to 8400 kPa with no leak off / RIH 143 Jts of tbg in preparation for acid wash / squeeze in am - EOT landed @ 1369.02mKB.
19	1/31/2016 07:30	46,551.66	606,971.93	Conduct 2.0m ³ Acid wash / squeeze job as per program, Pull 60.3mm Tbg out of the hole in preparation to run retainer in the morning.
20	2/1/2016 07:30	36,379.14	643,351.07	MIRU Lonkar E-line, Set 7"- 69.0 mPa PCR Cement Retainer @ 1349.0 C.E. / Pressure test retainer to 21.0 mPa / RIH 60.3mm tbg c/w Snap Latch Stinger assembly / Establish Feed Rate.
21	2/2/2016 07:30	78,585.58	721,936.65	MIRU SLB Cementers, Conduct 3.0m ³ Retainer squeeze as per program - Final Squeeze Pressure = 9,431kPa with 2.5m ³ cement squeezed past retainer. POOH 60.3mm Tbg string c/w Snap Latch Stinger Assembly.
22	2/3/2016 07:30	44,280.53	766,217.18	MIRU Lonkar E-line, Run in the hole and perforate Imperial Sand 1339.0 - 1342.0 mKB / Attempt to establish feed rate, reached max pressure of 11.0 mPa with no feed rate or leak off / Dump Bail 3 lineal meters on top of retainer set @ 1348.80mKB (Top) / Set 7"-69.0 mPa PCR Cement Retainer @ 1334.80 mKB (Top) / Rig out E-line and prep to RIH c/w stinger in am.
23	2/4/2016 07:30	37,016.56	803,233.74	RIH 60.3mm tbg c/w stinger, pressure tested the retainer. MIRU SLB acid pumper, established a feed rate, Conducted a 2m ³ acid squeeze as per program with 15% Synthetic acid.
24	2/5/2016 07:30	94,900.16	898,133.90	MIRU SLB Cementers, Conduct 3.2m ³ Retainer squeeze - Final Squeeze Pressure = 10,472kPa with 2.8m ³ cement squeezed past retainer and 20m of cement on top of retainer. Begin to POOH 60.3mm Tbg string c/w Snap Latch Stinger Assembly.
25	2/6/2016 07:30	34,677.70	932,811.60	Pull out of hole 60.3mm tubing and stinger. MIRU Lonkar E-line, Run in the hole and perforate Imperial Sand 1267.0 - 1269.0mKB. Perforate Imperial Sand 1265.0-1267.0mKB Reverse Phased gun only.
26	2/7/2016 07:30	29,060.80	961,872.40	Attempt feed rate, no feed rate. Perforate Imperial Sand 1265.0-1267.0mKB Regular Phased gun. Run in hole 60.3mm tubing, land tubing hanger for acid wash and squeeze. End of tubing at 1276.73mKB
27	2/8/2016 07:30	31,966.00	993,838.40	Conduct 2.0m ³ Acid wash / squeeze job as per program, Pull 60.3mm Tbg out of the hole in preparation to run retainer in the morning.
28	2/9/2016 07:30	117,950.64	1,111,789.04	Run in hole mechanical set retainer on 60.3mm tubing. Set retainer top @ 1257.36mKB Perform 1m ³ 1680kg/m squeezeCRETE and 5m ³ 1900kg/m G cement squeeze. Sting out and backwash tubing. Pull up 10 joints of tubing.
29	2/10/2016 07:30	24,841.40	1,136,630.44	Run in hole to 1190.7mKB. Circulate well over to clean potable water containing <4000mg/L TDS. Pull out of hole and lay down tubing. Fluid level calculated at 61m. Remove bop's and install 7-1/16 x 10k master valve with 2-1/16 master valve on top.
30	2/11/2016 07:30	32,021.95	1,168,652.39	Rig out service rig and auxillary equipment. Cleaned rig tank. Heat wellhead and vent meter.
31	2/12/2016 07:30	5,130.50	1,173,782.89	Move service rig/ equipment and fluids to P-20 location.
32	2/13/2016 07:30	2,215.00	1,175,997.89	Move off remaining equipment on lease.
33	2/29/2016 18:00	10,235.00	1,186,232.89	Spot & Rig in Light Towers + Spot & Rig in Free Standing C&J Service Rig # 414. Re-Tarped Wellhead + Continued to Heat Wellhead & Vent Nanny with Jet Heater.
34	3/1/2016 09:00	51,927.70	1,238,160.59	MIRU Service Rig & Equipment, MIRU E-Line, RIH Gauge Ring/GR/CCL to 1,010 mKB, Pulled GR/CCL Log from 1,010 mKB to Surface, RIH & Set Cement Retainer ce @ 960.0 mKB, Rigged out E-Line, Finished Stump Testing Class III BOP Stack.
35	3/2/2016 06:00	62,777.47	1,300,938.06	Removed Gate Valve, Installed Class III BOP Stack, Rigged in Rig Floor, P Tested BOPs, P Tested Cement Retainer to 7,000 kPa, RIH E-line - perforate 936.0 - 938.0 mKB interval as per program, attempt to establish feed rate - 7.0 mPa, no feed rate, no leak off, RIH 60.3mm TBG, Tagged Retainer, Spaced out & Landed TBG Hanger with EOT @ 954.73 mKB, Installed Lock Downs, Drained up, Boilerman on duty through the night.
36	3/3/2016 06:00	28,415.00	1,329,353.06	Performed Acid Wash & Squeeze; Completed 10 x 100 liters Acid Washes, No Leakoff during Acid Washes with 7,000 kPa Pressure, Achieved Breakdown @ 11,720 kPa, Established Feedrate @ 50 liters/min @ 11,376 kPa - Pumped 1.25 m ³ Potable Water, Increased Pump Rate to 75 liters/min - Pressure Steady @ 11,790 kPa, ISIP = 11,735 kPa, 5 min: SITP = 11,418 kPa, 15 min: SITP = 11,259 kPa, SWFN.
37	3/4/2016 06:00	81,382.00	1,410,735.06	MIRU Cementers, Mixed and Spotted 4.12 m ³ Balanced Plug of 1,900 kgs/m ³ Class G Cement, POH TBG above Cement Top + Back Washed, POH 3 Jts, Landed TBG Hanger with EOT @ 712.75 mKB, Schlumberger Squeezed Cement 1.0 m ³ @ 50 l/min, 1.0 m ³ @ 25 l/min + 0.80 m ³ @ 15 l/min, Reached Max Pressure of 18,078 kPa, Squeezed 2.80 m ³ Total (worked cement for 3.5 Hrs), 10 min: SIP = 18,015 kPa, RO&R Cementers, Drained up, SWFN.

Daily Activity and Cost Summary

COPRC LOON CREEK O-06 65-10 127-00

DAILY ACTIVITY & COST SUMMARY

Report No.	Start Date	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum
38	3/5/2016 06:00	51,264.00	1,461,999.06	SIP's = 15,690 kPa, Bled Dead, P Tested 7,000 kPa, Solid 10 min P Test, RIH TBG & Tagged Cement Top @ 872 mKB, POH 60.3mm TBG, MIRU E-Line, RIH 149mm Gauge Ring to 867.5 mKB, Pulled CBL Log from 869.4 mKB to 540.0 mKB, Repeated CBL with 10,000 kPa Pressure Pass, Made up, RIH, Logged on Depth & Perforated 769.0 - 770.0 mKB (1.0m) as per Program, RIH & Set PBP ce @ 770.5 mKB, Rigged out E-Line, Drained Up, SWFN, Boilerman on Duty through the Night.
39	3/6/2016 06:00	42,448.00	1,504,447.06	MIRU E-Line + Pressure Truck, E-Line ran Temp Log, Mixed + Dump Bailed 170 liters of ResinBond Cement above PBP, Estimate Squeezing 20 liters of ResinBond to Refusal @ 18,000 kPa, 15 min: SICP = 18,000 kPa, RO&R Pressure Truck & E-Line, Secured Well, Heated BOPs, SCV, Vent Nanny & Fluid through the Night.
40	3/7/2016 06:00	60,625.00	1,565,072.06	SICP = 16,900 kPa, Bled CSG, Rigged in E-Line, RIH Gauge Ring, Tagged Cement Top @ 762 mKB, RIH & Set PBP ce @ 760 mKB, P Tested to 7,000 kPa, RIH & Perforated Squeeze Perfs from 730.0 - 731.0 mKB as per Program, Dump Bailed 8 l/m Class G Cement on PBP, Set a PBP ce @ 731.5 mKB, MIRU Pressure Truck, Mixed & Dump Bailed 170 liters of ResinBond Cement, Estimated Squeezing 6.5 liters Cement to Refusal @ 18,500 kPa, Heated BOPs, Lub + SCV Overnight.
41	3/8/2016 06:00	35,027.00	1,600,099.06	SICP = 17,100 kPa, Bled Pressure to Zero, P Tested Cement to 7,000 kPa, RIH Gauge Ring, Tagged Cement Top @ 723.1 mKB, RIH PBP, Applied 7,000 kPa, Set PBP ce @ 721 mKB, P Tested PBP to 7,000 kPa, Mixed & Dump Bailed 3 l/m of ResinBond Cement above PBP, SWFN, Heated E-Line Lub, BOPs, Fluid, SCV + Vent Nanny through the Night.
42	3/9/2016 06:00	25,322.50	1,625,421.56	SICP = Zero, Performed Bubble Test on SCV, No Bubbles in 10 mins, Rigged out & Racked E-Line & Pressure Truck on Lease, Hauled out Cement Bins, Monitored SCV with Vent Nanny, Wellhead Secured. Continued to Heat BOPs, Water Tanks, Vent Nanny + SCV.
43	3/10/2016 06:00	62,263.25	1,687,684.81	MIRU E-Line, RIH 148.9mm Gauge Ring and tag Cement top @ 715.70mKB, RIH and perforate interval 705.0 - 706.0 as per program, Set 177.8mm - 10K PBP @ 706.5mKB (Top), Dump Bail 170 L (8.5 lineal meters) of ResinBond Cement, Conduct Cement squeeze to refusal with 14,000 kPa - 8 liters cement squeezed, Secure well with 14,000 kPa over night.
44	3/11/2016 06:00	37,953.01	1,725,637.82	SICP=13,300 kPa, Bleed off and pressure test cement to 7.0 mPa, RIH Gauge ring and tag cement top @ 698.0 mKB, Set Permanent Bridge Plug @ 686.0 C.E, Pressure test to 7.0 mPa, Dump Bail 8.5 lineal meters Class G cement placing cement top @ 687.30 mKB. RDMO Wireline + Associated services, clean out rig tank, rig out service rig auxiliary services. Wellhead installed with bull plugged tbg hanger - pressure tested to 21.0 mPa and winterized with methanol.
45	3/12/2016 07:30	32,377.50	1,758,015.32	08:30 Hrs: Conduct bubble test on SCV for 10min with no flow, Rig out Service rig and auxiliary equipment, demobilize all equipment off location to Norman Wells.
46	3/13/2016 07:30	26,343.70	1,784,359.02	Cut and Capped with NewWave procedure, bell holes backfilled and all equipment hauled off-site.

Appendix 3 Daily Reports



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 1

Report Date: 1/13/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/13/2016 08:00	Report End Date 1/13/2016 19:00	Daily Cost Total (Cost) 12,465.00	Cumulative Cost (Cost) 12,465.00	Personnel Regular Hours (hr) 74.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Chris Tucker, 780-882-9501							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast/Snowing	Temperature (°C)	Lease Condition -21	Good		
Last 24hr Summary SICP: Slight Vacuum							
MORU 3 light Towers, Flameless heater, Office Trailer, 5 rig mats and 2 C-Cans. Put rig mats and C-Can in place for Secondary Containment. Broke off SCV line and dumped about 2L of environmentally Friendly Antifreeze down SCV to insure it wasnt frozen, all appears clear. No need to use Hyro-Vac cause vent line is above ground. Put heat on wellhead, tarped in and install Roke Vent Nanny. Vent Nanny wouldnt work correctly, removed and stored in warm over night.							
24hr Forecast Finish Secondary Containment for 2 400's and cement bin. Get Roke Vent Nanny operating and attend start up saftey meeting @ 1600hrs.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P-T-X	Trbl Code	Operation
08:00	09:00	1.00	WELLPR	SFTY	P		Held PJHA meeting #12012016 with all personal on today's operations and procedures to be followed, talked about possible hazards and ways they will be avoided. Checked all personals tickets and orientations.
09:00	12:30	3.50	WELLPR	MOB	P		Meet with CPC (Mac) on location to confirm location pad is good for what we require for Secondary Containment and spotting rig and support equipment Friday. Performed walk around lease with gas Monitor, no LEL detected. SICP: Slight Vacuum Checked pad dimensions with measuring tape for proper spacing's. Spotted 2 light Towers, Flameless Heater and Office Trailer on Location. Put heat on wellhead with Flameless heater and tarped in. Drip trays under all equipment and planks under flameless heater hose so snow won't melt. Wait on the rest of the equipment to arrive.
12:30	15:30	3.00	WELLPR	MOB	P		12:30hrs Some equipment arrived, but one truck needed to round trip. Spotted 3 rig mats for secondary equipment into position, couple mats in rough shape, flipped them over and they were good for Containment. Told truck driver not to bring more bad mats. Trucks returning for another load.
15:30	18:30	3.00	WELLPR	MOB	P		1530hrs 2 more rig mats arrived and both C-Cans, spotted rig mats and C-Cans containing Secondary Containment equipment. Roke Vent Nanny equipment arrives, checked equipment and all in good shape. Start install on on SCV. Broke off SCV line and dumped about 2L of environmentally Friendly Antifreeze down SCV to insure it wasnt frozen, all appears clear. Had problem with possibly electronic on Vent Nanny, equipment very cold with frost on terminals. PC working slow and cant seem to lock on to sat. Put electronics and batteries in warm shack on location over night, try again in mornig with warm equipment. Roke worker is pretty confident its cold connection and cold batteries that havent been charging in 7 days. Lines ran and ready on Vent Nanny, should be a quick hook up in the morning.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 1
 Report Date: 1/13/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	***VENDOR NOT LISTED***	Q300	2,700.00
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	1,140.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	175.00
Trucking/Hauling/ Hot Shot Services	PBN ENERGY SERVICES LTD	P100	1,860.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	555.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	30.00
Wellsite Supervision & Engineering	TECTONIC ENERGY CONSULTING INC	T130	1,620.00

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 2
 Report Date: 1/14/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080	
Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02
Objective Abandon Cut and Cap					
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00	
Daily Operations					
Report Start Date 1/14/2016 08:00	Report End Date 1/14/2016 13:30	Daily Cost Total (Cost) 11,616.50	Cumulative Cost (Cost) 24,081.50	Personnel Regular Hours (hr) 48.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Chris Tucker, 780-882-9501					
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Sunny	Temperature (°C)	-14	Lease Condition Good
Last 24hr Summary SICP: Slight Vacuum Performed a SCVF bubble test with Flow detected, after 35 secs bubbles started, counted 30+ bubbles a min Installed Roke vent nanny, transmitting good. Continued rigging up secondary containment for 400's and Cement bin.					
24hr Forecast MORU service rig and support equipment. begin rig in operations and procedures.					
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation
08:00	08:30	0.50	WELLPR	SFTY	Held PJHA meeting # 14012016 with all personal on location, talked about possible hazards and ways they will be avoided. Talked about operations to be performed and individuals tasks.
08:30	10:30	2.00	WELLPR	PRLO	Performed morning walk around, nothing out of place. Did gas sweep with monitor with no LEls detected.
10:30	12:30	2.00	WELLPR	PRLO	Performed a 10min bubble test on SCV, bubble test failed with a count of 30+ bubbles a min. Installed Roke Vent Nanny on SCV with warm equipment, linked up to sat. and waited to make sure it had a data link-up. Swept off rig mats for containment, Layed down GEO Mat on top of rig mats. Installed secondary containment walls, 40' x 24' (3 panels x 5 panels, 8 foot panels) 3.2 feet clearance on the sides and 4 feet in the front. Stored unused equipment back in C-Cans for next lease. Moved C-Cans to edge of lease for easy access later. Put liner on Mat inside containment and tarped over, run hose from flameless heater to Liner and heat over night.
12:30	13:30	1.00	WELLPR	SISW	13:30 hrs Shut down operations and drove to town for safety kickoff meeting with all personal available and companies involved.
Report Fluids Summary					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
Daily Costs					
BU Desc		Vendor	Activity Code	Amount (Cost)	
Surface Completion Equipment Rental	***VENDOR NOT LISTED***		Q300	1,800.00	
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC		P100	900.00	
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC		P100	1,080.00	
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC		P100	2,250.00	
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC		P100	1,474.00	
Surface Completion Equipment Rental	HRN CONTRACTING LTD		Q300	175.00	
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD		Q300	500.00	
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD		Q300	125.00	
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD		G300	907.50	
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD		Q300	555.00	
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD		Q300	200.00	
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC		Q300	30.00	
Wellsite Supervision & Engineering	TECTONIC ENERGY CONSULTING INC		T130	1,620.00	

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 2

Report Date: 1/14/2016

Final Job Status: ABANDONED

Final Report? Yes

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)			
Perforations				
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 3

Report Date: 1/15/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/15/2016 07:00	Report End Date 1/15/2016 18:00	Daily Cost Total (Cost) 29,620.50	Cumulative Cost (Cost) 53,702.00	Personnel Regular Hours (hr) 116.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Chris Tucker, 780-882-9501							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast/snowing	Temperature (°C)	-20	Lease Condition Good		
Last 24hr Summary SICP: Slight Vacuum							
Moved on service rig, 50/50 wellsite shack, sewer, generator, doghouse, pump and 5 rig mats. Will get rig tank in AM. Spotted most equipment and rigged up doghouse/accumulator/light plant.							
24hr Forecast Continue spotting rig up operations on service rig equipment. Finish installing secondary containment.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:00	07:30	0.50	WELLPR	SFTY	P		Held PJHA meeting #15012016 with all trucking personal at Canols shop at 0700hrs, Talked about possible hazards and ways they will be avoided. Discussed trucking operations and procedures for loading and unloading equipment in yard and at site.
07:30	09:00	1.50	WELLPR	MOB	P		Drove to location. Performed daily walk around on location, checked for fuel leaks and containment spills, everything is good. Swept lease for gas with LEL monitor with no LEL's detected.
09:00	18:00	9.00	WELLPR	MOB	P		Trucks loading in Norman Wells with service rig and support equipment. Had to pull Service rig up kilometer 6 hill with bed truck. Sewer and generator arrived first, unloaded and wait on wellsite shack. Spotted 50/50 Wellsite shack, spotted Sewer and generator accordingly. Spotted Doghouse/Accumulator/Light Plant. Spotted 2 rig mats for rig and Rig pump. Started rig up operations on doghouse.
Report Fluids Summary							
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)		
Daily Costs							
BU Desc			Vendor		Activity Code	Amount (Cost)	
Service Rig			C&J ENERGY PRODUCTION SERVICES CANADA LTD		E120	5,534.50	
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100	2,160.00	
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100	1,950.00	
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100	1,526.00	
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100	5,130.00	
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100	4,345.00	
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100	2,660.00	
Surface Completion Equipment Rental			HRN CONTRACTING LTD		Q300	350.00	
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300	500.00	
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD		G300	1,185.00	
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300	125.00	
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300	555.00	
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300	200.00	
Surface Completion Equipment Rental			RIGSAT COMMUNICATIONS INC		Q300	30.00	
Wellsite Supervision & Engineering			TECTONIC ENERGY CONSULTING INC		T130	1,620.00	

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 3

Report Date: 1/15/2016

Final Job Status: ABANDONED

Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
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
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	900.00

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 4

Report Date: 1/16/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/16/2016 07:30	Report End Date 1/16/2016 18:00	Daily Cost Total (Cost) 17,108.23	Cumulative Cost (Cost) 70,810.23	Personnel Regular Hours (hr) 88.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Chris Tucker, 780-882-9501							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C)	-23	Lease Condition Good		
Last 24hr Summary SICP: Slight Vacuum							
Finished spotting equipment, started service rig rigup operations. Finished rigging up secondary Containment. Put Heat on wellhead casing with flameless heater.							
24hr Forecast Continue rigging in service rig and support equipment.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation		
07:30	08:00	0.50	WELLPR	SFTY	Held PJHA # 16012016 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	09:00	1.00	WELLPR	SFTY	Performed Daily walk around equipment, looked for any fuel leaks or containment spills, all good. Swept lease with gas monitor with no LEls detected.		
09:00	17:00	8.00	WELLPR	MOB	Note: Vent Nanny was shut in remotely for build up readings by operator (Joel) as instructed by Calgary Office at approx 9:00am Continue rig in operations. Spotted rig tank and pump at legal distances of 50m from wellhead and pump exaust 7m from open tank. Spotted a couple mats where needed and moved some equipment on lease for better access. Rigged in sewer system on 50/50 wellsite trailer. Finsihed rigging up secondary containment for tanks and cement bin. Liner was very difficult to install in containment walls. The cold temps caused liner to become very stiff and slippery. Put tarp around wellhead and flameless heater on idle, planks under heater hose so we dont melt the snow.		
17:00	18:00	1.00	WELLPR	SVRG	Rig crew finished cleaning up and fixing circulating heaters on pump. SDFN		
Report Fluids Summary							
Fluid	To lease (m³)		From lease (m³)	To well (m³)	From well (m³)		
					Left to recover (m³)		
Daily Costs							
BU Desc			Vendor	Activity Code	Amount (Cost)		
Service Rig			C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	4,642.50		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC	P100	3,465.00		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC	P100	2,250.00		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC	P100	880.00		
Surface Completion Equipment Rental			HRN CONTRACTING LTD	Q300	350.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD	Q300	500.00		
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD	G300	968.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD	Q300	125.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD	Q300	555.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD	Q300	200.00		
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD	G300	672.73		
Surface Completion Equipment Rental			RIGSAT COMMUNICATIONS INC	Q300	30.00		

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 4

Report Date: 1/16/2016

Final Job Status: ABANDONED

Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Wellsite Supervision & Engineering	TECTONIC ENERGY CONSULTING INC	T130	1,620.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 5
 Report Date: 1/17/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579	
Surface Legal Location O-6 65-10 127-00		API / UWI 300/O06 65-10 127-00/0		License No. EL 470 WID 2080		
Job Information						
Job Category ABANDONMENT		Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02	
Objective Abandon Cut and Cap						
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault	
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77		
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00		
Daily Operations						
Report Start Date 1/17/2016 07:30	Report End Date 1/17/2016 16:00	Daily Cost Total (Cost) 14,195.22	Cumulative Cost (Cost) 85,005.45	Personnel Regular Hours (hr) 232.00		
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Chris Tucker, 780-882-9501					Rig Rigless, 414	
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C)	Lease Condition -21 Good		
Last 24hr Summary SICP: Slight Vacuum						
Continued service rig rigup operations. Run pump lines, accumulator lines and ground cables. Heat on wellhead casing with flameless heater.						
24hr Forecast General maintenance on equipment and provide help on E-76 well with setting containment liner.						
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation	
07:30	08:00	0.50	WELLPR	SFTY	Held PJHA # 17012016 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	WELLPR	SFTY	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	14:30	6.00	WELLPR	MOB	Continue rig in operations. Rigged in pump lines and accululator lines. Checked pre-charge in accumulator bottles, border line pass (7000KPa on a couple bottles) there is N2 bottle in Sea-Can that Nabors has coming to charge up above 7000KPa. equipment all fired without problems in the cold today, all block heaters working	
14:30	15:30	1.00	WELLPR	SVRG	Pick up tools and SDFN	
Report Fluids Summary						
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)	
Daily Costs						
BU Desc		Vendor			Activity Code	Amount (Cost)
Surface Completion Equipment Rental		***VENDOR NOT LISTED***			Q300	4,070.00
Completion Fluids & Other Chem		BAKER PETROLITE			G300	163.72
Service Rig		C&J ENERGY PRODUCTION SERVICES CANADA LTD			E120	4,642.50
Surface Completion Equipment Rental		HRN CONTRACTING LTD			Q300	350.00
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD			Q300	500.00
Completion Fluids & Other Chem		PBN ENERGY SERVICES LTD			G300	1,089.00
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD			Q300	125.00
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD			Q300	555.00
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD			Q300	200.00
Surface Completion Equipment Rental		RIGSAT COMMUNICATIONS INC			Q300	30.00
Wellsite Supervision & Engineering		TECTONIC ENERGY CONSULTING INC			T130	1,620.00
Surface Completion Equipment Rental		TRUMPETER CAMP COMPANY PARTNERSHIP LTD			Q300	350.00
Surface Completion Equipment Rental		TRUMPETER CAMP COMPANY PARTNERSHIP LTD			Q300	450.00
Surface Completion Equipment Rental		TRUMPETER CAMP COMPANY PARTNERSHIP LTD			Q300	50.00
Cumulative Job Flared Gas By Zone						
Zone	Volume Gas Total (E3m³)					

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 5

Report Date: 1/17/2016

Final Job Status: ABANDONED

Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
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1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 6
Report Date: 1/18/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/18/2016 07:30	Report End Date 1/18/2016 16:00	Daily Cost Total (Cost) 10,526.70	Cumulative Cost (Cost) 95,532.15	Personnel Regular Hours (hr) 232.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Chris Tucker, 780-882-9501							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C)	-22	Lease Condition Good		
Last 24hr Summary SICP: Slight Vacuum							
All equipment rigged in, waiting on equipment to arrive from Alberta.							
24hr Forecast Waiting on road weights for equipment to arrive.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation		
07:30	08:00	0.50	WELLPR	SFTY	Held PJHA # 18012016 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	WELLPR	SFTY	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	14:30	6.00	WELLPR	MOB	Continue rig in operations. Cut liner pieces to lay under line pipe and cement lines so snow dont melt when pumping warm fluid. Shoveled out junk box. Crew helping install liner on E-76 lease.		
14:30	15:30	1.00	WELLPR	SVRG	Pick up tools and SDFN		
Report Fluids Summary							
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)		
Daily Costs							
BU Desc		Vendor		Activity Code	Amount (Cost)		
Service Rig		C&J ENERGY PRODUCTION SERVICES CANADA LTD		E120	4,232.50		
Surface Completion Equipment Rental		HRN CONTRACTING LTD		Q300	350.00		
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD		Q300	500.00		
Completion Fluids & Other Chem		PBN ENERGY SERVICES LTD		G300	629.20		
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD		Q300	125.00		
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD		Q300	555.00		
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD		Q300	200.00		
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD		Q300	1,435.00		
Surface Completion Equipment Rental		RIGSAT COMMUNICATIONS INC		Q300	30.00		
Wellsite Supervision & Engineering		TECTONIC ENERGY CONSULTING INC		T130	1,620.00		
Surface Completion Equipment Rental		TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300	350.00		
Surface Completion Equipment Rental		TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300	450.00		
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		
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended		

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 6

Report Date: 1/18/2016

Final Job Status: ABANDONED

Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 7
Report Date: 1/19/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080	
Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02	
Objective Abandon Cut and Cap					
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00	
Daily Operations					
Report Start Date 1/19/2016 07:30	Report End Date 1/19/2016 16:00	Daily Cost Total (Cost) 14,977.50	Cumulative Cost (Cost) 110,509.65	Personnel Regular Hours (hr) 240.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Chris Tucker, 780-882-9501					
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C)	-21	Lease Condition Good
Last 24hr Summary SICP: Slight Vacuum					
All equipment rigged in, waiting on equipment to arrive from Alberta.					
24hr Forecast Trucks arriving with equipment, unload trucks and continue rig up operations.					
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	Held PJHA # 19012016 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	WELLPR	SFTY	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	14:30	6.00	WELLPR	MOB	Continue rig in operations. Cut liner pieces to lay under boiler lines so it dont melt snow/ice pad.
14:30	15:30	1.00	WELLPR	SVRG	Pick up tools and SDFN
Report Fluids Summary					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	13.00	13.00			
Daily Costs					
BU Desc	Vendor			Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD			E120	6,000.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD			Q300	350.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD			T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD			Q300	500.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD			Q300	1,435.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD			G300	907.50
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD			Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD			Q300	555.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD			Q300	200.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC			Q300	30.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC			Q300	30.00
Surface Equipment / Installation	STREAM-FLO INDUSTRIES LTD			B110	755.00
Wellsite Supervision & Engineering	TECTONIC ENERGY CONSULTING INC			T130	1,620.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD			Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD			Q300	450.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD			Q300	50.00
Cumulative Job Flared Gas By Zone					
Zone	Volume Gas Total (E3m³)				

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 7

Report Date: 1/19/2016

Final Job Status: ABANDONED

Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
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2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 8

Report Date: 1/20/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/20/2016 06:30	Report End Date 1/20/2016 19:30	Daily Cost Total (Cost) 47,027.90	Cumulative Cost (Cost) 157,537.55	Personnel Regular Hours (hr) 344.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C)	-25	Lease Condition Good		
Last 24hr Summary Move in and off-load 12 loads of auxiliary equipment and supplies, Spot equipment in preparation for service rig operations.							
24hr Forecast Rig in service rig and auxiliary equipment.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P-T-X	Trbl Code	Operation
06:30	07:00	0.50	WELLPR	SFTY	P		Conduct Safety meeting with all VDM personnel in Trumpeter camp, Document and discuss all hazards associated with Crossing the Ice Bridge, Travelling down access roads, Unloading equipment on location, CPC Rules and Regulations. Review CPC PJHA with all personnel and determine load order to ensure equipment arriving in proper sequence.
07:00	08:00	1.00	WELLPR	MOB	P		Mobilize all equipment to location from Norman Wells.
08:00	08:30	0.50	WELLPR	SFTY	P		Hold safety meeting with all Nabor's, Canol, Frontier Medix + Halliburton personnel, Document and discuss all hazards associated with spotting equipment, working with winch + Picker trucks, Review CPC PJHA, IWTP and 8 life saving rules. Check all personnel's CPC orientation and field tickets - all valid.
08:30	13:30	5.00	WELLPR	MOB	P		<ul style="list-style-type: none"> - Re-locate service rig to accomodate spotting boiler's, spot service rig off to side of doghouse (30m from wellhead). - Unload 12x loads of auxiliary equipment consisting of the following: <ul style="list-style-type: none"> - 2x C & J Boilers. - 7 1/16-5K Bop's (broke down in components) - Replacement work floor, hand rails and stairs for service rig. - Catwalk and pipe racks. - C + J 8 x 40' c-can. - 1x HD single tier work floors. - 3x 400bbl insulated tanks - 3x light tower's - Multiple skids + boxes of various supplies and equipment. - Spot light towers off to side of location. - Spot Boiler's parrallel on double stacked skids to prevent ice pad from melting. - Spot catwalk and pipe racks. - Unpack supplies from Crates and c-can - Tarp in wellhead and master valve and apply heat with flameless heater. - Unload tools necessary to drill larger holes in work floor guide rail to accomodate new rig floor. <p>Note: CPC WSS attended C & J safety meeting regarding drilling holes with mag drill to accomodate new rig floor. C & J personnel working under their operational control while conducting the alterations on their rig.</p>
13:30	19:30	6.00	WELLPR	RURD	P		<ul style="list-style-type: none"> - Assemble Class III Bop's on Pressure testing stump. - Haul in Diesel and fill boilers (8,000L in primary boiler, 2,000L in back-up Boiler) - Apply heat to boilers with herman nelson heaters. - Flood Boilers, fire and build head of steam - Back-up boiler will not fire, Boiler tech determined issue with transformer, tied in primary boiler to back-up boiler to circulate through out night to keep both boiler's warm. - Secure all equipment, pick up all tools and SDFN. - Note: 5 Holes left to drill on Floor rail - had issues with electrical chord snapping due to cold weather delaying operations.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 8
 Report Date: 1/20/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	26.00	0.00			

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	8,537.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	4,710.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	4,410.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	350.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	705.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	617.10
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
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	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	185.00
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	RIGSAT COMMUNICATIONS INC	Q300	30.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	30.00
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	12,000.00
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	2,188.80
Wellsite Supervision & Engineering	TECTONIC ENERGY CONSULTING INC	T130	1,620.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	50.00
Trucking/Hauling/ Hot Shot Services	V D M TRUCKING SERVICE LTD	P100	1,710.00
Trucking/Hauling/ Hot Shot Services	V D M TRUCKING SERVICE LTD	P100	1,140.00
Trucking/Hauling/ Hot Shot Services	V D M TRUCKING SERVICE LTD	P100	1,140.00
Trucking/Hauling/ Hot Shot Services	V D M TRUCKING SERVICE LTD	P100	1,140.00
Trucking/Hauling/ Hot Shot Services	V D M TRUCKING SERVICE LTD	P100	950.00
Trucking/Hauling/ Hot Shot Services	V D M TRUCKING SERVICE LTD	P100	1,805.00

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 8

Report Date: 1/20/2016

Final Job Status: ABANDONED

Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 9
 Report Date: 1/21/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/21/2016 07:30	Report End Date 1/21/2016 19:30	Daily Cost Total (Cost) 19,837.21	Cumulative Cost (Cost) 177,374.76	Personnel Regular Hours (hr) 328.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C)	-24	Lease Condition Good		
Last 24hr Summary Spot and rig up C & J service rig #414, move in fresh water and apply heat to equipment for the night.							
24hr Forecast MIRU Lonkar E-line unit, RIH Guage Ring + recover Bridge Plugs (x2).							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P-T-X	Trbl Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	P		Conduct Safety meeting with all personnel, document and discuss hazards associated with spotting and rigging up service rig, working with steam, and multiple services. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	12:30	4.50	WELLPR	RURD	P		<ul style="list-style-type: none"> - Fire up equipment, conduct morning walk around inspection of wellhead and site to ensure no spills, leaks and/or melting of pad - no issues. - C & J continued to drill remaining 5 holes on rail for new floor install under their operational control. - Install new rig floor with picker and secure to rig. - Prep service rig to spot on matting. - Boiler tech repaired malfunctioning transformer on back-up boiler, fire boiler - boiler operational. - VDM transport arrived with Lonkar c-can and nitro tech mobile nitrogen trailer. - Off-load c-can and nitro tech trailer, spotting off to side of location.
12:30	19:30	7.00	WELLPR	SVRG	P		<ul style="list-style-type: none"> - Spot service rig on matting - Rig in beam and secure rig with support jacks. - Install all stairways and hand railings - Conduct derrick inspection prior to hoisting mast. - Stand and secure mast, scope out and secure top section. - Center blocks over hole and secure load lines. - SLB Toolhand + Lonkar personnel went through c-cans and ensured all equipment accounted for. - Lay out and rig in boiler lines, tarp in bop's. - Haul in fresh water, fill rig tank and apply heat on water and equipment for the night. - Secure equipment, pick up tools. - SDFN.
Report Fluids Summary							
Fluid	To lease (m³)		From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)	
FRESH WATER		22.00		8.00			
Daily Costs							
BU Desc			Vendor	Activity Code	Amount (Cost)		
Service Rig			C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	11,954.00		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC	P100	1,982.00		
Surface Completion Equipment Rental			HRN CONTRACTING LTD	Q300	350.00		
Wellsite Supervision & Engineering			MINAULT ENERGY SERVICES LTD	T130	1,620.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD	Q300	705.00		
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD	G300	871.21		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD	Q300	125.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD	Q300	185.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD	Q300	185.00		

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 9

Report Date: 1/21/2016

Final Job Status: ABANDONED

Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
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	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	200.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	30.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 10

Report Date: 1/22/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/22/2016 07:30	Report End Date 1/22/2016 19:00	Daily Cost Total (Cost) 25,590.25	Cumulative Cost (Cost) 202,965.01	Personnel Regular Hours (hr) 332.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C)	-23	Lease Condition Good		
Last 24hr Summary Complete rig in of service rig equipment, MIRU E-line equipment, make up lubricator and tool string, Rig in stem lines c/w insulated tarping for arctic operations. Prep all equipment for E-line operations following day.							
24hr Forecast Rig in E-line, Conduct multiple e-line runs in preparation for abandoning Lower Canol Interval.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	P		Conduct Safety meeting with all personnel, document and discuss hazards associated with rigging in rig floor, spotting and rigging in E-line, working with steam, and multiple services. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	12:30	4.50	WELLPR	SVRG	P		- Conduct walk-around inspection and LEL sweep - no LEL's detected, no spills or leaks identified on any equipment. - Check well pressure = slight vac / SCVF = 18 kPa. - Remove 7 1/16"-10K x 2 1/16" gate valve from top of 7 1/16" master valve. - Install 7 1/16-10K x 7 1/16-5K DSA on top of master valve. - Lonkar reps utilized loader to empty c-can and inventory equipment to ensure all accounted for and in good operating condition following transport. - SLB tool hand took inventory on all completion tools (retainers, bridge plugs, retrieving tools, etc) - all accounted for. - Attempt to rig in free standing rig floor on service rig, identify support brackets missing - have to re-install floor chains to suspend rig floor.
12:30	13:30	1.00	WELLPR	SFTY	P		- Gather all personnel, hold safety meeting regarding installing floor chains, working at heights, and over-head tools (C & J have tethered tool kit to accomodate). - Conducted verbal man-down in derrick rescue scenario, reviewed C & J procedure, equipment needed and personnel responsibilities in the event man goes down in the derrick. Identified equipment location, and reviewed IWTP as well as how CPC Emergency hotline can assist in the event of an injury, loss of well control, etc.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
13:30	19:00	5.50	WELLPR	SVRG	T	Rig	<ul style="list-style-type: none"> - Install floor chains on monkey board to suspend new rig floor - slots not big enough in rig floor, file slots to accomodate chain. - With floor modifications complete hang rig floor. - Install 7 1/16-5K flange by bowen union adapter, E-line 5-K manual bop's and adapter spool. - Unload and place lonkar 7"-5K lubricator on pipe racks, make up 4 sections of lubricator. - Make up tool string and place in lubricator, install new pack off head and tie new cable head. - Wrap lubricator with 1" steam line and install tarping on lubricator. - Tarp in wellhead area and rig floor to heat wellhead and E-line bop's over night. - Rig in Stairs and V-Door. - Recycle / Garbage bins arrive on location, off-load and spot accordingly. - Get heat on wellhead and e-line lubricator in preparation for e-line operations in the am. <p>Note:</p> <ul style="list-style-type: none"> - 14:00 Hrs: Back-up boiler went down, dispatch boiler tech from Norman Wells to conduct repairs on boiler. - 16:00 Hrs: Boiler up and running - determined faulty control switch. Boiler tech repaired gasket on main boiler. - 17:00 Hrs: Back-up boiler down again due to blown fuel jet, switch back to main boiler, gasket holding and boiler operating satisfactory. Back-up boiler will be fixed in the am due to time constraints (hours of service).

Report Fluids 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

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	***VENDOR NOT LISTED***	Q300	60.00
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	11,462.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,601.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	350.00
Electric Line Servs on Drilling Ops.	LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...	K100	3,375.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	705.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	877.25
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
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	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	30.00
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	415.00
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	2,770.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 10
 Report Date: 1/22/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 11
Report Date: 1/23/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080	
Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02
Objective Abandon Cut and Cap					
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00	
Daily Operations					
Report Start Date 1/23/2016 07:30	Report End Date 1/23/2016 19:00	Daily Cost Total (Cost) 25,538.00	Cumulative Cost (Cost) 228,503.01	Personnel Regular Hours (hr) 164.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714					
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C)	-21	Lease Condition Good
Last 24hr Summary Fill and pressure test casing to 14 mPa, Rig in E-line, run in the hole with 152.3mm gauge ring / junk basket and tag WR Bridge plug @ 1676.10 mKB - no obstructions.					
24hr Forecast Run in the hole with e-line and retrieve WR Bridge plugs @ 1676.10mKB + 1687.50mKB.					
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation
7:30	08:00	0.50	WELLPR	SFTY	Conduct Safety meeting with all personnel, document and discuss hazards associated with rigging rigging in E-line lubricator, pressure testing, conductive e-line runs, working with steam, and multiple services. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	11:30	3.50	WELLPR	ELOG	<ul style="list-style-type: none"> - Conduct walk-around inspection and LEL sweep - no LEL's detected, no spills or leaks identified on any equipment. - Check well pressure = slight vac / SCVF = 18 kPa. - Warm up all equipment, rig in pump line to flow tee for pressure testing, apply heat to line and roll pump to rig tank. - Inspect E-line equipment, Counter, sheaves, anchor line - all in good working condition. - Pick up sheave and horsecock, secure in rig elevators, hoist sheave to crown. - Shut in steam to lubricator and hoist lubricator up into position - identified spacing from sheave to pack-off will make it very difficult to pick up tool string, laid back down lubricator, lowered rig blocks and removed elevators and bails. Attach rod clevice to blocks and secured sheave, elevated to crown and picked up lubricator. - Rig in bottom sheave securing to wellhead. - Install tool string, stab on additional length of lubricator, elevate lubricator and stab on Bop's.
11:30	14:30	3.00	RPEQPT	ELOG	<ul style="list-style-type: none"> - Pre-heat and pressure test pump line to 1.4 + 28 mPa - good test. - Fill and pressure casing and WR bridge plug to 14.0 mPa (1.1m³ to fill) - hold for 10min - solid test. - Fill and pressure Lonkar 7"-5K lubricator to 1.4 + 14.0 mPa - good test. - Bleed off applied pressure, open master valve (17.5 turns) <p>13:00 Hrs: Start in the hole with 152.3mm gauge ring.</p>
14:30	16:30	2.00	RPEQPT	ELOG	14:30 hrs: With 152.3mm gauge ring @ 3m below ground level started losing line weight, work tool string making 0.50m / cycle +/- (appears to be slush / ice on csg walls), work gauge ring down to 14m below ground level. Contact CPC Superintendent with results, decision made to pull out of the hole. With tool string at surface shut in master valve, break off lubricator and attempt to lower tool string for inspection - tool string frozen in lubricator due to frozen pack-off head, may be the cause for the loss of line weight. Remove tarping on lubricator, re-configure steam hoses to ensure adequate heat supplied to the pack off head. Re-wrap the lubricator with tarp and secure tarp with duct tape and ratchet straps.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 11
 Report Date: 1/23/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation	
16:30	19:00	2.50	RPEQPT	ELOG	P		16:30Hrs: With lubricator re-wrapped pick up lube and stab onto well. Pressure test to 14 mPa with fresh water - good test. Open master valve (17.5 turns), start in the hole with 152.3mm gauge ring, run in to 150 mKB and start to see weight loss, cycle line up 5m with no over-pull and run back in hole gaining 50m +/- cycle before seeing weight loss again - discussed issue with Lonkar supervisor, determined line on drum is new (dry) as well as pack-off causing excessive friction, With Gauge ring @ 300 mKB +/- line began to pass through the pack off with no minimal friction, continued in the hole and tagged WR bridge plug @ 1658.8 mKB (wireline counter = 17.3m high, actual set depth = 1676.10mKB) - Re-tag Bridge plug 3x with solid tags at same depth. Inspect equipment, determined line counter built up with ice causing line slippage. POOH - with tools at surface counter reading 17.1m difference. Close master valve (17.5 turns), Inspect tool string for signs of oil - none present.	
19:00	19:30	0.50	RPEQPT	SISW	P		- Secure well, drain up equipment + conduct walk around inspection - no leaks or spills identified. - SDFN - Boilerhand on location over night.	
Report Fluids 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		56.00		0.00		1.10	0.00	1.10
Daily Costs								
BU Desc				Vendor		Activity Code	Amount (Cost)	
Service Rig				C&J ENERGY PRODUCTION SERVICES CANADA LTD		E120	11,840.00	
Trucking/Hauling/ Hot Shot Services				CANOL OILFIELD SERVICES INC		P100	1,773.00	
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	350.00	
Completion Fluids & Other Chem				HRN CONTRACTING LTD		G300	2,265.00	
Completion Fluids & Other Chem				HRN CONTRACTING LTD		G300	150.00	
Electric Line Servs on Drilling Ops.				LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...		K100	3,375.00	
Wellsite Supervision & Engineering				MINAULT ENERGY SERVICES LTD		T130	1,620.00	
Surface Completion Equipment Rental				PBN ENERGY SERVICES LTD		Q300	500.00	
Completion Fluids & Other Chem				PBN ENERGY SERVICES LTD		G300	1,210.00	
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	125.00	
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	200.00	
Surface Completion Equipment Rental				RIGSAT COMMUNICATIONS INC		Q300	30.00	
Surface Completion Equipment Rental				TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300	350.00	
Surface Completion Equipment Rental				TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300	450.00	
Surface Completion Equipment Rental				TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300	50.00	
Cumulative Job Flared Gas By Zone								
Zone				Volume Gas Total (E3m ³)				
Perforations								
Date		Zone		Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status	
3/2/2013		Basal Lower Canol, Original Hole		1,769.00	1,770.00	20.0	Suspended	
3/3/2013		Upper Lower Canol, Original Hole		1,692.00	1,693.00	20.0	Suspended	
3/3/2013		Middle Lower Canol, Original Hole		1,727.00	1,728.00	20.0	Suspended	
1/25/2016		Basal Lower Canol, Original Hole		1,739.00	1,741.00	17.5	Squeezed	
1/25/2016		Basal Lower Canol, Original Hole		1,739.00	1,741.00	17.5	Squeezed	
1/25/2016		Basal Lower Canol, Original Hole		1,698.00	1,700.00	17.5	Squeezed	
1/25/2016		Basal Lower Canol, Original Hole		1,696.00	1,698.00	17.5	Squeezed	
1/25/2016		Basal Lower Canol, Original Hole		1,696.00	1,698.00	17.5	Squeezed	
1/26/2016		Basal Lower Canol, Original Hole		1,681.00	1,683.00	17.5	Squeezed	
1/26/2016		Basal Lower Canol, Original Hole		1,681.00	1,683.00	17.5	Squeezed	
1/30/2016		Imperial Sand, Original Hole		1,355.00	1,359.00	17.5	Squeezed	

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 11
 Report Date: 1/23/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 12

Report Date: 1/24/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/24/2016 07:30	Report End Date 1/24/2016 19:00	Daily Cost Total (Cost) 32,499.50	Cumulative Cost (Cost) 261,002.51	Personnel Regular Hours (hr) 172.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C)	-23	Lease Condition Good		
Last 24hr Summary Retrieve 2x WR Bridge plugs with E-line, conduct Gamma / CCL log c/w 122mm Gauge Ring to 1806.0 mKB.							
24hr Forecast Perforate 3x Intervals in preparation to abandon Lower Canol Formation.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	P		Conduct Safety meeting with all personnel, document and discuss hazards associated with rigging in E-line lubricator, pressure testing, conduct e-line runs, working with steam, and multiple services. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	11:00	3.00	WELLPR	ELOG	P		<ul style="list-style-type: none"> - Conduct walk-around inspection and LEL sweep - no LEL's detected, no spills or leaks identified on any equipment. - Check well pressure = slight vac / SCVF = 18 kPa. - Warm up all equipment, rig in pump line to flow tee, apply heat to line and roll pump to rig tank. - Inspect E-line equipment, Counter, sheaves, anchor line - all in good working condition. - Pick up lubricator, make up WR Bridge plug retrieving tool. - Stab on lubricator and run in the hole to retrieve WR Bridge plug #1 @ 1676.10 mKB. - Latch onto WR @ 1658.2 mKB (E-line counter), hit down 4x to ensure equalize sleeve open. - 09:01 Hrs: Sit and wait for 30min to ensure fully equalized. - 09:32 Hrs: Hit up 5x, WR Bridge plug released, sit for 10min to allow elements time to relax. - Drop WR back down to 1660.0 with no weight loss. - POOH with WR Bridge Plug @ 25m/min with no over-pull seen through out trip to surface. - 11:00 Hrs: WR Bridge plug recovered to surface - all elements and components accounted for. - Break off WR Bridge plug, make up dressed retrieving tool on tool string. - Service rig crew opened up Bop gate for inspection - bop's fresh from re-cert, no deficiencies, install new 60.3mm pipe rams, re-install gate and torque back down. - Tie in accumulator lines, conduct accumulator / Bop function test with no deficiencies found.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 12
 Report Date: 1/24/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
11:00	14:00	3.00	WELLPR	ELOG	P		<ul style="list-style-type: none"> - Run in the hole to retrieve WR Bridge plug #2 - Tag WR Bridge plug @ 1615.2 mKB (E-line counter) - 43m higher than previous bridge plug pulled indicating E-line depth counter not operating properly. - Jar down 4x to ensure equalizing sleeve open. - 11:50 Hrs: Sit and wait to ensure wellbore fully equalized above and below WR Bridge plug. (Re-inspect counter - ice free, appears to be in good condition) - 12:30 Hrs: Hit up 6x to release WR Bridge Plug, sit for 10min to ensure elements fully relaxed. - Run WR Bridge plug down past set point to 1618 mKB (E-line counter) indicating bridge plug unset. - POOH with Bridge Plug. Note: E-line operator took note of drum break depths on way in the hole, compared depths on way out resulting in 35m difference from counter on way in to counter on way out. - With Bridge plug 200m from surface have personnel hold down on line and pull out of hole slowly to ensure not to crown out unexpectedly. - WR Bridge plug recovered to surface with all components accounted for. - Break down BHA and tool string to accommodate CCL / Gamma run c/w 122mm Gauge Ring.
14:00	14:45	0.75	WELLPR	ELOG	T	Logging	<ul style="list-style-type: none"> - Remove Counter from E-line unit, inspect - no visible indicator why not functioning correctly. - Install new counter, function test at surface - counter functioning properly.
14:45	18:45	4.00	WELLPR	ELOG	P		<ul style="list-style-type: none"> - Make up Gamma Ray / CCL c/w 122mm Gauge Ring on Junk Basket. - Run in the hole to 1806.0 mKB - no obstructions seen on way in the hole, pull repeat pass up to 1740.0 mKB, print off strip and correlate = + 2.4m shift. - Run back to 1800.0 mKB, log strip up to 1100.0 mKB covering all proposed intervals. - Break down Gamma Ray / CCL BHA, drop 2 lengths of lubricator to assist with picking up gun strings in the morning. - Secure the well, Conduct walk-around inspection - no leaks or spills identified on location. - SDFN. <p>Note: 14:00 Hrs: Collect G-Chem Gas samples from SCV, Samples were left open to SCV for 90min each due to low supply pressure. - Gchem sample container #'s 294 / 293 16:30 Hrs: Stump Test bind rams to 1.4 + 35 mPa for 10min each test - good test. Rest of Bop's to be completed in am due to time constraints.</p>
Report Fluids 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	1.10
Daily Costs							
BU Desc			Vendor		Activity Code		Amount (Cost)
Service Rig			C&J ENERGY PRODUCTION SERVICES CANADA LTD		E120		11,462.50
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		1,530.00
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		860.00
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		1,250.00
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		350.00
Completion Fluids & Other Chem			HRN CONTRACTING LTD		G300		1,330.00
Completion Fluids & Other Chem			HRN CONTRACTING LTD		G300		150.00
Electric Line Servs on Drilling Ops.			LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...		K100		5,950.00
Wellsite Supervision & Engineering			MINAULT ENERGY SERVICES LTD		T130		1,620.00
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		705.00
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD		G300		986.15
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		125.00
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		185.00
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		200.00
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		185.00

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 12
 Report Date: 1/24/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	PBN ENERGY SERVICES LTD	E500	1,050.00
Rig Camp	PBN ENERGY SERVICES LTD	E500	337.25
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	30.00
Downhole Completion Equipment	SCHLUMBERGER CANADA LIMITED	C100	1,703.60
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	50.00
Trucking/Hauling/ Hot Shot Services	V D M TRUCKING SERVICE LTD	P100	760.00

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 13
 Report Date: 1/25/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/25/2016 07:30	Report End Date 1/25/2016 19:00	Daily Cost Total (Cost) 37,148.28	Cumulative Cost (Cost) 298,150.79	Personnel Regular Hours (hr) 152.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C)	-21	Lease Condition Good		
Last 24hr Summary Perforate intervals 1739.0 - 1741.0 mKB / 1696.0 - 1698.0 mKB / 1698.0 - 1700.0 mKB in preparation to abandon Lower Canol.							
24hr Forecast Perforate interval 1681.0 - 1683.0mKB / Establish Feed Rate / Nipple up Bop's and prep to run tbg.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	P		Conduct Safety meeting with all personnel, document and discuss hazards associated with rigging in E-line lubricator, pressure testing, conduct Perforating runs, working with steam, and multiple services. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	12:30	4.50	WELLPR	ELOG	P		<ul style="list-style-type: none"> - Conduct walk-around inspection and LEL sweep - no LEL's detected, no spills or leaks identified on any equipment. - Check well pressure = static - 0 kPa - Warm up all equipment, rig in pump line to flow tee, apply heat to line and roll pump to rig tank. - Inspect E-line equipment, Counter, sheaves, anchor line - all in good working condition. - Pick up lubricator, make up tandem 101.6mm Owen SDP-4539 39gm HMX charges at 50 degree phasing + 17.5 spm / Gun #2 Same configuration but phasing reversed. - Run down to 1800.0 mKB, pull correlation strip up to 1720.0mKB, run back down to 1800.0 mKB, pull into position 1735.4 (CCL Depth) and perforate interval 1739.0 - 1740.0 mKB with 101.6mm Owen SDP-4539 39gm HMX charges at 50 degree phasing + 17.5 spm (11:28 Hrs), pull strip up to 1710.0 mKB, run back down to 1777.0 mKB and pull into position - 1738.2 (CCL Depth), re-perforate interval 1739.0 - 1740.0 mKB with 101.6mm Owen SDP-4539 39gm HMX charges at 50 degree Reverse phasing + 17.5 spm (11:36 Hrs). - No pressure change after both guns fired. - POOH. - Recover guns to surface, all shots fired and centered in scallops. - Break off guns, wrap spent guns in cotton batting to ensure no spills on the ground when transporting to c-can. <p>Service rig crew completed stump testing on Bop's as follows:</p> <ul style="list-style-type: none"> - 60.3mm pipe rams c/w full opening safety valve to 1.4 + 35 mPa for 10min - good test. - Annular to 1.4 + 7.0 mPa for 10min - good test. <p>Note: back up safety valve pressure tested at same time as blind rams. Work valves were alternated during blind ram and pipe ram tests to ensure both sets of inner and outer valves had complete pressure test conducted to 1.4 + 35 mPa.</p>

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 13
 Report Date: 1/25/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation		
12:30	17:00	4.50	WELLPR	ELOG	P		<ul style="list-style-type: none"> - Make up tandem 101.6mm Owen SDP-4539 39gm HMX charges at 50 degree phasing + 17.5 spm / Gun #2 Same configuration but phasing reversed. - Run down to 1745.0 mKB, pull correlation strip up to 1670.0mKB, run back down to 1745.0 mKB, pull into position 1694.4 (CCL Depth) and perforate interval 1698.0 - 1700.0 mKB with 101.6mm Owen SDP-4539 39gm HMX charges at 50 degree phasing + 17.5 spm (13:29 Hrs), pull strip up to 1688.0 mKB, run back down to 1746.68mKB and pull into position - 1695.2 (CCL Depth), perforate interval 1696.0 - 1698.0 mKB with 101.6mm Owen SDP-4539 39gm HMX charges at 50 degree Reverse phasing + 17.5 spm (14:05 Hrs). - No pressure change after both guns fired. - POOH. - Recover guns to surface, all shots fired and centered in scallops. - Break off guns, wrap spent guns in cotton batting to ensure no spills on the ground when transporting to c-can. - Make up single 101.6mm Owen SDP-4539 39gm HMX charges at 50 degree phasing. - Run in the hole to 1735.0 mKB, log up to 1670.0 mKB for correlation pass, lower gun back down to 1735.0 mKB and pull into position 1695.20 (CCL Depth), perforate interval 1696.0 - 1698.0 mKB. - No pressure change identified after gun fired. - POOH. - Recover guns to surface, all shots fired and centered in scallops. - Break off guns, wrap spent gun in cotton batting to ensure no spills on the ground when transporting to c-can. 		
17:00	18:00	1.00	WELLPR	ELOG	P		<ul style="list-style-type: none"> - Secure the well and equipment - Drain pump and winterize all equipment. - conduct walk-around inspection - no spills or leaks identified. - SDFN. 		
Report Fluids 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	1.10		
Daily Costs									
BU Desc		Vendor			Activity Code	Amount (Cost)			
Service Rig		C&J ENERGY PRODUCTION SERVICES CANADA LTD			E120	10,807.50			
Trucking/Hauling/ Hot Shot Services		CANOL OILFIELD SERVICES INC			P100	860.00			
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		CORNERSTONE OILFIELD SERVICES LTD			Q300	1,050.00			
Surface Completion Equipment Rental		HRN CONTRACTING LTD			Q300	350.00			
Electric Line Servs on Drilling Ops.		LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...			K100	18,285.98			
Wellsite Supervision & Engineering		MINAULT ENERGY SERVICES LTD			T130	1,620.00			
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD			Q300	705.00			
Completion Fluids & Other Chem		PBN ENERGY SERVICES LTD			G300	1,014.80			
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD			Q300	125.00			
Surface Completion Equipment Rental		PBN ENERGY SERVICES LTD			Q300	200.00			
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	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		RIGSAT COMMUNICATIONS INC			Q300	30.00			
Surface Completion Equipment Rental		TRUMPETER CAMP COMPANY PARTNERSHIP LTD			Q300	350.00			
Surface Completion Equipment Rental		TRUMPETER CAMP COMPANY PARTNERSHIP LTD			Q300	450.00			
Surface Completion Equipment Rental		TRUMPETER CAMP COMPANY PARTNERSHIP LTD			Q300	50.00			
Cumulative Job Flared Gas By Zone									
Zone				Volume Gas Total (E3m ³)					

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 13
 Report Date: 1/25/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 14
 Report Date: 1/26/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579												
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080													
Job Information																	
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02												
Objective Abandon Cut and Cap																	
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault												
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77													
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00													
Daily Operations																	
Report Start Date 1/26/2016 07:30	Report End Date 1/26/2016 20:30	Daily Cost Total (Cost) 36,802.36	Cumulative Cost (Cost) 334,953.15	Personnel Regular Hours (hr) 160.00													
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714																	
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C)	-19	Lease Condition Good												
Last 24hr Summary Perforate Interval 1681.0-1683.0 mKB as per program / Rig out E-Line / Remove Master Valve / Nipple up Bop's - Pressure test / Tarp in and apply heat for the night.																	
24hr Forecast RIH 60.3mm Tbg and prep for Cement squeeze as per program.																	
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation												
07:30	08:00	0.50	WELLPR	SFTY	<p>P</p> <p>Conduct Safety meeting with all personnel, document and discuss hazards associated with rigging in E-line lubricator, pressure testing, conduct Perforating run, working with steam, and multiple services. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.</p> <p>Note: Orogro, AER and CPC Safety representatives in attendance for safety meeting, held discussion regarding their involvement in the industry.</p>												
08:00	12:00	4.00	WELLPR	ELOG	<p>P</p> <p>- Conduct walk-around inspection and LEL sweep - no LEL's detected, no spills or leaks identified on any equipment.</p> <p>- Check well pressure = static - 0 kPa</p> <p>- Warm up all equipment, rig in pump line to flow tee, apply heat to line and roll pump to rig tank.</p> <p>- Inspect E-line equipment, Counter, sheaves, anchor line and cable head - Identified cable head showing wear, re-dress cable head.</p> <p>- Pick up lubricator, make up tandem 127mm Owen SDP-4539 39gm HMX charges at 50 degree phasing + 17.5 spm / Gun #2 Same configuration but phasing reversed.</p> <p>- 10:15 Hrs: Run in the hole with perf guns to 1714.5 mKB, log up to 1642.8 mKB, correlate on depth, lower string to 1711.3 mKB, pull up into position (1677.35 CCL Depth) and shoot interval 1681.0 - 1683.0 mKB with 127 mm Owen SDP-4539 39gm HMX charges at 50 degree phasing + 17.5 spm (10:56), log up to 1642.0 mKB, run back in to 1682.0 mKB (ensuring to stay 1m above casing patch with spent gun), pull into position 1680.20 (CCL Depth) perforate interval 1681.0 - 1683.0 mKB with 127 mm Owen SDP-4539 39gm HMX charges at 50 degree Reverse phasing + 17.5 spm (11:06).</p> <p>- Pull out of the hole with guns. Inspect guns - all shots fired and centered in scallops.</p>												
12:00	13:00	1.00	WELLPR	OTHR	<p>P</p> <p>- Pressure test pump line to 21.0 mPa - good test.</p> <p>- Open up to well and conduct feed rate with following results:</p> <table style="margin-left: 20px;"> <tr><td>Rate (m³/min)</td><td>Pressure (MPa)</td></tr> <tr><td>0.19</td><td>10.0</td></tr> <tr><td>0.29</td><td>10.5</td></tr> <tr><td>0.40</td><td>10.8</td></tr> </table> <p>Pressure started to decrease with rate constant @ 0.40m³/min</p> <table style="margin-left: 20px;"> <tr><td>0.51</td><td>10.0</td></tr> <tr><td>0.61</td><td>10.0</td></tr> </table> <p>With 4.5m³ injected keep pump rate stable for 5.5 additional m³, final pump pressure = 9800 kPa @ 0.61m³/min,</p> <p>Kick out pump with total of 10m³ pumped for injectivity test.</p> <p>ISIP = 5600 kPa</p> <p>ISIP (5min) = 5000 kPa</p> <p>ISIP (10min) = 4500 kPa</p> <p>- Contact Abandonment Engineer (Louis Borberly) with results.</p>	Rate (m³/min)	Pressure (MPa)	0.19	10.0	0.29	10.5	0.40	10.8	0.51	10.0	0.61	10.0
Rate (m³/min)	Pressure (MPa)																
0.19	10.0																
0.29	10.5																
0.40	10.8																
0.51	10.0																
0.61	10.0																

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 14
 Report Date: 1/26/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
13:00	20:30	7.50	WELLPR	BOPE	P		<ul style="list-style-type: none"> - Rig out and lay down E-line lubricator. - Remove E-line flow tee and bop's - Remove 7 1/16-5K by 7 1/16-10K DSA - Install Tbg Hanger c/w landing jt + full opening safety valve. - Engage lock down screws. - Rig out stairs and V-door from floor. - Rack back work floor - Strip off 7 1/16-10K Master Valve. - Strip on 7 1/16-10K by 7 1/16-5K DSA, torque down. - Strip on 5K Class III Bop. - Torque down all connections. - Rig in pump line, heat line with steam and pressure test line to 35.0 mPa. - Pressure test Ring seal's on DSA and Bop's to 1.4 + 35.0 mPa for 10min each test - good test. - Lower rig floor, hang tarps and apply heat to bop's and wellhead for the night. - Boiler Hand on location at night maintaining heat on fluids and equipment over-night.

Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER			10.00	0.00	11.10

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	12,595.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	688.00
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	350.00
Electric Line Servs on Drilling Ops.	LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...	K100	9,697.56
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	705.00
Rig Camp	PBN ENERGY SERVICES LTD	E500	225.60
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,026.60
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	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	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	75.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	30.00
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	740.00
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	6,699.60
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 14
 Report Date: 1/26/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 15
Report Date: 1/27/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT		Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/27/2016 07:30	Report End Date 1/27/2016 20:30	Daily Cost Total (Cost) 23,061.12	Cumulative Cost (Cost) 358,014.27	Personnel Regular Hours (hr) 152.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C)	-16	Lease Condition Good		
Last 24hr Summary Run in the hole with 60.3mm Slick String (landed EOT @ 1760.0 mKB) for upcoming cement operations / Orogoo + AER Representatives on location, conduct inspection (accumulator / Bop function test) with no deficiencies noted. MIRU SLB cement pumper and batch mixer.							
24hr Forecast Conduct cement squeeze on Lower Canol perforations as per program.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P- T-X	Trbl Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	P		Conduct Safety meeting with all personnel, document and discuss hazards associated with rigging in work floor, running in the hole with tbgs, spotting and rigging in cementers, working with steam, and multiple services. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	11:00	3.00	WELLPR	SVRG	P		- Conduct walk-around inspection and LEL sweep - no LEL's detected, no spills or leaks identified on any equipment. - Check well pressure = static - 0 kPa - Warm up all equipment, rig in kill line to work spool, apply heat to line and roll pump to rig tank. - Install hand railings, V-door and stairs to rig floor. - Pick up and tie in tongs, tarp in and apply heat. - Pick up and rig in floor slips.
11:00	12:00	1.00	WELLPR	BOPE	P		- Orogoo, AER and CPC Safety representatives on location, conduct site inspection and Accumulator / Bop function test as per regulations - no deficiencies found.
12:00	19:00	7.00	RPEQPT	TRIP	P		- Run in the hole with cementing string placing EOT @ 1760.0 mKB as follows: - 1 jt 60.3mm J-55 Tbg - 0.66m x 60.3mm J-55 Pup Jt - 183 Jts 60.3mm J-55 Tbg placing - Conduct walk around inspection with SLB Cement Supervisor, determine spot plan for equipment for upcoming cement job. - Spot Cement pumper (Reel Unit) - Spot Batch Mixer. - Rig in all suction / transfer hoses. - Spot 2x flameless heaters and snake treating hose through heat ducting in preparation for cement job following morning. - Secure Well and equipment, apply heat for night. - SDFN.
Report Fluids 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	11.10	
Daily Costs							
BU Desc	Vendor	Activity Code	Amount (Cost)				
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	14,628.00				
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	280.00				

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 15

Report Date: 1/27/2016

Final Job Status: ABANDONED

Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	705.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	500.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	2,223.12
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	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	185.00
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	RIGSAT COMMUNICATIONS INC	Q300	30.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 16

Report Date: 1/28/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/28/2016 07:30	Report End Date 1/28/2016 20:30	Daily Cost Total (Cost) 137,704.23	Cumulative Cost (Cost) 495,718.50	Personnel Regular Hours (hr) 246.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C)	-12	Lease Condition Good		
Last 24hr Summary Conduct cement squeeze on Lower Canol Perforations. Total of 6.2m ³ SqueezeCrete placed, Total of 3.48m ³ cement squeezed away into Lower Canol Perforations, Well was shut in over night with 13,060 kPa, Estimated Cement top @ 1623.72 mKB (calculated) with cement plug from 1760.0 mKB to 1623.72 mKB (136.28m plug).							
24hr Forecast Confirm cement top with tbg, Pressure test cement to 14.0 mPa, POOH with 60.3mm tbg, prepare to perforate Imperial Sand Interval 1355.0 - 1359.0 mKB							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	P		Conduct Safety meeting with all personnel, document and discuss hazards associated with Rigging in cementers, pressure testing / pumping / circulating, pulling tbg, working with steam and chemicals. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	13:00	5.00	CEMENT	CMNT	P		<ul style="list-style-type: none"> - Conduct walk-around inspection and LEL sweep - no LEL's detected, no spills or leaks identified on any equipment. - Check well pressure = static - 0 kPa - Warm up all equipment, rig in kill line to work spool, apply heat to line and roll pump to rig tank. - Rig in cementing 2" treating hose to tbg, tie in transfer lines and associated cementing support equipment. - Prime service rig pump and roll rig tank and 400bbl tank to ensure consistent temperature throughout-out fresh water (24°C). - Conduct PH test on supply water for cement job, PH strips indicate a PH level of 5.5 - 6, consult with SLB engineers with results, Check water with new set of strips to confirm readings - new strips reading a PH of 7 (Neutral), determine original tests concluded with old strips showing inaccurate levels. - Transfer 24° fresh water with rig pump to Cement pumper, circulate warm water and warm up equipment. - Pump 200 liters down tbg to ensure line full and air displaced, close in hamer valve and pressure test treating line to 1.4 + 24.0 mPa.
13:00	13:30	0.50	CEMENT	CMNT	P		<ul style="list-style-type: none"> - Open up tbg and establish feed rate with following results: <ul style="list-style-type: none"> - 110 lpm @ 8500 kPa - 240 lpm @ 9800 kPa - 270 lpm @ 9400 kPa - Total of 2m³ injected for feed rate with final pressure of 9000 kPa @ 270 lpm.
13:30	14:30	1.00	CEMENT	CMNT	P		- SLB Batch mix 6.0 m ³ 1680.0 kg/m ³ SqueezeCRETE as per program.
14:30	15:30	1.00	CEMENT	CMNT	P		<ul style="list-style-type: none"> - Circulate 5.2m³ fresh water ahead of cement. - Switch to cement and forward circulate 300m balanced plug of 1680.0 kg/m³ SqueezeCRETE from 1760 mKB to 1460 mKB. - Bleed off circ pressure on csg, tbg on vac. - Rig out treating line and prep equipment to pooh tbg.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation		
15:30	17:00	1.50	CEMENT	CMNT	P		<ul style="list-style-type: none"> - Pull 40 jts of 60.3mm tbg to mast placing EOT @ 1377.44mKB. - Close and lock pipe rams. - Rig in safety valve and kelly hose to reverse circulate tbg clean. - Pressure test SLB treating line to 21.0 mPa. - Reverse circulate 5.2m³ fresh water to rig tank @ 400lpm - 3500 kPa. - With returns clean (no cement recovered to surface) shut down pump. - Shut in tbg and prep to conduct cement squeeze. 		
17:00	19:30	2.50	CEMENT	CMNT	P		<p>Conduct cement squeeze as follows:</p> <ul style="list-style-type: none"> - 17:03 Hrs: Start cement squeeze - Squeeze away 270 L @ 85 lpm - 4000 kPa - Decrease rate to 35 lpm for 400 L @ 7800 kPa - Increase rate to 50 lpm for 1830 L @ 8400 kPa - Decrease rate to 20 lpm for 570 L @ 9200 kPa - Decrease rate to 10 lpm for 410 L @ 13060 kPa. - With Lock up achieved @ 13,060 kPa kick out pumper, monitor pressure for 10min with 0 leak off. - Shut in well, bleed off and drain surface lines. - Total of 3.48m³ cement squeezed away into Lower Canol Perforations. - Well was shut in over night with 13,060 kPa. - Estimated Cement top @ 1623.72 mKB (calculated) with cement plug from 1760.0 mKB to 1623.72 mKB (136.28m) 		
19:30	20:30	1.00	CEMENT	SISW	P		<ul style="list-style-type: none"> - Shut in well with 13,060 kPa applied pressure for the night. - Drain surface lines and winterize pump. - Break off treating line, cap up wellhead. - Clean up cement pumper and equipment with vac truck. - Tarp in all equipment and apply heat for the night. - SDFN 		
Report Fluids 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		23.00		0.00		7.50		0.00	18.60
Daily Costs									
BU Desc			Vendor		Activity Code		Amount (Cost)		
Service Rig			C&J ENERGY PRODUCTION SERVICES CANADA LTD		E120		13,663.00		
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		280.00		
Completion Fluids & Other Chem			HRN CONTRACTING LTD		G300		3,860.00		
Wellsite Supervision & Engineering			MINAULT ENERGY SERVICES LTD		T130		1,620.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		705.00		
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD		G300		2,846.16		
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD		G300		500.00		
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD		G300		500.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		125.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		200.00		
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		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		185.00		
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		
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD		G300		1,889.00		
Surface Completion Equipment Rental			RIGSAT COMMUNICATIONS INC		Q300		30.00		
Cementing Services & Materials			SCHLUMBERGER CANADA LIMITED		J200		106,758.47		
Completion Fluids & Other Chem			SRP NORTH VENTURES LTD		G300		1,977.60		
Surface Completion Equipment Rental			TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300		350.00		
Surface Completion Equipment Rental			TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300		450.00		



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 16
Report Date: 1/28/2016
Final Job Status: ABANDONED
Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 17
 Report Date: 1/29/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080	
Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02
Objective Abandon Cut and Cap					
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00	
Daily Operations					
Report Start Date 1/29/2016 07:30	Report End Date 1/29/2016 17:30	Daily Cost Total (Cost) 25,414.91	Cumulative Cost (Cost) 521,133.41	Personnel Regular Hours (hr) 117.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714					
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 12,600	Temperature (°C) Clear	-12	Lease Condition Good
Last 24hr Summary SICP = 12,600 kPa / RIH and tag cement top @ 1656.44mKB - place 2,000daN string weight on tag / Pressure test cement plug to 14.0 mPa for 10min - solid test / POOH 60.3mm slick string (173 jts) / MIRU Lonkar e-line, prep all equipment to perforate in the am.					
24hr Forecast Pick up Lubricator, RIH + perforate Imperial Sand Interval 1355.0 - 1359.0 mKB / Establish Feed Rate / Following ops determined by results of feed rate.					
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	Conduct Safety meeting with all personnel, document and discuss hazards associated with tagging cement top, pressure testing, pulling tbg, rigging in e-line, and working with steam. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	09:00	1.00	CEMENT	CMNT	<ul style="list-style-type: none"> - Conduct walk-around inspection and LEL sweep - no LEL's detected, inspected cellar area around wellhead - no bubbling or gas migrating around exterior of wellhead, no spills or leaks identified on any equipment. - Check well pressure = 12,600 kPa / SCV = Vent Nanny not transmitting. - Warm up all equipment, rig in kill line to work spool, apply heat to line and roll pump to rig tank.
09:00	11:30	2.50	RPEQPT	TRIP	<ul style="list-style-type: none"> - Bleed off applied pressure left over night from cement squeeze to rig tank (12,600 kPa). - Open up well and prep equipment to run in the hole with 60.3mm tbg to tag Cement top. - Run in the hole with 5Jts of tbg - water beginning to flow over the tbg (fluid not balanced tbg + csg side). - Install safety valve, rig in circulating equipment and reverse circulate 5m³ to rig tank. - Bleed off circulation pressure, conduct flow check - no flow on tbg or csg. - Rig out circulating equipment and continue in the hole with 24 Jts 60.3mm tbg, tag cement top and place 2,000daN on cement. - Cement top @ 1656.44mKB. - Pull 2x jts 60.3mm tbg and secure well.
11:30	12:30	1.00	CEMENT	DHEQ	<ul style="list-style-type: none"> - With tbg safety valve closed pressure test cement plug to 14.0 mPa for 10min with 0 leak off - solid test. - Bleed off applied pressure, drain lines and prepare to pull out of the hole with tbg.
12:30	16:30	4.00	RPEQPT	TRIP	<ul style="list-style-type: none"> - Pull out of the hole with 60.3mm tbg, lay down 23 Jts of tbg and stand 150 jts in the mast. - Lonkar E-line personnel wrapped lubricator with steam line and tarped in, tied new cable head and made up pack off head on lubricator. Prepped all equipment for rig in. Applied heat to lubricator for the night. <p>Note: Remove feed line from vent nanny to SCV, install 2" tapped plug and record pressure = 545 kPa. Bleed off built up pressure and allow surface casint to vent in preparation for bubble test in the am.</p>
16:30	17:00	0.50	CEMENT	SFTY	<ul style="list-style-type: none"> - Hold tailgate meeting with C & J + Lonkar E-line personnel regarding rigging in wireline bop's, removing rig elevators and bails in preparation for perforating operations in the am.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
17:00	18:00	1.00	CEMENT	ELOG	P		<ul style="list-style-type: none"> - Place lubricator on catwalk to allow for safer pick up. - Install wireline bop's and torque down 7 1/16-5K flange. - Remove service rig elevators and bails to increase crown height. - Rig in sheaves and e-line auxiliary equipment. - Drain and winterize equipment - Secure well + SDFN.

Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER		9.77	10.00		18.60

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	10,480.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	516.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,900.00
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	280.00
Electric Line Servs on Drilling Ops.	LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...	K100	3,375.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,205.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,793.60
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	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
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	864.71
Rig Camp	PBN ENERGY SERVICES LTD	E500	925.60
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	30.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 17

Report Date: 1/29/2016

Final Job Status: ABANDONED

Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 18

Report Date: 1/30/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080	
Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02	
Objective Abandon Cut and Cap					
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00	
Daily Operations					
Report Start Date 1/30/2016 07:30	Report End Date 1/30/2016 18:30	Daily Cost Total (Cost) 39,286.86	Cumulative Cost (Cost) 560,420.27	Personnel Regular Hours (hr) 140.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714					
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Snowing	Temperature (°C)	-12	Lease Condition Snow covered
Last 24hr Summary Rig in Lonkar E-line, perforate Imperial Sand Interval 1355.0 - 1359.0 mKB / Attempt to Establish Feed Rate - pressured up to 8400 kPa with no leak off / RIH 143 Jts of tbg in preparation for acid wash / squeeze in am - EOT landed @ 1369.02mKB.					
24hr Forecast MIRU SLB acid pumper, Conduct 2m³ acid wash / squeeze as per program with 15% Synthetic acid, POOH 60.3mm slick string.					
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	Conduct Safety meeting with all personnel, document and discuss hazards associated with Rigging in E-line, pressure testing, perforating, establishing feed rate, and working with steam. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	09:00	1.00	CEMENT	OTHR	- Conduct walk-around inspection and LEL sweep - no LEL's detected, inspected cellar area around wellhead - no bubbling or gas migrating around exterior of wellhead, no spills or leaks identified on any equipment. - Check well pressure = slight vac / SCV = steady blow - Warm up all equipment, rig in kill line to work spool, apply heat to line and roll pump to rig tank.
09:00	11:30	2.50	CEMENT	ELOG	- 08:00 Hrs: conduct bubble test on SCVF - too many bubbles to count, bubble test failed. - Pick up sheave with blocks to the crown, - Inspect wireline counter, line and rope socket - all in good condition. - Pick up e-line lubricator, lower tool string and make up 4m x127mm, Owen SDP-4500-411NT3 39gm HMX charges at 50° phasing and 17.5 spm. - Function test CCL and perforating gun at surface - Pick up gun, stab on lubricator, fill and pressure test lubricator to 1.4 + 14 mPa - good test.
11:30	12:30	1.00	CEMENT	ELOG	- Run in the hole with 4m x127mm, Owen SDP-4500-411NT3 39gm HMX charges at 50° phasing and 17.5 spm perforating gun. - RIH to 1367.0 mKB (EOT for prior backwash @ 1377.44 mKB). - Log up to 1308.1 mKB. - Corrolate on depth with Gamma Ray / CCL Log ran Jan 24, 2016. - Run back to 1364.0 mKB. - Pull into position @ 1354.20 mKB CCL - Check SCVF prior to firing gun = too many bubbles to count. - 11:44 Hrs perforate Interval 1355.0 - 1359.0mKB - Check SCVF after gun fired = too many bubbles to count, no change in flow identifiable. - POOH. - 12:15 Hrs: Gun at surface, all shots fired and centered in scallops. - Break off spent gun.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 18
 Report Date: 1/30/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
12:30	13:45	1.25	CEMENT	ELOG	P		<ul style="list-style-type: none"> - Run in the hole with 4m x127mm, Owen SDP-4500-411NT3 39gm HMX charges at 50° Reverse phasing and 17.5 spm perforating gun. - RIH to 1368.4 mKB (EOT for prior backwash @ 1377.44 mKB). - Log up to 1307.7 mKB. - Corrolate on depth with Gamma Ray / CCL Log ran Jan 24, 2016. - Run back to 1364.0 mKB - Pull into position @ 1354.20 mKB CCL - 13:18 Hrs re-perforate Interval 1355.0 - 1359.0mKB - Check SCVF after gun fired = too many bubbles to count, no change in flow identifiable. - POOH. - 13:45 Hrs: Gun at surface, all shots fired and centered in scallops. - Pull spent gun back into lubricator, stab back on.
13:45	14:30	0.75	CEMENT	CIRC	P		<ul style="list-style-type: none"> - With well secured pressure test pump line to 1.4 + 21 mPa. - Fill csg and attempt to establish feed rate, casing pressured up to 8.4 mPa. - Shut down pump and monitor for 10min with 0 leak off. - Bleed off applied pressure and blow down pump line. - Note: 1.8m³ pumped to apply 8400 kPa, recovered total pumped when bled off.
14:30	15:30	1.00	CEMENT	RURD	P		<ul style="list-style-type: none"> - Break off spent gun and rig out lubricator. - Remove wireline bop's and rig out sheaves. - Prep all equipment to runin the hole with 60.3mm slick string for Acid wash / squeeze operation.
15:30	18:00	2.50	CEMENT	TRIP	P		<ul style="list-style-type: none"> - Run in the hole with 143 Jts of 60.3mm tbg in preperation for acid wash / squeeze in the am. EOT landed @ 1369.02mKB (10.02m below bottom shot).
18:00	18:30	0.50	CEMENT	SISW	P		<ul style="list-style-type: none"> - Secure well and equipment. - Drain and winterize all equipment. - Conduct walk-around lease inspection - no leaks or spills identified.

Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	11.00		16.00		18.60

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	11,487.50
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	280.00
Electric Line Servs on Drilling Ops.	LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...	K100	15,274.76
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,705.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	2,454.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	893.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	185.00
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	RIGSAT COMMUNICATIONS INC	Q300	30.00
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	625.20
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	2,492.40
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 18

Report Date: 1/30/2016

Final Job Status: ABANDONED

Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 19

Report Date: 1/31/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 1/31/2016 07:30	Report End Date 1/31/2016 18:30	Daily Cost Total (Cost) 46,551.66	Cumulative Cost (Cost) 606,971.93	Personnel Regular Hours (hr) 164.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Heavy Snow	Temperature (°C)	-17	Lease Condition Snow covered		
Last 24hr Summary Conduct 2.0m³ Acid wash / squeeze job as per program, Pull 60.3mm Tbg out of the hole in preparation to run retainer in the morning.							
24hr Forecast MIRU Lonkar wireline, Set 7" Retainer, RIH 60.3mm tbg c/w stinger, pressure test retainer and establish feed rate.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	P		Conduct Safety meeting with all personnel, document and discuss hazards associated with mixing + pumping acid, pulling out of the hole with tbg and working with steam. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	09:00	1.00	CEMENT	OTHR	P		- Conduct walk-around inspection and LEL sweep - no LEL's detected, inspected cellar area around wellhead - no bubbling or gas migrating around exterior of wellhead, no spills or leaks identified on any equipment. - Check well pressure = static / SCV = steady blow - Warm up all equipment, rig in kill line to work spool, apply heat to line and roll pump to rig tank.
09:00	10:00	1.00	CEMENT	CMNT	P		- 08:30 Hrs: conduct bubble test on SCVF - too many bubbles to count, bubble test failed. - Shovel / sweep all snow off of equipment, expose all lines and potential trip hazards. - Spot SLB Acid pumper. - Load on 1m³ fresh water (Municipal water) on tank truck to blend acid. - Spot tank truck and tie in transfer hose. - String out 2" acidizing hose and tie onto tbg. - Rig in remaining auxiliary equipment and prep to conduct acid wash / squeeze job as per program.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 19
 Report Date: 1/31/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation																																												
10:00	13:30	3.50	CEMENT	CMNT	P		<ul style="list-style-type: none"> - Take on 1m³ raw synthetic acid onto acid pumper, blend acid in tubs with 1m³ - 20° fresh municipal water, blend up acid and push back onto tank truck. - Transfer 2m³ fresh water, warm up equipment and prime pumps. - Fill and pressure test treating line to 1.4 + 28 mPa. - Break circulation to rig tank with Fresh Water. - Switch to acid and circulate 2m³ 15% Synthetic acid blend down tbg followed by 1.2m³ Fresh water placing acid across the perfs @ 1355.0 - 1359.0mKB. - Conduct 10x 100L Acid Washes - 10min soaks with following results: <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th>Wash#</th> <th>Time</th> <th>Start Press (kPa)</th> <th>Final Press kPa</th> </tr> </thead> <tbody> <tr><td>1</td><td>10:34</td><td>4381</td><td>4233</td></tr> <tr><td>2</td><td>10:44</td><td>5454</td><td>5359</td></tr> <tr><td>3</td><td>11:56</td><td>5296</td><td>5233</td></tr> <tr><td>4</td><td>11:09</td><td>5396</td><td>5391</td></tr> <tr><td>5</td><td>11:21</td><td>5454</td><td>5391</td></tr> <tr><td>6</td><td>11:34</td><td>6369</td><td>6306</td></tr> <tr><td>7</td><td>11:45</td><td>7284</td><td>7127</td></tr> <tr><td>8</td><td>12:00</td><td>8421</td><td>8326</td></tr> <tr><td>9</td><td>12:10</td><td>9304</td><td>9052</td></tr> <tr><td>10</td><td>12:25</td><td>10567</td><td>10188</td></tr> </tbody> </table> <ul style="list-style-type: none"> - With 1.0m³ washed by perfs no break sown or feed rate accomplished. Increase pressure to 11.0 mPa and monitor for 10min with 568 kPa leak off. - Contact CPC Superintendent (Derrick Cove), decision made to increase applied pressure in 1.0 mPa increments monitoring each incresre for 5min until break down achieved. - With 13.5 mPa applied Break down / feed rate accomplished, Squeeze away remaining 1m³ Acid and over-displace tbg with 0.75m³ fresh water. - Final Injection Rate = 114lpm @ 11.3 mPa. - Shut in Tbg, 	Wash#	Time	Start Press (kPa)	Final Press kPa	1	10:34	4381	4233	2	10:44	5454	5359	3	11:56	5296	5233	4	11:09	5396	5391	5	11:21	5454	5391	6	11:34	6369	6306	7	11:45	7284	7127	8	12:00	8421	8326	9	12:10	9304	9052	10	12:25	10567	10188
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9	12:10	9304	9052																																																
10	12:25	10567	10188																																																
13:30	15:00	1.50	CEMENT	CMNT	P		<ul style="list-style-type: none"> - Move Treating line onto csg, fill line and pressure test to 1.4 + 28.0 mPa. - Squeeze 1.0m³ acid previously circulated up backside into zone followed by 5.0m³ fresh water to over-displace. - While over displacing 5m³ fresh water conduct feed rates with following rates and pressures: <table border="1" style="margin-left: 20px; border-collapse: collapse;"> <thead> <tr> <th>Rate(LPM)</th> <th>Pressure(kPa)</th> </tr> </thead> <tbody> <tr><td>25</td><td>10,188</td></tr> <tr><td>50</td><td>10,409</td></tr> <tr><td>100</td><td>10,819</td></tr> <tr><td>150</td><td>11,135</td></tr> <tr><td>200</td><td>11,293</td></tr> <tr><td>250</td><td>11,482</td></tr> <tr><td>300</td><td>11,482</td></tr> <tr><td>350</td><td>11,640</td></tr> </tbody> </table> <p style="margin-left: 20px;">ISIP - 11,293 kPa ISIP (10min) - 10,900 kPa</p> <ul style="list-style-type: none"> - Bleed off applied pressure, drain lines and equipment with vac truck. - Rig out Acidizing equipment. 	Rate(LPM)	Pressure(kPa)	25	10,188	50	10,409	100	10,819	150	11,135	200	11,293	250	11,482	300	11,482	350	11,640																										
Rate(LPM)	Pressure(kPa)																																																		
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200	11,293																																																		
250	11,482																																																		
300	11,482																																																		
350	11,640																																																		
15:00	18:00	3.00	RPEQPT	TRIP	P		<ul style="list-style-type: none"> - Pull out of the hole with 143 Jts of 60.3mm tbg to mast. - Roke Technician on location to trouble shoot Vent Nanny. 																																												
18:00	18:30	0.50	RPEQPT	SISW	P		<ul style="list-style-type: none"> - Conduct walk-around inspection, no leaks or spills identified. - Secure well and equipment. - Drain and winterize all equipment. - SDFN. 																																												
Report Fluids 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		12.00	7.00		0.00	25.60																																												
Daily Costs																																																			
BU Desc			Vendor			Activity Code	Amount (Cost)																																												
Service Rig			C&J ENERGY PRODUCTION SERVICES CANADA LTD			E120	11,347.50																																												
Completion Fluids & Other Chem			CANOL OILFIELD SERVICES INC			G300	1,900.00																																												
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	280.00																																												
Completion Fluids & Other Chem			HRN CONTRACTING LTD			G300	1,975.00																																												
Wellsite Supervision & Engineering			MINAULT ENERGY SERVICES LTD			T130	1,620.00																																												

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 19
 Report Date: 1/31/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	705.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	500.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,180.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	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	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	RIGSAT COMMUNICATIONS INC	Q300	30.00
Wellsite Supervision & Engineering	S C T OILFIELD CONSULTING LTD	T130	17,954.00
Cementing Services & Materials	SCHLUMBERGER CANADA LIMITED	J200	6,635.16
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 20
 Report Date: 2/1/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080	
Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02
Objective Abandon Cut and Cap					
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00	
Daily Operations					
Report Start Date 2/1/2016 07:30	Report End Date 2/1/2016 19:30	Daily Cost Total (Cost) 36,379.14	Cumulative Cost (Cost) 643,351.07	Personnel Regular Hours (hr) 154.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714					
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Snowing	Temperature (°C)	-16	Lease Condition Snow covered
Last 24hr Summary MIRU Lonkar E-line, Set 7"- 69.0 mPa PCR Cement Retainer @ 1349.0 C.E. / Pressure test retainer to 21.0 mPa / RIH 60.3mm tbg c/w Snap Latch Stinger assembly / Establish Feed Rate.					
24hr Forecast MIRU SLB Cementing Equipment / Conduct 3.0m³ Retainer Squeeze on ImperialSand Interval 1355.0 - 1359.0mKB / POOH c/w Tbg.					
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	Conduct Safety meeting with all personnel, document and discuss hazards associated with rigging up E-line, pressure testing, conducting explosive run (Cement retainer), Tripping tbg and working with steam. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	09:00	1.00	CEMENT	OTHR	- Conduct walk-around inspection and LEL sweep - no LEL's detected, inspected cellar area around wellhead - no bubbling or gas migrating around exterior of wellhead, no spills or leaks identified on any equipment. - Check well pressure = slight vac / SCV = Vent Nanny tied in. - Warm up all equipment, rig in kill line to work spool, apply heat to line and roll pump to rig tank.
09:00	12:00	3.00	CEMENT	ELOG	- Remove Bails and elevators from service rig blocks. - Rig in sheaves and string Wireline. - Pick up lubricator and make up 7"- 69.0 mPa PCR Cement Retainer - Pick up tools and stab on lubricator. - Purge lubricator with fresh water and pressure test to 1.4 + 14.0 mPa. - Run in the hole to 1341.80 (CCL Depth), 1345.0 mKB (EOT Depth). - Log up to 1268.50 (CCL Depth). - Corolate on Depth using Lonkar Gamma Ray / CCL Log ran January 25, 2016. - Run back down to 1350.80 (CCL Depth), 1349.0 mKB (EOT Depth). - Pull up into position 1346.20 (CCL Depth), 1349.0 (Center Element), 1348.81mKB (Top of Retainer). - 11:26 Hrs: Retainer set. - Pull up 5m and run back down tagging retainer top to ensure retainer set. - POOH with Wireline. - 11:45Hrs: Wireline @ surface, break off lubricator and ensure retainer gone. Re-stab lubricator.
12:00	13:30	1.50	CEMENT	ELOG	- Fill Casing (140 Liters) and pressure test retainer to 21.0 mPa for 10min - solid test. - Bleed off applied pressure, drain lines and blow dry with steam. - Break off and lay out Wireline lubricator on catwalk - Remove Wireline bop's c/w 7 1/16-5K flange. - Lower Blocks, rig out sheaves and re-install bails and tbg elevators. - Prep equipment to run in the hole with 60.3mm Tbg c/w SLB Stinger assembly.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 20
 Report Date: 2/1/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation										
13:30	18:30	5.00	RPEQPT	TRIP	P		<ul style="list-style-type: none"> - Run in the hole with 141 Jts 60.3mm tbg c/w SLB Snap Latch Stinger for 7" retainer. - 15:30 Hrs: Tag retainer @ 1348.77mKB (Tbg Depth), Sting into retainer and place 1,500daN. - Rig in circulating equipment. - Sting out of retainer, elevate tbg string 1m from tag point. - Reverse circulate 2m³ with fresh water. - Sting into retainer, set 2,000dan and mark tbg, pull into neutral and mark tbg. - Pressure test tbg string + retainer in neutral position to 10.0 mPa for 10min, (14 mPa will pop latch with string in neutral). Good Test. - Bleed off applied pressure and set 2,000daN compression on retainer. Pressure test annulus side to 21.0 mPa for 10min - good test. - Bleed off applied pressure on annulus. - Pump down tbg and establish feed rate through tbg with following results: <table style="margin-left: 20px;"> <tr><th>PUMP RATE (LPM)</th><th>PRESSURE (mPa)</th></tr> <tr><td>244</td><td>11.8</td></tr> <tr><td>293</td><td>12.6</td></tr> <tr><td>318</td><td>13.0</td></tr> <tr><td>366</td><td>13.8</td></tr> </table> - Pump total of 10m³ for injectivity / feed rate test. - Bleed back applied pressure and recover 3.64m³. 	PUMP RATE (LPM)	PRESSURE (mPa)	244	11.8	293	12.6	318	13.0	366	13.8
PUMP RATE (LPM)	PRESSURE (mPa)																
244	11.8																
293	12.6																
318	13.0																
366	13.8																
18:30	19:30	1.00	RPEQPT	TRIP	P		<ul style="list-style-type: none"> - Pull retainer into neutral, sting out of retainer. - Pull 5 Jts of 60.3mm Tbg to drop fluid level in wellbore. - Install tbg hanger, land and lag up. - Drain and winterize equipment. - Secure and SDFN. 										
Report Fluids 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		24.50		14.00	10.00	3.64	31.96										
Daily Costs																	
BU Desc	Vendor	Activity Code	Amount (Cost)														
Surface Completion Equipment Rental	***VENDOR NOT LISTED***	Q300	3,600.00														
Surface Completion Equipment Rental	BP PUMP LTD	Q300	40.00														
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	11,840.00														
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	860.00														
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	280.00														
Completion Fluids & Other Chem	HRN CONTRACTING LTD	G300	1,395.00														
Electric Line Servs on Drilling Ops.	LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...	K100	5,351.00														
Trucking/Hauling/ Hot Shot Services	MACKAY EXPEDITING & LOGISTICS	P100	787.50														
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00														
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	500.00														
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,269.52														
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	942.40														
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00														
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00														
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	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	RIGSAT COMMUNICATIONS INC	Q300	30.00														
Cementing Services & Materials	SCHLUMBERGER CANADA LIMITED	J200	5,438.72														
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00														
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00														
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	50.00														

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 20

Report Date: 2/1/2016

Final Job Status: ABANDONED

Final Report? Yes

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)			
Perforations				
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 21

Report Date: 2/2/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 2/2/2016 07:30	Report End Date 2/2/2016 19:30	Daily Cost Total (Cost) 78,585.58	Cumulative Cost (Cost) 721,936.65	Personnel Regular Hours (hr) 184.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C)	-17	Lease Condition Snow covered		
Last 24hr Summary MIRU SLB Cementers, Conduct 3.0m³ Retainer squeeze as per program - Final Squeeze Pressure = 9,431kPa with 2.5m³ cement squeezed past retainer. POOH 60.3mm Tbg string c/w Snap Latch Stinger Assembly.							
24hr Forecast MIRU Lonkar E-line, Perforate Imperial Sand Interval 1339.0 - 1342.0 mKB / Establish Feed Rate / Dump Bail 3 lineal meters ResinBond cement on retainer set @ 1348.81 mKB / Set 7" PCR Cement Retainer at desired depth as per Calgary.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	P		Conduct Safety meeting with all personnel, document and discuss hazards associated with Running in the hole with tbg, rigging up cementers , pressure testing / feed rate, conducting Conducting cement retainer squeeze, Tripping tbg out and working with steam. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	08:30	0.50	CEMENT	OTHR	P		- Conduct walk-around inspection and LEL sweep - no LEL's detected, inspected cellar area around wellhead - no bubbling or gas migrating around exterior of wellhead, no spills or leaks identified on any equipment. - Check well pressure = static / SCV = Vent Nanny tied in. - Warm up all equipment, rig in kill line to work spool, apply heat to line and roll pump to rig tank.
08:30	09:30	1.00	CEMENT	ELOG	P		- Spot and rig in SLB Cementing equipment. - Strip out tbg hanger, RIH with 5 Jts of 60.3mm Tbg. - Sting into cement retainer. - Pressure test cement retainer (Annulus side) to 21.0 mPa - solid test. - Transfer warm potable water (25°C) to cement pumper and circulate pumper to warm up pump and plumbing.
09:30	10:00	0.50	CEMENT	SFTY	P		Conduct tailgate meeting with all personnel, document and discuss all hazards associated with cement retainer squeeze, transferring water, stinger function and operatio, back washing tbg, and environmental concerns.
10:00	11:00	1.00	CEMENT	CIRC	P		- Pump 200L down tbg to ensure line full and all air displaced. - Shut in Hamer and pressure SLB treating line to 1.4 + 28.0 mPa. - Open up tbg and establish feed rate through retainer with following results: RATE (LPM) PRESSURE (kPa) 50 9,620 100 10,346 150 11,103 200 12,019 - Pump total of 2.0m³ while establishing feed rate. - Batch mix 3m³ (2.85m³ actual volume) 1680 kg/m³ SqueezeCRETE cement. (11:00Hrs Cement mixed)

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 21
 Report Date: 2/2/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
11:00	14:00	3.00	CEMENT	CMNT	P		Conduct retainer squeeze with 1680 kg/m ³ SqueezeCRETE cement with the following results: - 11:04Hrs: Pump 2.85 m ³ cement @ 200lpm placing 0.30m ³ behind retainer (With Cement @ retainer treating pressure = 4,854 kPa) - Displace Cement with 0.70m ³ fresh water @ rate of 200lpm placing 1.0m ³ behind cement retainer (5,454kPa) - Decrease pump rate to 50 lpm for 500 Liters placing 1.5m ³ cement behind retainer (5,927 kPa) - Decrease Pump rate to 25 lpm for 400 Liters placing 1.9m ³ cement behind retainer (7,190 kPa) - Decrease Pump rate to 9 lpm for 600 Liters placing 2.5m ³ Cement behind cement retainer with final squeeze pressure of 9,431 kPa. (121 Minutes elapsed time). - Pull stinger into neutral, close hamer valve and rig off SLB treatment line. - Install Kelly hose and open to rig tank to bleed off residual pressure. - Pop out of retainer, elevate tbg string 1m ³ . - Rig out SLB cementing equipment, clean up all equipment with vac truck. - Reverse circulate tbg clean with fresh water - Recovered 300 - 400 liters of cement (Timed returns vs pump rate), cement returns captured by vac truck and off-loaded in BP Pump cement bin. - With tbg clean, bleed off circ pressure and prep equipment to POOH with 60.3mm tbg.
14:00	16:30	2.50	RPEQPT	TRIP	P		- Pull out of the hole to mast with 141 Jts of 60.3mm Tbg c/w Smith Snap latch stinger assembly.
16:30	18:30	2.00	WELLPR	ELOG	P		- Rig out Tong and tubing slips. - Install wireline 7" Bop's c/w 7 1/16"-5K Flange, torque down flange. - Remove Tubing elevators and Bails for additional crown height during wireline operations. - Rig n sheaves, pick up Lubricator and stab on. - Secure well and SDFN.
Report Fluids 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		26.00		17.00	7.40	0.00	39.36
Daily Costs							
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		11,135.00
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		688.00
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		280.00
Completion Fluids & Other Chem			HRN CONTRACTING LTD		G300		1,405.00
Electric Line Servs on Drilling Ops.			LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...		K100		3,375.00
Trucking/Hauling/ Hot Shot Services			MACKAY EXPEDITING & LOGISTICS		P100		393.75
Wellsite Supervision & Engineering			MINAULT ENERGY SERVICES LTD		T130		1,620.00
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		705.00
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD		G300		1,169.32
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		125.00
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		200.00
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		185.00
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			RIGSAT COMMUNICATIONS INC		Q300		30.00
Cementing Services & Materials			SCHLUMBERGER CANADA LIMITED		J200		52,404.51
Cementing Services & Materials			SCHLUMBERGER CANADA LIMITED		J200		2,915.00
Surface Completion Equipment Rental			TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300		350.00
Surface Completion Equipment Rental			TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300		450.00
Surface Completion Equipment Rental			TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300		50.00

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 21

Report Date: 2/2/2016

Final Job Status: ABANDONED

Final Report? Yes

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)			
Perforations				
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 22

Report Date: 2/3/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 2/3/2016 07:30	Report End Date 2/3/2016 19:30	Daily Cost Total (Cost) 44,280.53	Cumulative Cost (Cost) 766,217.18	Personnel Regular Hours (hr) 154.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Foggy	Temperature (°C)	-24	Lease Condition Snow covered		
Last 24hr Summary MIRU Lonkar E-line, Run in the hole and perforate Imperial Sand 1339.0 - 1342.0 mKB / Attempt to establish feed rate, reached max pressure of 11.0 mPa with no feed rate or leak off / Dump Bail 3 lineal meters on top of retainer set @ 1348.80mKB (Top) / Set 7"-69.0 mPa PCR Cement Retainer @ 1334.80 mKB (Top) / Rig out E-line and prep to RIH c/w stinger in am.							
24hr Forecast RIH 60.3mm tbg c/w Snap Latch Stinger assembly / Sting into retainer set @ 1334.80 mKB, Pressure test / Conduct 2.0m³ Acid job squeeze with 15% Synthetic Acid / Establish feed rate and prep for retainer squeeze.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	P		Conduct Safety meeting with all personnel, document and discuss hazards associated with Conducting Wireline runs (perforating, dump bailing cement, setting cement retainer), Pressure testing, establishing feed rate and working with steam. Review PJHA, IWTP + ERP. Check all personnel's safety tickets and CPC orientation cards - all valid.
08:00	08:30	0.50	CEMENT	OTHR	P		<ul style="list-style-type: none"> - Conduct walk-around inspection and LEL sweep - no LEL's detected, inspected cellar area around wellhead - no bubbling or gas migrating around exterior of wellhead, no spills or leaks identified on any equipment. - Check well pressure = static / SCV = Vent Nanny tied in. - Warm up all equipment, rig in kill line to work spool, apply heat to line and roll pump to rig tank.
08:30	12:30	4.00	CEMENT	ELOG	P		<ul style="list-style-type: none"> - Prep Wireline equipment for daily operations, inspect counter, sheaves and rope socket. - Make up 3m x127mm, Owen SDP-4500-411NT3 39gm HMX charges at 50° phasing and 17.5 spm perforating gun, - Pick up gun and stab on lubricator, fill and pressure test lubricator to 1.4 + 14 mPa. - Run in the hole and tag retainer top (lightly) @ 1348.80mKB (no cement left on top of retainer), pull up and log up to 1277.7 (CCL Depth), run down to top of retainer and pull into position @ 1338.2 (CCL Depth), Perforate Interval 1339.0 - 1342.0 mKB (10:37). - No change identified on well-bore. - POOH. - Inspect gun once at surface, all shots fired and centered in scallops. - Make up 2nd perforating gun, 3m x127mm, Owen SDP-4500-411NT3 39gm HMX charges at 50° reverse phasing and 17.5 spm, - Run in the hole to 1345.0 mKB, pull up and log up to 1289.0 (CCL Depth), run down to 1345.0 and pull into position @ 1338.2 (CCL Depth), Perforate Interval 1339.0 - 1342.0 mKB (12:00). - No change identified on well-bore. - POOH. - Inspect gun once at surface, all shots fired and centered in scallops. <p>Note: Notified by CPC Engineer (Louis Borbely) surface vent flow had decreased according to vent nanny readings, inspected vent nanny and discovered stainless flow line was frozen. Removed stainless line, installed dead weight on SCV and opened with a reading of 560 kPa shut in pressure. Contacted Louis with findings, directed to bleed off surface casing, thaw out stainless line and vent nanny instrumentation box, allow surface casing to vent.</p>

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
12:30	15:00	2.50	CEMENT	ELOG	P		<ul style="list-style-type: none"> - Fill casing and attempt to establish feed rate, pressure wellbore up to 11.0 mPa - monitor for 10min with no leak off. - Bleed off applied pressure, drain and blow out lines. - Mix 3 Lineal meters of Resin Bond Cement (56 Liters) in mixing barrel. - Make up 2x sections of 127mm dump bailer c/w plunger style dump system. Fill bailer with 56L of Resin Bond cement. - Make up CCL / Cable Head on Bailer, stab on lubricator. - Run in the hole and tag Cement retainer @ 1348.80mKB, drop cement on cement retainer (204lbs weight loss). - Pull out of the hole with dump bailer. - Inspect bailer once at surface, all cement placed. - 15:15 Hrs: Conduct Bubble test on Surface casing vent with too many bubbles to count. Rig in flameless heater, snake stainless flow line through heater ducting and tarp in instrumentation box to prevent freezing issues, re-installed tapped bull plug and connected vent nanny flow line.
15:00	18:30	3.50	CEMENT	ELOG	P		<ul style="list-style-type: none"> - Make up 69.0 mPa - 7" PCR cement retainer on setting tool. - Pick up tools, stab on lubricator and run in the hole with cement retainer. - Set cement retainer @ 1335.0 mKB (C.E), 1334.8 mKB (Top). - Pull out of the hole with setting tool. - Pressure test cement retainer to 21.0 mPa for 10min with 0 leak off - solid test. - Bleed off applied pressure, drain and blow out pump lines. - Rig out and lay down 7" lubricator on catwalk. - Remove wireline bop's and flange. - Rig out sheaves, - Install bails and tbg elevators, prep all equipment to run in the hole with 60.3mm tbg c/w Snap Latch stinger assembly in am. - Secure well, drain and winterize equipment. - Conduct walk-around inspection - no spills or leaks identified. - SDFN.
Report Fluids 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		19.00		3.00			39.36
Daily Costs							
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		11,810.00
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		280.00
Electric Line Servs on Drilling Ops.			LONKAR SERVICES LTD		K100		21,531.33
Wellsite Supervision & Engineering			MINAULT ENERGY SERVICES LTD		T130		1,620.00
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		1,000.00
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD		G300		1,724.00
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		125.00
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		200.00
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		325.00
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		185.00
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			RIGSAT COMMUNICATIONS INC		Q300		30.00
Cementing Services & Materials			SCHLUMBERGER CANADA LIMITED		J200		3,495.20
Surface Completion Equipment Rental			TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300		350.00
Surface Completion Equipment Rental			TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300		450.00
Surface Completion Equipment Rental			TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300		50.00

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 22

Report Date: 2/3/2016

Final Job Status: ABANDONED

Final Report? Yes

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)			
Perforations				
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 23

Report Date: 2/4/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 2/4/2016 07:30	Report End Date 2/4/2016 17:30	Daily Cost Total (Cost) 37,016.56	Cumulative Cost (Cost) 803,233.74	Personnel Regular Hours (hr) 144.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 0 Foggy	Temperature (°C)	Lease Condition -23 Snow covered			
Last 24hr Summary RIH 60.3mm tbg c/w stinger, pressure tested the retainer. MIRU SLB acid pumper, established a feed rate, Conducted a 2m ³ acid squeeze as per program with 15% Synthetic acid.							
24hr Forecast MIRU SLB Cementing Equipment / Conduct 3.0m ³ Retainer Squeeze on ImperialSand Interval 1339.0 - 1342.0mKB / POOH w/ Tbg.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation		
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:00	0.50	RPEQPT	SFTY	P		Held a PJHA # 02042016 with C&J rig crew, Schlumberger toolhand, Frontier medic. Discussed making up the stinger BHA, RIH with 60.3 mm tbg out of the derrick, stinging in to retainer, pressure testing retainer, muster area and the associated hazards. Reviewed the Site ERP and Injured Worker Transportation Plan with crew members. Safety tickets, orientations checked and valid.
08:00	11:45	3.75	RPEQPT	TRIP	P		- Run in the hole with 138 Jts, 10 ft pup jt, 6 ft pup jt #139 c/w SLB Snap Latch Stinger for 7" retainer. - Tagged retainer @ 1334.80 mKB (Tbg Depth), Sting into retainer and set 2 daN on to the retainer. Note : BOP Drill held @ 09:52 hrs.
11:45	12:00	0.25	WELLPR	SFTY	P		Held a PJHA # 02042016 with C&J rig crew, Schlumberger toolhand, Frontier medic, Schlumberger pumping crew. Discussed pressure testing the retainer, Acid squeeze, POOH with 60.3 mm tbg, landing the tbg hanger, muster area and the associated hazards. Reviewed the Site ERP and Injured Worker Transportation Plan with crew members. Safety tickets, orientations checked and valid.
12:00	13:15	1.25	CEMENT	OTHR	P		- Spot SLB Acid pumper. - Load on 1m ³ fresh water (Municipal water) on tank truck to blend acid. - Spot tank truck and tie in transfer hose. - String out 2" acidizing hose and tie onto tbg. - Rigged in remaining auxiliary equipment and prep to conduct acid squeeze job as per program. - Rigged in circulating equipment. - Warmed up equipment and primed pumps. - Fill and pressure test treating line to 1.4 + 30 mPa. - Break circulation to rig tank with Fresh Water. - Set 9 daN on to retainer. Pressure tested the csg to 21 mPa for 10 min test was good. - Pressure tested tbg string + retainer in neutral position to 10.0 mPa for 10 min test was good. - Bleed off applied pressure and set 9,000 daN compression on retainer. - Pump down tbg and establish break/feed rate through tbg with following results: Started pumping water to get break down, pumped 50 liters at 5 liters/min, pressured up to 17,700 kpa and broke Shut down pump.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation														
13:15	18:30	5.25	CEMENT	CMNT	P		<ul style="list-style-type: none"> - Stung out of the retainer. - Switched to acid and circulated 2m³ 15% Synthetic acid blend down tbg followed by 0.5 m³ Fresh water. - Stung in to retainer and squeezed 1.0 m³ acid previously circulated into zone followed by 10.0m³ fresh water to over-displace. - While over displacing 10 m³ fresh water conduct feed rates with following rates and pressures: <table style="margin-left: 20px;"> <tr><th>Rate(LPM)</th><th>Pressure(kPa)</th></tr> <tr><td>300</td><td>13,565</td></tr> <tr><td>318</td><td>13,849</td></tr> <tr><td>322</td><td>13,579</td></tr> <tr><td>322</td><td>13,881</td></tr> <tr><td>325</td><td>13,628</td></tr> <tr><td>325</td><td>13,565</td></tr> </table> ISIP - 13,545 kPa ISIP (10min) - 10,946 kPa - Pulled to neutral. - Bleed off applied pressure, drain lines and equipment with vac truck. - Rigged out Acidizing equipment. - POOH laid down 1 jt, 10 ft pup, 6 ft pup, stood 10 jts in the derrick, landed the tbg hanger and secured the well. - Circulated the fresh water 400 BBL tank (Temp at 24°C). - Rig crew held cross shift meeting with the relief crew. <p>13:30- 15:15 NOTE: Safety Stand down held at Camp in Norman Wells with CPC/ WSCC/OROGO/ and services being used in Norman Wells. Discuss Safety and spill prevention.</p>	Rate(LPM)	Pressure(kPa)	300	13,565	318	13,849	322	13,579	322	13,881	325	13,628	325	13,565
Rate(LPM)	Pressure(kPa)																				
300	13,565																				
318	13,849																				
322	13,579																				
322	13,881																				
325	13,628																				
325	13,565																				

Report Fluids 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			12.50	0.00	51.86

Daily Costs

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	15,507.50
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,900.00
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	280.00
Completion Fluids & Other Chem	HRN CONTRACTING LTD	G300	1,405.00
Completion Fluids & Other Chem	IMPERIAL OIL	G300	760.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Wellsite Supervision & Engineering	MKH SHORT CONSULTING LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	705.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	500.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	325.00
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	75.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	75.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	75.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	651.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	570.40
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	30.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Cementing Services & Materials	SCHLUMBERGER CANADA LIMITED	J200	5,595.66
Cementing Services & Materials	SCHLUMBERGER CANADA LIMITED	J200	2,915.00

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 23

Report Date: 2/4/2016

Final Job Status: ABANDONED

Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	152.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 24

Report Date: 2/5/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 2/5/2016 07:30	Report End Date 2/5/2016 19:30	Daily Cost Total (Cost) 94,900.16	Cumulative Cost (Cost) 898,133.90	Personnel Regular Hours (hr) 177.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Short, 403-348-7127							
Tubing Pressure (kPa) 0	Casing Pressure (kPa) 0	Weather clear	Temperature (°C) -23	Lease Condition Snow covered			
Last 24hr Summary MIRU SLB Cementers, Conduct 3.2m³ Retainer squeeze - Final Squeeze Pressure = 10,472kPa with 2.8m³ cement squeezed past retainer and 20m of cement on top of retainer. Begin to POOH 60.3mm Tbg string c/w Snap Latch Stinger Assembly.							
24hr Forecast Finish pulling out of hole 60.3mm tubing string c/w Snap Latch Stinger Assembly.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P-T-X	Trbl Code	Operation
07:30	08:00	0.50	CEMENT	SFTY	P		Held pre-job safety and operations meeting with all services. Review CPC PJHA, discuss rig in cementers hazards/ tripping tubing hazards/ slippery lease conditions and use of traction control/ overhead loads/ high pressure lines/ hammering/wrenching/trapped pressure/ ice plugs/cold weather operations. Review transportation plan and muster areas with all workers. All workers safety certificates checked. Note: OROGO and WSCC on location for safety meeting and observation of operations.
08:00	10:00	2.00	CEMENT	RURD	P		Perform daily walk around inspections and checks. Inspect all equipment for leaks/spills, none found. Sweep for LEL's, no LEL's Begin rigging in SLB cementing equipment. Run cementing line through flameless heater hose to warm while pumping operations underway. Rig crew warm equipment, Install kill line to BOP's. Roll fresh potable water tank and check temperature (24°C) Check well pressures SITP-0kPa SICP-0kPa Surface casing- vent nanny installed.
10:00	10:30	0.50	CEMENT	TRIP	P		Run in hole with 9 joints of 60.3mm from derrick. Tubing full and slightly displacing while running in hole on 9th joint. OROGO and WSCC members on site to conduct a bop drill. Lay down 1 joint out of derrick and conducted a bop drill. 10:30am Driller sounded alarm and conducted a BOP drill. Well shut in, crew and services met at muster area for a head count and debriefing. No major concerns noted, head count accurate. Discussion to be held later due to concern for water freezing in tubing and creating an ice plug.
10:30	11:30	1.00	CEMENT	CIRC	T	Hole Conditions	Open safety valve, no pressure. Removed safety valve, noticed fluid in tubing formed and ice plug. Re-installed safety valve. Tarp in exposed tubing and head. Rig on circulating equipment. Established circulation to ensure ice plug was thawed.
11:30	12:30	1.00	CEMENT	TRIP	P		Pre-heat next joints to be run in hole to avoid possible ice plugs. Run in hole 1 joint 60.3mm tubing, 3.1m pup, 1.86m pup and 1 more joint of 60.3mm tubing. (139 joints total in hole). Land just above cement retainer. Rig on SLB pump line and secure. Tarp in and heat to avoid freezing.
12:30	13:00	0.50	CEMENT	SFTY	P		Review CPC PJHA. Discuss pumping operation hazards and procedures.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
13:00	17:15	4.25	CEMENT	CMNT	P		<p>Fill lines and break circulation to warm equipment for pressure test. Shut hamer valve and pressure test treating line to 1.4 and 28MPa (good test)</p> <p>Sting into retainer top @ 1334.8mKB.</p> <p>Establish a feed rate as follows:</p> <p>50L/min @ 11,400kPa 100L/min @ 11,900kPa 150L/min @ 12,300kPa 200L/min @ 12,600kPa</p> <p>Pump total of 1.5m³ while establishing feed rate.</p> <p>Pull up into neutral and pressure test tubing to 10MPa, test good.</p> <p>Batch mix 3.2m³ (3.4m³ actual volume) 1680 kg/m³ SqueezeCRETE cement. (15:08Hrs Cement mixed)</p> <p>Conduct retainer squeeze with 1680 kg/m³ SqueezeCRETE cement with the following results:</p> <ul style="list-style-type: none"> - 15:08Hrs: Pump 3.4 m³ cement @ 120lpm placing 0.70m³ behind retainer (With Cement @ retainer treating pressure = 4,980 kPa) - Displace Cement with 300L fresh water @ rate of 200lpm placing 1.0m³ behind cement retainer (5,549kPa) - Decrease pump rate to 50 lpm for 300 Liters (rate was dropped prematurely, adjusted to working time vs pump time accordingly) placing 1.3m³ cement behind retainer (5,927 kPa) - Decrease Pump rate to 25 lpm for 1500 Liters placing 2.8m³ cement behind retainer (10,222 kPa) - Decrease Pump rate to 10 lpm for 200 Liters placing 3.0m³ Cement behind cement retainer with final squeeze pressure of 10,472 kPa. (123 Minutes elapsed time). <p>400L of cement remaining in tubing.</p>
17:15	19:00	1.75	CEMENT	CMNT	P		<p>17:10HRS Sting out of retainer. Rig off SLB treating line.</p> <p>Tubing on slight vac indicating cement dropping out of end of tubing, leaving on top of retainer. Pull 6 joints of tubing and pup joints (tubing pulling dry) End of tubing @ 1279mKB</p> <p>Rig on circulating equipment. Backwash tubing with 6m³ fresh water. Minimal cement seen in returns (approx. 20L)</p> <p>Estimated cement top @ 1315.8mKB (19m of cement on top of retainer)</p> <p>Rig off circulating equipment, continue to pull out of hole 60.3mm tubing and stinger. Pulled a total of 26 joints (113joints remaining in hole) Land tubing hanger.</p>
19:00	19:30	0.50	CEMENT	SISW	P		Tubing hanger landed and secured. Close and lock pipe rams, secure well. Drain and winterize pump lines and equipment.

Report Fluids 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				7.50	0.00

Daily Costs

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	13,702.50
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	280.00
Completion Fluids & Other Chem	HRN CONTRACTING LTD	G300	2,165.00
Wellsite Supervision & Engineering	MKH SHORT CONSULTING LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	325.00
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	185.00
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	1,705.00

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 24

Report Date: 2/5/2016

Final Job Status: ABANDONED

Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	2,876.80
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Cementing Services & Materials	SCHLUMBERGER CANADA LIMITED	J200	65,045.46
Cementing Services & Materials	SCHLUMBERGER CANADA LIMITED	J200	2,915.00
Downhole Completion Equipment	SCHLUMBERGER CANADA LIMITED	C100	1,785.40
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 25

Report Date: 2/6/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 2/6/2016 07:30	Report End Date 2/6/2016 19:30	Daily Cost Total (Cost) 34,677.70	Cumulative Cost (Cost) 932,811.60	Personnel Regular Hours (hr) 160.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Short, 403-348-7127							
Tubing Pressure (kPa) 0	Casing Pressure (kPa) 0	Weather clear	Temperature (°C) -21	Lease Condition Snow covered			
Last 24hr Summary Pull out of hole 60.3mm tubing and stinger. MIRU Lonkar E-line, Run in the hole and perforate Imperial Sand 1267.0 - 1269.0mKB. Perforate Imperial Sand 1265.0-1267.0mKB Reverse Phased gun only.							
24hr Forecast Perforate Imperial Sand 1265.0-1267.0mKB Regular phased gun. Attempt feed rate.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation		
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	
07:30	08:00	0.50	RPEQPT	SFTY	P		Held pre-job safety and operations meeting with all services. Review CPC PJHA, tripping tubing hazards/ rig in wireline hazards/ slippery lease conditions and use of traction control/ overhead loads/ hammering/wrenching/trapped pressure/ ice plugs/cold weather operations/ pinch points on floor. Review transportation plan and muster areas with all workers. All workers safety certificates checked.
08:00	08:45	0.75	RPEQPT	TRIP	P		Held pre-job safety and operations meeting with all services. Review CPC PJHA, tripping tubing hazards/ rig in wireline hazards/ slippery lease conditions and use of traction control/ overhead loads/ hammering/wrenching/trapped pressure/ ice plugs/cold weather operations/ pinch points on floor. Review transportation plan and muster areas with all workers. All workers safety certificates checked.
08:45	10:45	2.00	RPEQPT	TRIP	P		Pull out of hole remainder of 60.3mm tubing and stinger (113 joints) Inspect stinger, all seals in place.
10:45	12:30	1.75	CEMENT	RURD	P		Spot and rig up Lonkar Wireline. Install wireline 7" Bop's c/w 7 1/16"-5K Flange, torque down flange. Remove Tubing elevators and Bails for additional crown height during wireline operations. Rig in sheaves, pick up Lubricator. Lubricator wrapped with steam line and tarped to avoid freezing.
12:30	12:45	0.25	CEMENT	SFTY	P		Review CPC PJHA. Discuss perforating operations and hazards. Overhead loads/explosives/purge and pressure testing/high pressure lines.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 25
 Report Date: 2/6/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation					
12:45	17:15	4.50	CEMENT	ELOG	P		<p>13:05Hrs vent nanny switched to perf mode.</p> <p>Make up 2- 2m guns. Gun # 1- 127mm, Owen SDP-4500-411NT3 39gm HMX charges at 50° phasing and 17.5 spm perforating gun, Gun # 2- 127mm, Owen SDP-4500-411NT3 39gm HMX charges at 50° reverse phasing and 17.5 spm perforating gun, Pick up gun string and stab on lubricator, fill and pressure test lubricator to 1.4 + 14 mPa.</p> <p>Run in the hole down to 1279mKB. Log up to 1200m and correlate to Schlumberger cased hole cement bond log dated February 26, 2013, Run back in hole, pull up into position and Perforate Interval 1267.0 - 1269.0 mKB (14:43).</p> <p>Pull short correlation log, run back in hole, pull up into position with gun # 2 (reverse phasing). Perforate interval 1267.0-1269.0mKB (14:52)</p> <p>POOH.</p> <p>Inspect guns once at surface, all shots fired and in correct orientation. (1 shot on regular phased gun fired but did not penetrate scallop)</p> <p>Make up 2nd perforating gun string, Gun # 1- 127mm, Owen SDP-4500-411NT3 39gm HMX charges at 50° phasing and 17.5 spm perforating gun, Gun # 2- 127mm, Owen SDP-4500-411NT3 39gm HMX charges at 50° reverse phasing and 17.5 spm perforating gun,</p> <p>Run in the hole down to 1275mKB. Log up to 1200m and correlate to Schlumberger cased hole cement bond log dated February 26, 2013, Run back in hole, pull up into position and attempt to Perforate Interval 1265.0 - 1267.0 mKB. No indication of gun firing.</p> <p>Pull short correlation log, run back in hole, pull up into position with gun # 2 (reverse phasing). Perforate interval 1265.0-1267.0mKB (16:40)</p> <p>Pull out of hole to 100mKB, Assume regular phased gun not fired.</p>					
17:15	17:30	0.25	CEMENT	SFTY	T	Perforating	Review CPC PJHA, discuss procedures for possible misfired gun/No non essential personnel in area/Dissarming gun.					
17:30	18:45	1.25	CEMENT	ELOG	T	Perforating	<p>Pull guns to surface and inspect. Regular phased gun NO shots fired, Reverse phased gun ALL shots fired and correct orientation.</p> <p>Disarm and inspect regular phased gun. Detonator was activated but Primer cord did not ignite.</p> <p>Make up single 2m regular phased gun- 127mm, Owen SDP-4500-411NT3 39gm HMX charges at 50° phasing and 17.5 spm perforating gun,</p> <p>Run in the hole down to 1275mKB. Log up to 1225m and correlate to Schlumberger cased hole cement bond log dated February 26, 2013, Run back in hole, pull up into position and attempt to Perforate Interval 1265.0 - 1267.0 mKB. No indication of gun firing. Troubleshoot issues- reading resistance low, check detonator. Move toolstring/ pull back into position and attempt to fire gun with same results.</p> <p>Pull out of hole to 100m.</p>					
18:45	19:00	0.25	CEMENT	SFTY	T	Perforating	Review CPC PJHA, discuss procedures for misfired gun/No non essential personnel in area/Dissarming gun.					
19:00	19:15	0.25	CEMENT	ELOG	T	Perforating	Finish pulling out of hole/lay down and disarm gun. Found ground wire was broke off inside gun. Cable head checked out ok.					
19:15	19:30	0.25	CEMENT	SISW	T	Perforating	Shut in and secure well for night. Drain and winterize equipment. 19:35Hrs- Vent nanny switched to on mode					
Report Fluids 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	59.36
Daily Costs												
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		12,792.50		
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		280.00		
Electric Line Servs on Drilling Ops.				LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...				K100		10,611.00		
Wellsite Supervision & Engineering				MKH SHORT CONSULTING LTD				T130		1,620.00		

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 25
 Report Date: 2/6/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	325.00
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	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	185.00
Rig Camp	PBN ENERGY SERVICES LTD	E500	1,305.60
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	500.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,736.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	942.40
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	705.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Downhole Completion Equipment	SCHLUMBERGER CANADA LIMITED	C100	1,380.20
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 26
 Report Date: 2/7/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080	
Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02	
Objective Abandon Cut and Cap					
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00	
Daily Operations					
Report Start Date 2/7/2016 07:30	Report End Date 2/7/2016 19:30	Daily Cost Total (Cost) 29,060.80	Cumulative Cost (Cost) 961,872.40	Personnel Regular Hours (hr) 115.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Short, 403-348-7127					
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 0 overcast	Temperature (°C)	Lease Condition -20 Snow covered	
Last 24hr Summary Attempt feed rate, no feed rate. Perforate Imperial Sand 1265.0-1267.0mKB Regular Phased gun. Run in hole 60.3mm tubing, land tubing hanger for acid wash and squeeze. End of tubing at 1276.73mKB					
24hr Forecast Perform 2m ³ acid wash and squeeze. Re- position tubing for cement job.					
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation
7:30	08:00	0.50	CEMENT	SFTY	Held pre-job safety and operations meeting with all services. Review CPC PJHA, pumping hazards/ rig in wireline hazards/ slippery lease conditions and use of traction control/ overhead loads/ hammering/wrenching/trapped pressure/ ice plugs/cold weather operations/ pinch points on floor/high pressure lines. Review transportation plan and muster areas with all workers. All workers safety certificates checked.
08:00	08:30	0.50	CEMENT	OTHR	Perform daily walk around inspections and checks. Inspect all equipment for leaks/spills, none found. Sweep for LEL's, no LEL's Check well pressures SICP- slight vac Surface casing- vent nanny installed. Warm equipment and install kill line to BOP's.
08:30	09:00	0.50	CEMENT	CIRC	Pre-heat pump line. Pressure test line to 1.4 and 21MPa. Test good Attempt to establish feed rate. Fill and pressure up to 11MPa, (1m ³ to fill) monitor for 5 min, pressure bled down to 10,500kPa. Bring pressure back up to 11MPa monitor for 5 min, pressure bled down to 10,200kPa. Not able to establish a feed rate. Bleed off pressure back to rig tank.
09:00	09:30	0.50	CEMENT	ELOG	Prep wireline equipment and regular phase gun for perforating operations.
09:30	09:45	0.25	CEMENT	SFTY	Review CPC PJHA, discuss perforating operation hazards/ explosives/ rotating hazards/ overhead loads/snag points.
09:45	13:00	3.25	CEMENT	ELOG	Make up 2m x127mm, Owen SDP-4500-411NT3 39gm HMX charges at 50° regular phasing and 17.5 spm perforating gun. Vent meter set to perf mode 10:05am Run in the hole down to 1270mKB. Log up to 1210m and correlate to Schlumberger cased hole cement bond log dated February 26,2013, Run back in hole, pull up into position and Perforate Interval 1265.0 - 1267.0 mKB. Regular phase gun. (10:24am) Pull out of hole and inspect gun. All shots fired and correct orientation. 11:05am Vent meter returned to on mode. Rig out Lonkar wireline equipment. Prep to run in hole 60.3mm tubing.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 26
 Report Date: 2/7/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation		
13:00	15:30	2.50	RPEQPT	TRIP	P		Run in hole 60.3mm tubing open ended for acid wash and squeeze. 132 joints of 60.3mm/6.99kg/m tubing 1.86m 60.3mm pup joint 1 joint 60.3mm/6.99kg/m tubing Tubing hanger landed and secured End of tubing at 1276.73mKB (7.73m lower than bottom perf) Perforations at 1265.0-1269.0mKB Lay down remainder of joints from derrick (9 joints). Protectors installed on tubing. Shut in and secure well.		
15:30	18:00	2.50	RPEQPT	OTHR	P		Transfer fluid from rig tank to have room for acid and cement job. Circulate potable water tank and check temperature (33°C) Drain and winterize equipment.		
Report Fluids Summary									
Fluid		To lease (m ³)		From lease (m ³)		To well (m ³)			
FRESH WATER				1.00		1.00			
Daily Costs									
BU Desc				Vendor		Activity Code	Amount (Cost)		
Service Rig				C&J ENERGY PRODUCTION SERVICES CANADA LTD		E120	11,735.00		
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	280.00		
Completion Fluids & Other Chem				IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION		G300	2,336.00		
Completion Fluids & Other Chem				IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION		G300	331.00		
Electric Line Servs on Drilling Ops.				LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...		K100	5,787.00		
Wellsite Supervision & Engineering				MKH SHORT CONSULTING LTD		T130	1,620.00		
Surface Completion Equipment Rental				PBN ENERGY SERVICES LTD		Q300	125.00		
Surface Completion Equipment Rental				PBN ENERGY SERVICES LTD		Q300	200.00		
Surface Completion Equipment Rental				PBN ENERGY SERVICES LTD		Q300	325.00		
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	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	1,205.00		
Completion Fluids & Other Chem				PBN ENERGY SERVICES LTD		G300	2,256.80		
Surface Completion Equipment Rental				RIGSAT COMMUNICATIONS INC		Q300	15.00		
Completion Fluids & Other Chem				SRP NORTH VENTURES LTD		G300	390.00		
Completion Fluids & Other Chem				SRP NORTH VENTURES LTD		G300	55.00		
Surface Completion Equipment Rental				TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300	350.00		
Surface Completion Equipment Rental				TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300	450.00		
Surface Completion Equipment Rental				TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300	300.00		
Surface Completion Equipment Rental				TRUMPETER CAMP COMPANY PARTNERSHIP LTD		Q300	50.00		
Cumulative Job Flared Gas By Zone									
Zone				Volume Gas Total (E3m ³)					
Perforations									
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status				
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended				
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended				
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended				
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed				
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed				
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed				
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed				
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed				

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 26
 Report Date: 2/7/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 27

Report Date: 2/8/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080	

Job Information

Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02
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Objective

Abandon Cut and Cap

Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
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AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77
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AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 679,650.00
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Daily Operations

Report Start Date 2/8/2016 07:30	Report End Date 2/8/2016 19:30	Daily Cost Total (Cost) 31,966.00	Cumulative Cost (Cost) 993,838.40	Personnel Regular Hours (hr) 158.00
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Daily Contacts

WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Short, 403-348-7127

Tubing Pressure (kPa) 0	Casing Pressure (kPa) 0	Weather overcast	Temperature (°C) -26	Lease Condition Snow covered
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Last 24hr Summary

Conduct 2.0m³ Acid wash / squeeze job as per program, Pull 60.3mm Tbg out of the hole in preparation to run retainer in the morning.

24hr Forecast

Run in hole mechanical set retainer and pressure test.

Perform cement squeeze.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P-T-X	Trbl Code	Operation
07:30	08:00	0.50	CEMENT	SFTY	P		Held pre-job safety and operations meeting with all services. Review CPC PJHA, pumping hazards/ Chemicals (acid) / slippery lease conditions and use of traction control/ overhead loads/ hammering/wrenching/trapped pressure/ ice plugs/cold weather operations/ pinch points on floor/high pressure lines. Review transportation plan and muster areas with all workers. All workers safety certificates checked.
08:00	08:30	0.50	CEMENT	RURD	P		Perform daily walk around inspections and checks. Inspect all equipment for leaks/spills, none found. Sweep for LEL's, no LEL's Check well pressures SITP- slight vac SICP- slight vac Surface casing- vent nanny installed. Warm equipment and install return line onto production casing valve. (tubing hanger landed) Spot SLB acid pumper/ tank truck and vac truck
08:30	10:30	2.00	CEMENT	RURD	P		Rig in SLB acid pumper and equipment, Install treating line through flameless heater hose to keep line warm while washing/squeezing acid. Transfer 1m³ raw synthetic acid onto acid pumper, blend acid in tubs with 1m³ - 24° fresh municipal water, blend up acid and push back onto tank truck. Transfer 2m³ fresh water, warm up equipment and prime pumps.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 27
 Report Date: 2/8/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation																																																								
10:30	15:00	4.50	CEMENT	CMNT	P		<p>Fill and pressure test treating line to 1.4 + 28 mPa. Break circulation to rig tank with Fresh Water. Switch to acid and circulate 2m³ 15% Synthetic acid blend down tbg followed by 0.9m³ Fresh water placing acid across the perfs @ 1265.0 - 1269.0mKB.</p> <p>Conduct 9 x 100L Acid Washes - 10min soaks with following results:</p> <table> <thead> <tr> <th>Wash</th> <th>Time</th> <th>Start Pressure (kPa)</th> <th>End Pressure (kPa)</th> </tr> </thead> <tbody> <tr><td>1</td><td>11:21</td><td>5021</td><td>4791</td></tr> <tr><td>2</td><td>11:37</td><td>5391</td><td>5328</td></tr> <tr><td>3</td><td>11:49</td><td>5296</td><td>5296</td></tr> <tr><td>4</td><td>12:03</td><td>5485</td><td>5485</td></tr> <tr><td>5</td><td>12:15</td><td>5454</td><td>5454</td></tr> <tr><td>6</td><td>12:32</td><td>6369</td><td>6243</td></tr> <tr><td>7</td><td>12:45</td><td>7253</td><td>6843</td></tr> <tr><td>8</td><td>12:59</td><td>8073</td><td>7284</td></tr> <tr><td>9</td><td>13:12</td><td>8600</td><td>7127</td></tr> </tbody> </table> <p>Acid started to feed at 8600kPa. Displace remainder of acid into perforations increasing rate up to 200L/min @ 8760kPa Over displace acid down tubing with 5m³ fresh water. Perform feed rate while over displacing as follows:</p> <table> <thead> <tr> <th>Rate(LPM)</th> <th>Pressure(kPa)</th> </tr> </thead> <tbody> <tr><td>25</td><td>7284</td></tr> <tr><td>50</td><td>7442</td></tr> <tr><td>100</td><td>7750</td></tr> <tr><td>150</td><td>8050</td></tr> <tr><td>200</td><td>8358</td></tr> <tr><td>250</td><td>8700</td></tr> <tr><td>300</td><td>9100</td></tr> </tbody> </table> <p>ISIP - 7316 kPa ISIP (10min) - 7063 kPa</p> <p>Shut in tubing, drain SLB lines and equipment with vac truck. Rig out Acidizing equipment.</p> <p>Over displace acid place up casing from washes by 5m³ with fresh water using rig pump. Bleed off pressure to rig tank and monitor well. Prepare to pull 60.3mm tubing.</p>	Wash	Time	Start Pressure (kPa)	End Pressure (kPa)	1	11:21	5021	4791	2	11:37	5391	5328	3	11:49	5296	5296	4	12:03	5485	5485	5	12:15	5454	5454	6	12:32	6369	6243	7	12:45	7253	6843	8	12:59	8073	7284	9	13:12	8600	7127	Rate(LPM)	Pressure(kPa)	25	7284	50	7442	100	7750	150	8050	200	8358	250	8700	300	9100
Wash	Time	Start Pressure (kPa)	End Pressure (kPa)																																																												
1	11:21	5021	4791																																																												
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150	8050																																																														
200	8358																																																														
250	8700																																																														
300	9100																																																														
15:00	16:00	1.00	CEMENT	TRIP	P		Well bleeding off up tubing and casing due to being charged up from feed rate/squeeze. Suck back on both tubing and casing until dead.																																																								
16:00	17:00	1.00	CEMENT	TRIP	P		Pull and lay down tubing hanger. Pull out of hole and stand 60.3mm tubing																																																								
17:00	17:30	0.50	CEMENT	TRIP	T	Rig	Tong hydraulic hose had pin hole leak. Noticed immediately and shut down to repair. No loss off hydraulic oil.																																																								
17:30	19:00	1.50	CEMENT	TRIP	P		Continue to pull and stand 60.3mm tubing in derrick. 133 joints total in derrick.																																																								
19:00	19:30	0.50	CEMENT	SISW	P		Shut in and secure well. Drain and winterize equipment.																																																								
Report Fluids 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	11.50		0.00		14.60	2.50	71.46																																																								
Daily Costs																																																															
BU Desc			Vendor			Activity Code	Amount (Cost)																																																								
Service Rig			C&J ENERGY PRODUCTION SERVICES CANADA LTD			E120	20,000.00																																																								
Completion Fluids & Other Chem			CANOL OILFIELD SERVICES INC			G300	1,900.00																																																								
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	280.00																																																								
Wellsite Supervision & Engineering			MINAULT ENERGY SERVICES LTD			T130	1,620.00																																																								
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD			Q300	125.00																																																								
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD			Q300	200.00																																																								
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD			Q300	325.00																																																								
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD			Q300	185.00																																																								



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 27
Report Date: 2/8/2016
Final Job Status: ABANDONED
Final Report? Yes

Daily Costs			
BU Desc	Vendor	Activity Code	Amount (Cost)
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	75.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	75.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	75.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,269.50
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,205.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,291.50
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 28

Report Date: 2/9/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 2/9/2016 07:30	Report End Date 2/9/2016 19:30	Daily Cost Total (Cost) 117,950.64	Cumulative Cost (Cost) 1,111,789.04	Personnel Regular Hours (hr) 189.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Short, 403-348-7127							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 0 clear	Temperature (°C)	Lease Condition -24 Snow covered			
Last 24hr Summary Run in hole mechanical set retainer on 60.3mm tubing. Set retainer top @ 1257.36mKB Perform 1m ³ 1680kg/m squeezeCRETE and 5m ³ 1900kg/m G cement squeeze. Sting out and backwash tubing. Pull up 10 joints of tubing.							
24hr Forecast Circulate well over to fresh municipal water. Pull out of hole and lay down tubing. Begin rigging out equipment.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P-T-X	Trbl Code	Operation
07:30	08:00	0.50	CEMENT	SFTY	P		Held pre-job safety and operations meeting with all services. Review CPC PJHA, tripping tubing hazards / slippery lease conditions and use of traction control/ overhead loads/ hammering/wrenching/trapped pressure/ ice plugs/cold weather operations/ pinch points on floor/high pressure lines. Review transportation plan and muster areas with all workers. All workers safety certificates checked.
08:00	08:45	0.75	CEMENT	TRIP	P		Perform daily walk around inspections and checks. Inspect all equipment for leaks/spills, none found. Sweep for LEL's, no LEL's Check well pressures SICP- 0 Surface casing- vent nanny installed. Warm equipment and install kill line onto kill spool valve
08:45	13:00	4.25	CEMENT	TRIP	P		Make up and run in hole Smith mechanical set cement retainer for 7" casing and 60.3mm tubing as follows: 1- cement retainer c/w snap latch stinger 1-3.09m x 60.3mm pup joint 130 joints of 60.3mm tubing 1- 1.88m x 60.3mm pup joint 1- joint 60.3mm tubing Set cement retainer top @ 1257.36mKB. Shear pin and pull into neutral to pressure test. Pressure test retainer down casing to 21MPa for 10 min, test good. Monitored tubing while testing (good) Set 2000daN compression on retainer. Rig on pump line to tubing and pressure test to 10MPa for 10 min, test good. Monitored casing while testing (good) Bleed off pressure to rig tank.
13:00	13:30	0.50	CEMENT	CMNT	P		Rig on SLB pump line to tubing. Line ran through flameless heater hose to keep warm. Tarp in tubing stump to keep warm. Set 8000daN compression on retainer for cement job. Close pipe rams, monitor casing through production casing valve during cementing operations.
13:30	14:00	0.50	CEMENT	SFTY	P		Review CPC PJHA, discuss cementing operation hazards, high pressure lines/chemicals/cement dust/ice plugs/trapped pressure.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 28
 Report Date: 2/9/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation		
14:00	17:45	3.75	CEMENT	CMNT	P		<p>Fill and pressure test SLB line to 1.4 and 28MPa, tests good.</p> <p>Open well and pump 5.1m³ fresh water to cool wellbore prior to cementing. Pumping 300L/min @ 9100kPa.</p> <p>Start cement squeeze on perforations 1265.0-1269.0mKB. Retainer top @ 1257.36mKB</p> <p>14:58 -Blend 1m³ 1680kg/m SqueezeCRETE cement</p> <p>15:17- Pump 1m³ SqueezeCRETE start pressure 7063kPa / 15:25 -End pressure with 1m³ Cement in tubing 5264kPa</p> <p>Mix 1900kg/m G cement (mixed on the fly in tubs) 5m³ total of 1900kg/m G cement was blended.</p> <p>15:33- Begin pumping 1900kg/m G cement. With cement at retainer, well feeding @ 250L/min. (SLBTriplex pump not kicked in)</p> <p>Feed rate slowly started to decrease when started displacing cement with fresh water.</p> <p>16:07- With 780L of water displaced behind cement in tubing well stopped feeding.</p> <p>Kick in triplex pump and start Squeeze 500L of cement 20L/min @ 700kPa</p> <p>Decrease rate to 10L/min. Squeeze 280L of cement 10L/min @ 650kPa</p> <p>Increase rate to 20L/min. Squeeze 170L of cement 20L/min @ 625kPa</p> <p>17:08- Stop pump- lost prime, re-circulate tank to regain prime</p> <p>17:10- Continue to squeeze. Increase rate to 25L/min. Starting to see increase in pressure.</p> <p>Squeezed 260L cement 25L/min @ 3300kPa</p> <p>17:23- Decrease rate to 10L/min. Squeeze 210L of cement @ 10L/min @ 3200-4200kPa</p> <p>17:43- Final squeeze pressure 3245kPa</p> <p>5.6m³ cement under retainer</p>		
17:45	19:15	1.50	CEMENT	CMNT	P		<p>String out of retainer.</p> <p>Rig off SLB pump line. Tubing on vac, casing open and returning fluid to rig tank, indicating cement dropping out of tubing.</p> <p>leaving 17m (340L) of cement on top to cap retainer.</p> <p>Slowly pull and lay down 7 joints of tubing. EOT@ 1190.7mKB</p> <p>Backwash tubing with fresh water until clean with SLB pumper. Returned 260L of slurry back to rig tank, recovered by vac truck and offloaded into cement bin.</p> <p>Rig off SLB cementing equipment. Suck out and clean up unit with vac truck.</p>		
19:15	20:00	0.75	CEMENT	TRIP	P		<p>Pull and lay down 10 joints of tubing.</p> <p>Land tubing hanger and secure well.</p> <p>Drain and winterize equipment.</p>		
Report Fluids 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	12.00		0.00		9.10		0.00 80.56		
Daily Costs									
BU Desc			Vendor			Activity Code	Amount (Cost)		
Service Rig			C&J ENERGY PRODUCTION SERVICES CANADA LTD			E120	13,261.00		
Completion Fluids & Other Chem			CANOL OILFIELD SERVICES INC			G300	2,290.00		
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	280.00		
Completion Fluids & Other Chem			HRN CONTRACTING LTD			G300	1,900.00		
Completion Fluids & Other Chem			IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION			G300	3,960.00		
Wellsite Supervision & Engineering			MKH SHORT CONSULTING LTD			T130	1,620.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD			Q300	125.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD			Q300	200.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD			Q300	325.00		
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	75.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD			Q300	75.00		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD			Q300	75.00		
Completion Fluids & Other Chem			PBN ENERGY SERVICES LTD			G300	1,224.50		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD			Q300	1,205.00		

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 28
 Report Date: 2/9/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,845.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Cementing Services & Materials	SCHLUMBERGER CANADA LIMITED	J200	80,004.94
Cementing Services & Materials	SCHLUMBERGER CANADA LIMITED	J200	2,915.00
Downhole Completion Equipment	SCHLUMBERGER CANADA LIMITED	C100	4,020.20
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	660.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 29

Report Date: 2/10/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 2/10/2016 07:30	Report End Date 2/10/2016 19:30	Daily Cost Total (Cost) 24,841.40	Cumulative Cost (Cost) 1,136,630.44	Personnel Regular Hours (hr) 124.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Short, 403-348-7127							
Tubing Pressure (kPa) 0	Casing Pressure (kPa) 0	Weather overcast	Temperature (°C) -20	Lease Condition Snow covered			
Last 24hr Summary Run in hole to 1190.7mKB. Circulate well over to clean potable water containing <4000mg/L TDS. Pull out of hole and lay down tubing. Fluid level calculated at 61m. Remove bop's and install 7-1/16 x 10k master valve with 2-1/16 master valve on top.							
24hr Forecast Lay over mast. Rig out rig and equipment.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:00	0.50	RPEQPT	SFTY	P		Held pre-job safety and operations meeting with all services. Review CPC PJHA, Circulating hazards/ tripping tubing hazards / slippery lease conditions and use of traction control/ overhead loads/ hammering/wrenching/trapped pressure/ ice plugs/cold weather operations/ pinch points on floor/high pressure lines. Review transportation plan and muster areas with all workers. All workers safety certificates checked.
08:00	08:45	0.75	RPEQPT	CIRC	P		Perform daily walk around inspections and checks. Inspect all equipment for leaks/spills, none found. Sweep for LEL's, no LEL's Check well pressures SICP- 0 SICP- 0 Surface casing- vent nanny installed. Warm equipment and install kill line onto kill spool valve.
08:45	09:45	1.00	RPEQPT	CIRC	P		Run in hole 10 joints of 60.3mm tubing down to to circulate well over to clean potable water containing<4000mg/L TDS. End of tubing at 1190.7mKB (backwash depth)
09:45	13:00	3.25	RPEQPT	CIRC	P		Pre-heat and rig on circulating equipment to production casing valve and tubing. 10:30- Pressure test cement/retainer and casing to 7MPa for 10min using potable water. Pressured up immediately, did not take any fluid to fill. Pressure test was solid, no pressure loss in 10 min, test good. 10:45- Begin reverse circulating well over to clean, (35°C) potable water containing <4000mg/L TDS. Check returns at rig tank, clean water returning after 23m ³ clean, potable water pumped. Pumped a total of 26m ³ to ensure fully cleaned up. 12:00- Pressure up tubing with rig air and suck back on casing to push fluid around and lower fluid level. 160L recovered. 12:15- Rig pump line off tubing. Blow out lines with steam to avoid freezing. 12:30- Ready to pull and lay down tubing.
13:00	15:30	2.50	RPEQPT	TRIP	P		13:00- Pull out of hole and lay down 124 joints of 60.3mm / 6.99kg/m J-55 tubing, setting tool and snap latch stinger. Protectors installed on tubing joints. 15:00- out of hole with tubing, setting tool and stinger. Inspect tools- all seals in place and look ok. Some cement on setting tool, stinger and last 3 joints out of well. (1-2mm) Fluid level at 61m.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 29
 Report Date: 2/10/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
15:30	17:00	1.50	RPCOMP	RURD	P		Install and secure tubing hanger c/w landing pup and safety valve Rig out tongs and handling equipment from rig floor. Rig down egress stairs and V-door. Rig out work floor. Raise up and chain back to be able to install 7-1/16 10k master valve onto well.
17:00	19:30	2.50	RPCOMP	BOPE	P		Strip off BOPs and secure on test stump stand. Strip on and secure 7-1/16 x 10k master valve. Pull out tubing hanger c/w safety valve and landing pup. Install and secure 7 1/16"-10K x 2 1/16" gate valve on top of 7 1/16" master valve. Install tapped plug w/needle valve on top of upper master.
19:30	20:00	0.50	RPCOMP	SISW	P		Secure equipment for night. Boiler hand on location to supply heat to equipment.

Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER			26.00	26.00	80.56

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	12,883.50
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,900.00
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	280.00
Wellsite Supervision & Engineering	MKH SHORT CONSULTING LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	185.00
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
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,906.30
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,205.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Downhole Completion Equipment	SCHLUMBERGER CANADA LIMITED	C100	1,926.60
Surface Completion Equipment Rental	STRAD OILFIELD RENTALS	Q300	680.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 29
 Report Date: 2/10/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 30

Report Date: 2/11/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579
Surface Legal Location O-6 65-10 127-00		API / UWI 300/O06 65-10 127-00/0		License No. EL 470 WID 2080	

Job Information

Job Category	Primary Job Type	Secondary Job Type	Total Field Estimate (Cost)
ABANDONMENT	ABANDONMENT P&A	SURFACE CASING VENT	1,784,359.02

Objective

Abandon Cut and Cap

Actual Start Date	End Date	Abandon Date (C&C)	Responsible Grp 1	Responsible Grp 2	Responsible Grp 3
1/13/2016 00:00	3/13/2016 17:00		coved	Iborbel	Justin Minault

AFE / RFE / Maint.#	Total AFE Amount (Cost)	Total AFE + Supp Amount (Cost)	Total Field Estimate (Cost)	AFE-Field Estimate (Cost)
10385947	1,520,000.00	1,520,000.00	1,783,177.77	-263,177.77
AFE / RFE / Maint.#	Total AFE Amount (Cost)	Total AFE + Supp Amount (Cost)	Total Field Estimate (Cost)	AFE-Field Estimate (Cost)
10295945	670,650.00	670,650.00	670,650.00	670,650.00

10385945

Daily Operations

Daily Operations				
Report Start Date	Report End Date	Daily Cost Total (Cost)	Cumulative Cost (Cost)	Personnel Regular Hours (hr)
2/11/2016 07:30	2/11/2016 19:30	32,021.95	1,168,652.39	114.00

Daily Contacts

WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Short, 403-348-7127

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather	Temperature (°C)	Lease Condition
0	0	overcast	-15	Snow covered

Last 24hr Summary

Rig out service rig and auxillary equipment. Cleaned rig tank. Heat wellhead and vent meter.

24hr Forecast

Move service rig and equipment to P-20 location. Ensure lease is cleaned up after equipment moved off. Continue to supply heat to wellhead and vent meter with flameless heater.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:30	1.00	RPCOMP	WAIT	P		High winds caused unpassable snow drift at security gate down to river. Waited for loader to clear path for vehicles to pass. Follow loader to location, clearing path for traffic on way.
08:30	09:00	0.50	RPCOMP	SFTY	P		Held pre-job safety and operations meeting with all services. Review CPC PJHA, Rig out hazards/ lay over derrick / slippery lease conditions and use of traction control/ overhead loads/ hammering/wrenching/cold weather operations/ heavy lifting/weather conditions/driving. Review transportation plan and muster areas with all workers. All workers safety certificates checked.
09:00	10:00	1.00	RPCOMP	RURD	T	Rig	Boiler return line froze when arrived on shift. Break apart and change out return line to be able to continue heating fluid to be transferred to disposal later today.
10:00	15:00	5.00	RPCOMP	RURD	P		Begin rigging out service rig and equipment. Rig out auxillary equipment first, wait for wind to die down to lay over mast. Rig out accumulator lines/ pump lines/misc equipment. Transfer clean useable fluid from rig tank into 400bbl tank for later use. Winterize all valves on wellhead. Chain and lock wellhead. (Combo 6127). Tubing hanger left attached to wellhead. Shovel off trailer to be able to load tubing in morning. Tarp in wellhead and continue to heat wellhead and vent meter with flameless heater. 12:30- Vac truck and steamer on site to clean out non useable fluid and sludge from rig tank. Review CPC PJHA with workers. Discuss cleaning out rig tank hazards/ using high pressure wash wand/ noise levels from vac truck/ proper grounding,bonding/ open tank/ trip hazards/spotters. Begin cleaning out rig tank.
15:00	19:30	4.50	RPCOMP	RURD	P		Perform mast inspection and lay over derrick. Rig out rig and equipment. Rig out boiler lines and liner under boiler lines. 18:00- finished cleaning out rig tank. Some set up cement left in corners of back compartment to be cleaned at later date. Suck fluid out of cement bin so that only solids left. Vac truck hauling out 18m ³ of dirty water/cement solids from rig tank to Tervita Sierra for disposal. Boiler hand on location. Cool down boilers for transport in moring.

Report Fluids 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	18.00			80.56

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	12,000.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,018.75
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	3,908.00
Surface Completion Equipment Rental	CENTRAL MACKENZIE ENVIRONMENTAL LTD	Q300	40.00
Surface Completion Equipment Rental	CENTRAL MACKENZIE ENVIRONMENTAL LTD	Q300	60.00

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 30
 Report Date: 2/11/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	280.00
Completion Fluids & Other Chem	IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION	G300	3,063.60
Wellsite Supervision & Engineering	MKH SHORT CONSULTING LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	185.00
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
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,476.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,205.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	510.60
Completion Fluids & Other Chem	TERVITA CORP	G300	2,500.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 31

Report Date: 2/12/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00		API / UWI 300/O06 65-10 127-00/0		License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT		Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 2/12/2016 07:30	Report End Date 2/12/2016 19:30	Daily Cost Total (Cost) 5,130.50	Cumulative Cost (Cost) 1,173,782.89	Personnel Regular Hours (hr) 106.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Short, 403-348-7127					Rig		
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather clear	Temperature (°C)	-18	Lease Condition Snow covered		
Last 24hr Summary Move service rig/ equipment and fluids to P-20 location.							
24hr Forecast Move off 2-400BBL tanks and tool skid. Ensure lease clean.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P- T-X	Trbl Code	Operation
07:30	08:00	0.50	RPCOMP	SFTY	P		Held pre-job safety and operations meeting with all services. Review CPC PJHA, Load and move equipment hazards / slippery lease conditions and use of traction control/ overhead loads/ pinch and crush points/ hammering/wrenching/cold weather operations/ heavy lifting/driving. Review transportation plan and muster areas with all workers. All workers safety certificates checked.
08:00	18:00	10.00	RPCOMP	MOB	P		Perform daily walk around inspections and checks. Inspect all equipment for leaks/spills, none found. Sweep for LEL's, no LEL's Tank truck empty water from boilers. Install new seal on boiler water tank. Discuss with truck push, equipment to be hauled and order to be hauled out. Truck push to oversee operations while WSS on P-20 location for move. Begin loading out equipment to P-20 location. 2 x boilers Rig tank Rig doghouse Service rig mob to location. 50/50wellsite shack Generator for wellsit shack 8 x 40 rig matting Rig pump Picker working on location to load 180 joints of 60.3mm tubing onto pipe trailer to be hauled to CPC yard Norman Wells Picker picked 2 x 400bbl tanks out of containment. 1 tank unused will be laid down and racked on location for later use on water well. Tank truck transfer potable water to P-20 for boilers. Lake water transferred to rig tank on P-20 2- service rig hands on location to ensure all needed equipment moved and lease is clean after equipment moved off location. 1- Light tower and 1- flameless heater left on location to supply heat to wellhead and vent meter. 2 x 400BBL tanks and Tool skid to be moved in morning.
Report Fluids Summary							
Fluid	To lease (m³)		From lease (m³)	To well (m³)		From well (m³)	Left to recover (m³)
FRESH WATER	0.00		55.80				80.56

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 31
 Report Date: 2/12/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,290.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	280.00
Wellsite Supervision & Engineering	MKH SHORT CONSULTING LTD	T130	1,620.00
Rig Camp	PBN ENERGY SERVICES LTD	E500	925.50
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 32
 Report Date: 2/13/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 2/13/2016 07:30	Report End Date 2/13/2016 11:00	Daily Cost Total (Cost) 2,215.00	Cumulative Cost (Cost) 1,175,997.89	Personnel Regular Hours (hr)			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714; WS Supervisor, Marty Dushanek, 403-358-8911							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather overcast	Temperature (°C)	-16	Lease Condition Snow covered		
Last 24hr Summary Move off remaining equipment on lease.							
24hr Forecast No operations on well at this time. Vent meter installed and monitoring surface casing. Flameless heater on location to heat wellhead and vent meter.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P-T-X	Trbl Code	Operation
07:30	08:00	0.50	RPCOMP	SFTY	P		Held pre-job safety meeting with Canol truck push and drivers for moving equipment. Discuss using spotters/ pinch and crush points/ driving/ inspecting lifting equipment. All workers safety certificates checked and valid. Perform walk around inspection. Check equipment for leaks/spills, none found.
08:00	11:00	3.00	RPCOMP	RURD	P		Load and haul out 2 x 400bbl tanks/ tool skid/ C&J C-can. Re-position flameless heater to heat wellhead and ventmeter. Install cones under heater line to avoid thawing ground. Perfom post lease inspection to ensure no garbage or staining (good).
Report Fluids 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	80.56		
Daily Costs							
BU Desc	Vendor			Activity Code	Amount (Cost)		
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC			P100	990.00		
Surface Completion Equipment Rental	HRN CONTRACTING LTD			Q300	0.00		
Surface Completion Equipment Rental	HRN CONTRACTING LTD			Q300	1,225.00		
Cumulative Job Flared Gas By Zone							
Zone	Volume Gas Total (E3m³)						
Perforations							
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status		
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended		
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended		
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended		
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed		
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed		
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed		
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed		
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed		
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed		
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed		
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed		
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed		
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed		
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed		

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 32

Report Date: 2/13/2016

Final Job Status: ABANDONED

Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 33
 Report Date: 2/29/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579												
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080													
Job Information																	
Job Category ABANDONMENT		Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02												
Objective Abandon Cut and Cap																	
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault												
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77													
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00													
Daily Operations																	
Report Start Date 2/29/2016 18:00	Report End Date 3/1/2016 01:00	Daily Cost Total (Cost) 10,235.00	Cumulative Cost (Cost) 1,186,232.89	Personnel Regular Hours (hr) 50.00													
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Justin Minault, 403-391-0714; WS Supervisor, Marty Dushanek, 403-358-8911																	
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Cloud	Temperature (°C)	-25	Lease Condition Snow covered												
Last 24hr Summary Spot & Rig in Light Towers + Spot & Rig in Free Standing C&J Service Rig # 414. Re-Tarped Wellhead + Continued to Heat Wellhead & Vent Nanny with Jet Heater.																	
24hr Forecast MIRU Service Rig Equipment, Haul in Fluid, Install & P Test BOPs, Haul in TBG, MIRU E-Line, Perforate Squeeze Interval, RIH TBG, be ready for Cement Job.																	
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P-T-X												
18:00	18:30	0.50	WELLPR	MOB	P												
18:30	21:30	3.00	WELLPR	WAIT	P												
21:30	22:00	0.50	WELLPR	SFTY	P												
22:00	00:54	2.90	WELLPR	RURD	P												
00:54	01:00	0.10	WELLPR	SISW	P												
Report Fluids Summary <table border="1"> <thead> <tr> <th>Fluid</th><th>To lease (m³)</th><th>From lease (m³)</th><th>To well (m³)</th><th>From well (m³)</th><th>Left to recover (m³)</th></tr> </thead> <tbody> <tr> <td>FRESH WATER</td><td>0.00</td><td>0.00</td><td>0.00</td><td>0.00</td><td>80.56</td></tr> </tbody> </table>						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	80.56
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	80.56												
Daily Costs																	
BU Desc			Vendor		Activity Code												
Surface Completion Equipment Rental			BP PUMP LTD		Q300												
Surface Completion Equipment Rental			BP PUMP LTD		Q300												
Completion Fluids & Other Chem			CANOL OILFIELD SERVICES INC		G300												
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100												
Surface Completion Equipment Rental			HRN CONTRACTING LTD		Q300												
Surface Completion Equipment Rental			HRN CONTRACTING LTD		Q300												
Completion Fluids & Other Chem			HRN CONTRACTING LTD		G300												
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300												
Cumulative Job Flared Gas By Zone																	
Zone	Volume Gas Total (E3m³)																

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 33
 Report Date: 2/29/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
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3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 34

Report Date: 3/1/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/1/2016 09:00	Report End Date 3/2/2016 06:00	Daily Cost Total (Cost) 51,927.70	Cumulative Cost (Cost) 1,238,160.59	Personnel Regular Hours (hr) 244.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; WS Supervisor, Marty Dushanek, 403-358-8911; Abandonment Engineer, Louis Borbely, 403-650-3939							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 0 Clear	Temperature (°C)	Lease Condition -17 Snow covered			
Last 24hr Summary MIRU Service Rig & Equipment, MIRU E-Line, RIH Gauge Ring/GR/CCL to 1,010 mKB, Pulled GR/CCL Log from 1,010 mKB to Surface, RIH & Set Cement Retainer ce @ 960.0 mKB, Rigged out E-Line, Finished Stump Testing Class III BOP Stack.							
24hr Forecast Remove Gate Valve, Install & P Test BOPs, P Test Cement Retainer, Rig in E-Line, Perf Squeeze Interval as per Program, Feedrate, RIH TBG, Acid Squeeze.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P-T-X	Trbl Code	Operation
09:00	09:30	0.50	WELLPR	SFTY	P		Hold Pre-Spot + rig in safety meeting with all personnel, document and discuss all hazards associated with spotting and rigging in equipment, Working with steam and multiple services.
09:30	13:30	4.00	WELLPR	MOB	P		<ul style="list-style-type: none"> - Conduct walk-around inspection, measure off location to ensure adequate spacing to spot equipment within regulations, No Spills or leaks identified on location. - C&J Service Rig #414 rigged in the night before. - Check well pressures = SICP - 0 kPa / SCV - Vent Nanny currently tied in reading and recording flow rates / pressures. - Trucks started arriving with loads. - Unload and spot the following equipment: <ul style="list-style-type: none"> - Septic tank - well site shack - Gen-Set - Doghouse - 2x Boilers - Rig Tank + pump - Clean 400bbl for potable water - Catwalk and pipe racks - Medic Office Trailer. - 4x Light Towers
13:30	16:30	3.00	WELLPR	RURD	P		<ul style="list-style-type: none"> - Run and rig in ground cables to all equipment as per CPC policy. - Rig in boiler and apply heat to bop's / wellhead and fluids. - Rig in pump and tank - Place Bop's near wellhead, tarp in and apply heat. - Run accumulator lines, connect to bop's and conduct accumulator / function test.
16:30	19:30	3.00	WELLPR	BOPE	P		<ul style="list-style-type: none"> - Set up catwalk and pipe racks, unload 220 jts of 60.3mm tbgs. - pre-heat pump and lines - Pressure test pump line to 1.4 + 34.5 mPa - fill lines and bop's - Stump test Class III 5K Bop's as follows: - Blind rams c/w back up safety valve to 1.4 + 34.5 mPa for 10min each test - good test.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 34
 Report Date: 3/1/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
19:30	20:00	0.50	WELLPR	SFTY	P		Held PJHA Meeting with All Hands. (11 Total) Discussed Days Objectives, Procedures & Potential Hazards. Discussed LSR's # 1, # 3, # 4 + # 8. Discussed Pressure Testing BOPs, Removing Wellhead + Gate Valve, Installing & Pressure Testing BOPs, Rigging in Rig Floor + TBG Handling Equipment, MIRU E-Line, Tarp in & Wrap Lub with Steam Hoses, Begin Warming Lub ASAP, Installing E-Line Flange c/w E-Line BOPs, RIH Gauge Ring GR/CCL Tools, Pressure Testing Lub, RIH Gauge Ring to 1,000 mKB, Pull GR/CCL Log to Surface, RIH & Set Cement Retainer ce @ +/- 960 mKB, Pressure Test Retainer to 7,000 kPa, Perforate 936.0 - 938.0 mKB Twice with Reverse Phased Switch Guns, RO&R E-Line, Attempt Feedrate (Max Pressure = 7,000 kPa), Heat Water Tank to 28° C (Max), Tally TBG, RIH 60.3mm TBG, Space out for +/- 953 mKB & Land TBG Hanger, Installing Lag Screws. Discussed Hazards: Pressure Testing > Safety Slings > Stand Clear > Red Zone, Overhead Loads/Swing Paths > Red Zone > Inspect Lifting Gear > Stand Clear > Tag Lines, E-Line Sheaves, Footing, Zero Spillage, Wheel Chocks, Good Communication + Safe Drive to Camp > Use Road Radio > Pay Attention. Discussed Emergency Numbers, Transportation Plan, MTU + Paramedic. <> MUSTER AREA AT DOGHOUSE. <> <> Ensured All Hands had Conoco Orientation + Valid Oilfield Tickets. <>
20:00	00:00	4.00	WELLPR	BOPE	P		Continued to Pressure Test BOP Stack. Pipe Rams + Stabbing Valve: Low 1,400 kPa + High 34,000 kPa. <> Held & Recorded Both Pressure Tests for 10 mins on Smart Gauge. High Pressure Test; Pressure Drop of 1,700 kPa in 10 mins. (Good Test) Attempted to Pressure Test Annular to 7,000 kPa. <> Could Not get a Good Pressure Test on Annular.
00:00	02:00	2.00	RPEQPT	ELOG	P		<> Held Tailgate Safety Meeting with All Hands. Removed Wellhead from Above 69K x 179mm Gate Valve. Tightened up 179mm Gate Valve. MIRU E-Line. Installed 179mm x 69K X 179mm x 35K X-Over Flange Above Gate Valve. Installed 179mm x 35K Wireline Flange c/w 179mm E-Line BOPs. Installed BX-152 Flange off CSG Valve. Wrapped Steam Hoses & Tarpred in 179mm E-Line Lubricator. Applied Heat and began warming Lubricator.
02:00	06:00	4.00	RPEQPT	ELOG	P		<> Held PJHA Meeting with all Hands. Made up & RIH with 149mm Gauge Ring c/w GR/CCL. RIH with Gauge Ring to 1,010 mKB. Pulled GR/CCL Log from 1,010 meters to Surface. Correlated to Schlumberger's CBL Log Dated Feb 26, 2013. Made up & RIH 178mm Schlumberger Cement Retainer. Correlated on Depth to Previously Pulled GR/CCL Log. Set Cement Retainer ce @ 960.0 mKB. POH. Rigged out E-Line Lubricator + Flange. <> During E-Line Operations, Traveled to N-20 & picked up 2 x BX-152 Flanges for CSG Valve + Picked up another Smart Pressure Gauge. <> Re-Pressure Tested Annular, Finally got a Good P Test to 7,000 kPa. (Had to Fill the Stabbing Valve + Pup Jt with Water)

Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	19.45	0.00			80.56

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	22,972.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,485.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,900.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,950.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	860.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,200.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	3,650.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,570.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,050.00
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
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 34
 Report Date: 3/1/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,405.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	2,671.20
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,269.50
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	325.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	185.00
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	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 35

Report Date: 3/2/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/2/2016 06:00	Report End Date 3/3/2016 06:00	Daily Cost Total (Cost) 62,777.47	Cumulative Cost (Cost) 1,300,938.06	Personnel Regular Hours (hr) 148.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; WS Supervisor, Marty Dushanek, 403-358-8911; Abandonment Engineer, Louis Borbely, 403-650-3939							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 0	Temperature (°C)	Lease Condition -14	Snow covered		
Last 24hr Summary Removed Gate Valve, Installed Class III BOP Stack, Rigged in Rig Floor, P Tested BOPs, P Tested Cement Retainer to 7,000 kPa, RIH E-line - perforate 936.0 - 938.0 mKB interval as per program, attempt to establish feed rate - 7.0 mPa, no feed rate, no leak off, RIH 60.3mm TBG, Tagged Retainer, Spaced out & Landed TBG Hanger with EOT @ 954.73 mKB, Installed Lock Downs, Drained up, Boilerman on duty through the night.							
24hr Forecast MIRU Pressure Truck, Perform Acid Job as per Program.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
06:00	07:30	1.50	WELLPR	BOPE	P		Removed X-Over Flange + 179mm Gate Valve. Installed X-Over Flange + Class III BOP Stack. Rigged in Rig Floor + TBG Handling Equipment. Pre-Heated Pump Line. > CREW CHANGE. <
07:30	08:00	0.50	WELLPR	SFTY	P		Hold Pre-job safety meeting with all day personnel, document and discuss all hazards associated with pressure testing, rigging in/out Wireline, arming explosive's, and multiple services. Review PJHA, JSA's, and IWTP. Check all personnel's tickets and CPC orientation cards - all valid.
08:00	09:45	1.75	WELLPR	BOPE	P		<ul style="list-style-type: none"> - Conduct walk around inspection on all equipment, no spills or leaks identified. - Finish tightening down 7 1/16 5K x 10K DSA and Bop's. - Rig in pump line, pre-heat line and prime pump. - Pressure test ring seal on DSA + Bop flanges to 1.4 + 34.5 mPa for 10min each test - good test. - Bleed off and drain bop stack and line. - Back out lag screws and strip out tbg hanger. - Close and lock blind rams, fill casing with 1.0m³ fresh water and pressure test 7" PCR cement retainer to 7.0 mPa for 10min - good test. - Bleed off applied pressure and prep to rig in wireline.
09:45	12:00	2.25	CEMENT	ELOG	P		<ul style="list-style-type: none"> - Install Wireline 7 1/16" - 5K flange c/w Bowen union adapter and Bop's. - Hang sheaves and line, pick up lubricator and make up tool string. - With guns made up and ready to arm hold tailgate meeting with all personnel regarding arming explosives. - Conduct sweep of lease to ensure all radio controlled devices turned off, clear the area and arm perforating guns. - Pick guns up into lubricator, stab on lubricator, fill and pressure test to 1.4 + 14.0 MPa - good test. - Bleed off applied pressure, open up well and RIH with tandem 2m x 127mm Owen SDP-4500-411NT3 39gm HMX charges @ 50° phasing (one standard, one reverse), 17.5 spm perforating guns. - Corolate on depth to Schlumberger cased hole Cement Bond Log dated February 26, 2013. - Gun #1 fired @ 11:21 Hrs / Gun #2 fired @ 11:29 Hrs. - Pull out of the hole with Wireline. - With perforating guns recovered to surface inspect and find all shots fired and centered in scallops. - Remove guns, stab lubricator back on in preparation to attempt feed rate.
12:00	12:30	0.50	CEMENT	OTHR	P		<ul style="list-style-type: none"> - Attempt to establish feed rate on perforated interval 936.0 - 938.0 mKB with the following results: - Pressure obtained immediately upon pumping indicating fluid level @ surface, pressure up to 7.0 mPa and monitor for 10min with 0 leak off. - Bleed off applied pressure, drain bop's and lines and prep to rig out wireline.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 35
 Report Date: 3/2/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
12:30	13:30	1.00	CEMENT	ELOG	P		- Lay down wireline lubricator and tool string. - Remove Bop's c/w adapter flange + studs. - Lower and rig out sheaves and lines. - Pick up power tongs onto rig floor and prep rig floor to run in the hole with 60.3mm J-55 tbg string.
13:30	14:00	0.50	RPEQPT	SFTY	P		Hold safety meeting with all personnel in regards to tripping in the hole with 60.3mm slick string, document and discuss hazards; rotating equipment, overhead loads, drifting tbg, pinch points, spills leaks (displacement), keeping mind on task.
14:00	18:30	4.50	RPEQPT	TRIP	P		RIH 103 Jts of 60.3mm J-55 slick string and tag top of Retainer @ 959.80mKB. Laid Down 1 Jt, Landed TBG Hanger + Install Lag Screws. EOT @ 954.73 mKB.
18:30	06:00	11.50	WELLPR	SISW	P		Drained Pump & Lines. Secured Well. >> Boilerman on Duty Heating Water + BOPs. << *** MIRU Pressure Truck & Perform Acid Job in AM. ***

Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	61.20	0.00	1.00	0.00	81.56

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	19,432.50
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,900.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,440.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,980.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	730.00
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
Completion Fluids & Other Chem	IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION	G300	3,752.00
Completion Fluids & Other Chem	IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION	G300	1,108.00
Electric Line Servs on Drilling Ops.	LONKAR SERVICES A/D/O SCHLUMBERGER CANAD...	K100	20,767.27
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,405.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,350.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	325.00
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	185.00
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	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Downhole Completion Equipment	SCHLUMBERGER CANADA LIMITED	C100	2,157.30
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	625.40
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	185.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 35

Report Date: 3/2/2016

Final Job Status: ABANDONED

Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 36

Report Date: 3/3/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/3/2016 06:00	Report End Date 3/4/2016 06:00	Daily Cost Total (Cost) 28,415.00	Cumulative Cost (Cost) 1,329,353.06	Personnel Regular Hours (hr) 159.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; WS Supervisor, Marty Dushanek, 403-358-8911; Abandonment Engineer, Louis Borbely, 403-650-3939							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 0	Temperature (°C)	Lease Condition -24	Snow covered		
Last 24hr Summary Performed Acid Wash & Squeeze; Completed 10 x 100 liters Acid Washes, No Leakoff during Acid Washes with 7,000 kPa Pressure, Achieved Breakdown @ 11,720 kPa, Established Feedrate @ 50 liters/min @ 11,376 kPa - Pumped 1.25 m ³ Potable Water, Increased Pump Rate to 75 liters/min - Pressure Steady @ 11,790 kPa, ISIP = 11,735 kPa, 5 min: SITP = 11,418 kPa, 15 min: SITP = 11,259 kPa, SWFN.							
24hr Forecast Perform Balance Plug Cement Squeeze.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
06:00	07:30	1.50	CEMENT	OTHR	P		Boilerman Heated BOPs + Fresh Water Tanks.
07:30	08:00	0.50	CEMENT	SFTY	P		Held PJHA Meeting with All Hands. (9 Total) Discussed Days Objectives, Procedures & Potential Hazards. Reviewed MSDS on Acid. Discussed Rigging in Pressure Truck. Discussed Acid Job, Spotting Acid, Pre-Heating Lines + Moving Jet Heater. Discussed Hazards; PPEs, LSRs, Emergency Numbers + Transportation Plan. <> MUSTER AREA # 1 AT MEDIC TRAILER. <> > Ensured All Hands had Conoco Orientation + Valid Oilfield Tickets. <
08:00	09:00	1.00	CEMENT	RURD	P		MIRU Clean Harbors Pressure Truck. Rigged Pressure Truck Treating Line through Jet Heater Hose to TBG. Rigged in Return Line off CSG to Rig Tank. Teed in Steam Lines.
09:00	10:08	1.14	CEMENT	CIRC	P		Transferred 0.50 m ³ Water to Pressure Truck. (added to the 1.5 m ³ Acid) Pre-Heated Return Line with Steam. Pressure Tested Treating Line to 30,000 kPa. Pressure Tested Return Line to 14,000 kPa. Forward Circulated 2.0 m ³ of Synthetic Acid holding 4,000 kPa Back Pressure. Shut in CSG. Transferred 3.0 m ³ Potable Fresh Water to Pressure Truck. Forward Circulated for another 0.25 m ³ Fresh Water holding 7,000 kPa Back Pressure.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 36
 Report Date: 3/3/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
10:08	17:00	6.86	CEMENT	CIRC	P		<p>Performed 10 x 100 liter Acid Washes Past the Squeeze Perfs from 936.0 - 938.0 mKB; with 7,000 kPa applied Treating Pressure and Held each Wash Stage for 15 minutes. Initial Acid Spotted Across Perfs at 10:08 Hrs. Performed the 10 Washes Past the Perfs; Did Not see any Leakoff.</p> <p>13:10 Hrs: Shut in CSG. <> Squeezed + Overflushed Acid in TBG by 5.0 m³ of Potable Water: > Brought Pump on @ 0.050 m³/min (50 liters). > Achieved Breakdown @ 11,720 kPa. > Established a Feedrate; Pumped @ 0.050 m³/min (50 liters) @ 11,376 kPa. Squeezed a Total of 1.25 m³ Potable Water with Treating Pressure stable @ 11,376 kPa. > Increased Pump Rate to 0.075 m³/min (75 liters); Pumped 3.75 m³ of Potable Water, Treating Pressure stayed steady @ 11,750 kPa. 14:44 Hrs: Shut down Pump; ISIP = 11,735 kPa. 14:49 Hrs (5 min): SITP = 11,418 kPa. 14:59 Hrs (15 min): SITP = 11,259 kPa. 15:00 Hrs: Shut in & Secured TBG. RO&R Pressure Truck.</p> <p>15:25 Hrs: Squeezed the 1.0 m³ of Wash Acid in Annulus + 5.0 m³ of Potable Water Overflush with Rig Pump @ 0.075 m³/min. 15:25 Hrs: Initial Squeeze Pressure = 11,548 kPa. 16:44 Hrs: Final Squeeze Pressure = 11,721 kPa. 16:45 Hrs: ISIP = 11,376 kPa. 16:50 Hrs (5 min): SICP = 11,376 kPa. 17:00 Hrs (15 min): SICP = 11,376 kPa. Shut in Well.</p>
17:00	18:00	1.00	CEMENT	SISW	P		<p>Drained Pump & Lines. Secured Well. Loaded 98 Jts of Extra 60.3mm TBG on Trailer. Switched out Pipe Racks.</p> <p>*** MIRU Schlumberger for Cement Job in AM. ***</p>
18:00	06:00	12.00	CEMENT	OTHR	P		>> Boilerman on Duty to Heat Water + BOPs through the Night. <<

Report Fluids 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	1.50	0.00	14.00	0.00	95.56

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	11,490.00
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	2,355.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,900.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,514.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,540.00
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
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,405.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,205.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,386.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	185.00
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	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	50.00

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 36

Report Date: 3/3/2016

Final Job Status: ABANDONED

Final Report? Yes

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)			
Perforations				
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 37
 Report Date: 3/4/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/4/2016 06:00	Report End Date 3/5/2016 06:00	Daily Cost Total (Cost) 81,382.00	Cumulative Cost (Cost) 1,410,735.06	Personnel Regular Hours (hr) 223.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Marty Dushanek, 403-358-8911; Abandonment Engineer, Louis Borbely, 403-650-3939							
Tubing Pressure (kPa)	Casing Pressure (kPa) 11,000	Weather Cloud	Temperature (°C)	-20	Lease Condition Snow covered		
Last 24hr Summary MIRU Cementers, Mixed and Spotted 4.12 m ³ Balanced Plug of 1,900 kgs/m ³ Class G Cement, POH TBG above Cement Top + Back Washed, POH 3 Jts, Landed TBG Hanger with EOT @ 712.75 mKB, Schlumberger Squeezed Cement 1.0 m ³ @ 50 l/min, 1.0 m ³ @ 25 l/min + 0.80 m ³ @ 15 l/min, Reached Max Pressure of 18,078 kPa, Squeezed 2.80 m ³ Total (worked cement for 3.5 Hrs), 10 min: SIP = 18,015 kPa, RO&R Cementers, Drained up, SWFN.							
24hr Forecast P Test Cement, Tag Cement Top, POH & Lay down TBG, MIRU E-Line, Pull GR/CCL/CBL Log (Plus 10,000 kPa Pressure Pass if Time Permits)							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
06:00	07:30	1.50	CEMENT	OTHR	P		Boilerman Heated BOPs, Vent Nanny, SCV + Fresh Water Tanks.
07:30	08:00	0.50	CEMENT	SFTY	P		Held PJHA Meeting with All Hands. (17 Total) Discussed Days Objectives, Procedures & Potential Hazards. Reviewed MSDS on Cement + Additives. Discussed Rigging in Equipment, Bleeding SIPs to Rig Tank, POH TBG Hanger + Rigging in Schlumberger, Discussed Cement Job, Spotting Cement, Pre-Heating Lines, Jet Heaters, POH, Landing TBG hanger, Installing Lag Screws and Back Washing. Squeezing Cement as per Calgary Instructions. Discussed Hazards; PPEs, LSRs, Emergency Numbers + Transportation Plan. <> MUSTER AREA # 1 AT MEDIC TRAILER. <> > Ensured All Hands had Conoco Orientation + Valid Oilfield Tickets. <
08:00	09:45	1.75	CEMENT	RURD	P		SITP + SICP = 11,000 kPa. Pre-Heated Pump Line to Rig Tank. Bled CSG to Zero. Rec'd 0.50 m ³ Water. POH with TBG Hanger. (EOT Landed @ 951.0 mKB) MIRU Schlumberger Cementers c/w Clean Harbors Tank Truck + HRN Vac Truck. Rigged in Schlumberger Treating Line to TBG through Jet Heater Hose.
09:45	10:00	0.25	CEMENT	SFTY	P		Held Pre-Job Safety Meeting with All Hands. Discussed Cement Job; Pressure Testing, Spotting Cement, Volumes, POH TBG, Back Washing, Vac Truck, Landing TBG Hanger + Max Pressure + Pump Rates.
10:00	11:45	1.75	CEMENT	CMNT	P		<> Pressure Test Treating Iron to 34,000 kPa. 10:14 Hrs: Began Mixing & Pumping 1,900 kgs/m ³ Class G Cement. <> Spotted 4.12 m ³ Balanced Plug of 1,900 kgs/m ³ Class G Cement c/w Additives from 951.0 - 745.0 mKB. 10:38 Hrs: POH with 25 Jts of 60.3mm TBG. (EOT @ 740.0 mKB) (Schlumberger Cleaned up Cement in Pumper to Vac Truck) 11:00 Hrs: Back Washed; Reverse Circulated for 5.0 m ³ . (Rec'd +/- 0.16 m ³ of Cement to Vac Truck) 11:25 Hrs: POH & Laid Down 3 Jts of 60.3mm TBG. 11:35 Hrs: Landed TBG Hanger + Installed Lag Screws. (EOT @ 712.75 mKB)

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
11:45	14:07	2.37	CEMENT	CMNT	P		<p>11:45 Hrs: Rigged in Schlumberger Pump Line to TBG.</p> <p>11:50 Hrs: P Tested Schlumberger Treating Iron to 34,000 kPa.</p> <p>11:54 Hrs: Began Squeezing Cement @ 50 liters/min @ 11,500 kPa.</p> <p>12:15 Hrs: Squeezed 1.0 m³ of Cement @ 50 liters/min.</p> <p style="margin-left: 20px;">-> Final Treating Pressure @ 50 liters/min = 12,745 kPa.</p> <p>12:15 Hrs: Decreased Pump Rate to 25 liters/min.</p> <p>12:57 Hrs: Squeezed another 1.0 m³ of Cement @ 25 liters/min.</p> <p style="margin-left: 20px;">-> Final Treating Pressure @ 25 liters/min = 14,291 kPa.</p> <p>12:57 Hrs: Decreased Pump Rate to 15 liters/min.</p> <p style="margin-left: 20px;">-> Squeezed another 0.80 m³ of Cement @ 15 liters/min.</p> <p>13:56 Hrs: Reached Maximum Pressure of 18,078 kPa. Shut Down Pump.</p> <p style="margin-left: 20px;">-> Squeezed a Total of 2.80 m³ of 1,900 kgs/m³ Class G Cement.</p> <p>14:06 Hrs: 10 min: SIP = 18,015 kPa.</p> <p>14:07 Hrs: Shut in Well.</p> <p style="margin-left: 20px;">-> ESTIMATED CEMENT TOP @ 894.0 mKB. <-></p>
14:07	15:42	1.58	CEMENT	RURD	P		<p>Removed & Rigged out Schlumberger Cementing Equipment.</p> <p>All Fluid went to Vac Truck. Vac Truck Cleaned up into Cement Bin in Containment.</p> <p>Drained Rig Pump & Lines. Tarped in TBG Stump.</p> <p>Heated TBG Stump, BOPs & Vent Nanny with Steam Heater + Jet Heaters.</p>
15:42	16:30	0.80	CEMENT	SISW	P		Rigged Crew Rigged in a Steam Coil in Cement Bin. Secured Well.
16:30	06:00	13.50	CEMENT	OTHR	P		Rig Manager, then Boilerman, Heated TBG Stump, BOPs, Vent Nanny, SCV, Cement Bin + Fresh Water Tanks through the Night with Steam Heater & Jet Heaters.

Report Fluids 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	15.00	0.00	7.00	0.00	102.56

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	11,223.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,900.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,810.00
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
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	75.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	75.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,053.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	2,961.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,055.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	705.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Cementing Services & Materials	SCHLUMBERGER CANADA LIMITED	J200	55,055.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	50.00

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m ³)

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 37
 Report Date: 3/4/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 38
Report Date: 3/5/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/5/2016 06:00	Report End Date 3/6/2016 06:00	Daily Cost Total (Cost) 51,264.00	Cumulative Cost (Cost) 1,461,999.06	Personnel Regular Hours (hr) 190.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Marty Dushanek, 403-358-8911; Abandonment Engineer, Louis Borbely, 403-650-3939							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 15,690	Temperature (°C)	-20	Lease Condition Snow covered		
Last 24hr Summary SIP's = 15,690 kPa, Bled Dead, P Tested 7,000 kPa, Solid 10 min P Test, RIH TBG & Tagged Cement Top @ 872 mKB, POH 60.3mm TBG, MIRU E-Line, RIH 149mm Gauge Ring to 867.5 mKB, Pulled CBL Log from 869.4 mKB to 540.0 mKB, Repeated CBL with 10,000 kPa Pressure Pass, Made up, RIH, Logged on Depth & Perforated 769.0 - 770.0 mKB (1.0m) as per Program, RIH & Set PBP ce @ 770.5 mKB, Rigged out E-Line, Drained Up, SWFN, Boilerman on Duty through the Night.							
24hr Forecast RIH Temp Tools, Mix & Dump Bail + Squeeze Hydromite.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
06:00	07:30	1.50	CEMENT	OTHR	P		Boilerman Heated BOPs, Vent Nanny, SCV + Fresh Water Tanks.
07:30	08:00	0.50	CEMENT	SFTY	P		Held PJHA Meeting with All Hands. (11 Total) Discussed Days Objectives, Procedures & Potential Hazards. Discussed LSR's # 1, # 3, # 4 + # 8. Discussed Days Objectives, Procedures & Potential Hazards. Recording SIPs, Bleeding Pressure, P Testing Cement to 7,000 kPa, RIH & Tag Cement, POH 44 Jts to Derrick + Lay down remaining TBG, MIRU E-Line, Tarp in & Wrap Lub with Steam Hoses, Begin Warming Lub ASAP, Installing E-Line Flange + Full Lub c/w E-Line BOPs, RIH Gauge Ring, RIH CBL Tools, P Test Lub to 14,000 kPa, Pull CBL Log, Completed Pressure Pass with 10,000 kPa Applied, RIH with Temp Tool, Record a Temperature at 760 + 600 meters, Rig Out E-Line + SWFN. Heat SCV, Fluid + Vent Nanny. Discussed Hazards: Pressure Testing > Safety Slings > Stand Clear > Red Zone, Overhead Loads/Swing Paths > Red Zone > Inspect Lifting Gear > Stand Clear > Tag Lines, E-Line Sheaves, Footing, Zero Spillage, Wheel Chocks, Good Communication + Moving Trucks > Spotters, Fuel Truck, Jet Heaters, Safe Drive to Camp > Use Road Radio > Pay Attention. Discussed Emergency Numbers, Transportation Plan, MTU + Paramedic. <> MUSTER AREA # 1 BESIDE MEDIC TRAILER. <> <> Ensured All Hands had Conoco Orientation + Valid Oilfield Tickets. <>
08:00	08:36	0.60	CEMENT	BOPE	P		SICP = 15,690 kPa. Pre-Heated Pump Line with Steam. Bled Well Dead. Rec'd 0.50 m³ Water. Pressure Tested Cement Job to 7,000 kPa. Solid Test for 10 mins.
08:36	09:12	0.60	CEMENT	TRIP	P		POH & Laid Down TBG Hanger. RIH with TBG. >> Tagged Cement Top @ 872 mKB. <<
09:12	10:54	1.70	CEMENT	TRIP	P		POH & Stood 44 Jts of 60.3mm TBG in Derrick. POH & Laid Down Remaining TBG on Pipe Racks.
10:54	11:24	0.50	CEMENT	SFTY	P		Held Safety Meeting with All Hands. Discussed Rigging in E-Line, Removing Bales, Installing Wireline Flange, Rigging in Lubricator, Pressure Testing Lub, RIH Gauge Ring, RIH CBL Tools, Pressure Pass + RIH Temp Tools and Rigging out E-Line.
11:24	15:54	4.50	CEMENT	ELOG	P		MIRU Schlumberger E-Line c/w Wireline Flange, E-Line BOPs + 178mm Lub. Made up & RIH with 149mm Gauge Ring. Tagged @ 867.5 mKB. POH. Made Up CBL Logging Tools. Pressure Tested Lubricator to 14,000 kPa. RIH CBL Tools, Pulled CBL Log from 869.4 mKB to 540.0 mKB. (50 m above Shoe) Repeated CBL Log with 10,000 kPa Pressure Pass. POH. Correlated CBL Log on Depth to Schlumberger GR/CCL Log dated March 2, 2016.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 38
 Report Date: 3/5/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
15:54	17:24	1.50	CEMENT	ELOG	P		<p><> Held Safety Meeting with All Hands on Perforating. Made Up, RIH 127mm ERHSC, Switched + Reverse Phased Perf Gun, Loaded with Owen HSC-4500-411 NT3, 20 gram Big Hole HMX Charges @ 60° Phasing + Switched 127mm ERHSC UZI Gun Loaded with 6 gram, Owen HSC-2500-302 DP charges @ 108 spm @ 10° Phasing. Correlated on Depth to Schlum GR/CCL Log dated Mar 2/16 +</p> <p>PERFORATED 769.0 - 770.0 mKB. (1.0 m) PERFORATED 769.0 - 770.0 mKB. (1.0 m) (Reverse Phased) PERFORATED 769.0 - 769.90 mKB. (0.90 m) (Perforated with UZI)</p> <p>POH. Laid Down Perf Guns. All Shots Fired 100% on All 3 Guns. Made Up, RIH with 178mm x 69K Schlumberger Bridge Plug, Correlated on Depth to Schlum GR/CCL Log dated March 2, 2016 & Set Schlumberger Bridge Plug ce @ 770.5 mKB. (0.5m below Squeeze Perfs)</p> <p>Rigged out Schlumberger Wireline.</p>
17:24	18:30	1.10	CEMENT	ELOG	P		Drained Pump & Lines. Secured Well.
18:30	06:00	11.50	CEMENT	OTHR	P		Rig Manager, then Boilerman, Heated BOPs, Vent Nanny, SCV + Fresh Water Tanks through the Night with Steam Heater & Jet Heaters.

Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	39.00	0.00	0.50	102.06

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BP PUMP LTD	Q300	140.00
Surface Completion Equipment Rental	BP PUMP LTD	Q300	140.00
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	11,818.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,900.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,900.00
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
Completion Fluids & Other Chem	IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION	G300	583.00
Completion Fluids & Other Chem	IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION	G300	3,500.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,953.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	185.00
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	1,055.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	24,275.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 38

Report Date: 3/5/2016

Final Job Status: ABANDONED

Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 39

Report Date: 3/6/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0		License No. EL 470 WID 2080				
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02		
Objective							
Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/6/2016 06:00	Report End Date 3/7/2016 06:00	Daily Cost Total (Cost) 42,448.00	Cumulative Cost (Cost) 1,504,447.06	Personnel Regular Hours (hr) 166.00			
Daily Contacts							
WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Marty Dushanek, 403-358-8911; Abandonment Engineer, Louis Borbely, 403-650-3939					Rig Rigless, 414		
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather -5	Temperature (°C)	Lease Condition -25	Snow covered		
Last 24hr Summary							
MIRU E-Line + Pressure Truck, E-Line ran Temp Log, Mixed + Dump Bailed 170 liters of ResinBond Cement above PBP, Estimate Squeezing 20 liters of ResinBond to Refusal @ 18,000 kPa, 15 min: SICP = 18,000 kPa, RO&R Pressure Truck & E-Line, Secured Well, Heated BOPs, SCV, Vent Nanny & Fluid through the Night.							
24hr Forecast							
RIH Gauge Ring to Cement Top, RIH, Set & P Test PBP @ +/- 762 mKB, Perforate next Squeeze Perfs @ 730.0 - 731.0 mKB, Dump Bail 8 l/m of Class G Cement on PBP @ 762 mKB, Set PBP ce @ 731.5 mKB.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
06:00	07:30	1.50	CEMENT	OTHR	P		Boilerman Heated BOPs, Vent Nanny, SCV + Fresh Water Tanks.
07:30	08:00	0.50	CEMENT	SFTY	P		Held PJHA Meeting with All Hands. (14 Total) Discussed Days Objectives, Procedures & Potential Hazards. Discussed LSR's # 1, # 3, # 4 + # 8. Discussed Days Objectives, Procedures & Potential Hazards. Recording SIPs, MIRU Pressure Truck (Load up 3.0 m ³ Water), Rig in Pressure Truck Pump Line through Jet Heater Hose, E-Line; RIH with Temp Tool, Record a BHT at 760 + 600 meters, Mixing ResinBond Cement, RIH with Bailer (Test Run to Check Crown Room), P Testing Pump Line, Filling BOPs with Water, Squeezing ResinBond Cement, Heating SCV, Fluid, BOPs + Vent Nanny. Discussed Hazards: Pressure Testing > Safety Slings > Stand Clear > Red Zone, Overhead Loads/Swing Paths > Red Zone > Inspect Lifting Gear > Stand Clear > Tag Lines, E-Line Sheaves, Footing, Zero Spillage, Wheel Chocks, Good Communication + Moving Trucks > Spotters, Fuel Truck, Jet Heaters, Safe Drive to Camp > Use Road Radio > Pay Attention. Discussed Emergency Numbers, Transportation Plan, MTU + Paramedic. <> MUSTER AREA # 1 BESIDE MEDIC TRAILER. <> <> Ensured All Hands had Conoco Orientation + Valid Oilfield Tickets. <>
08:00	09:30	1.50	CEMENT	ELOG	P		Rigged in E-Line. Made up & Ran Temp Log, Noted Temps @ 770 mKB (32.8° C), 730 mKB (30.2° C) + 600 mKB (22.7° C). POH & Laid Down Temp Tool. Made up Cement Bailer. RIH with 4 Sections. Displaced Water. POH with 4 Sections of Bailer on Rig's Winchline to Check Crown Room. (Aok) Started Bailer Just into CSG. Pressure Truck Loaded on 3.0 m ³ of Potable Water from 63 m ³ Tank. Rigged in Pressure Truck Pump Line through Jet Heater Hose to CSG. Pressure Tested Pressure Truck Pump Line to 21,000 kPa. (Solid P Test)
09:30	10:00	0.50	CEMENT	SFTY	P		Held Safety Meeting and Discussed in Detail; The Mixing of ResinBond Cement, Making up Bailer, Filling Bailer, Dump Bailing Cement, POH & Hanging Bailer, Filling BOP Stack, Filling All Cavities in BOP + CSG Valves with Water, Closing Blind Rams + Squeezing ResinBond Cement & Estimated Pump Volumes.
10:00	11:12	1.20	CEMENT	ELOG	P		Hauled ResinBond Cement out of Boiler. Mixed Catalyst into 60 liters of Warm Town Water. Mixed up ResinBond. Made up Bailer in Well. Filled Bailer with ResinBond Cement. RIH & Dump Bailed 170 liters of ResinBond Cement above BP. <> Calculated Cement Top @ 761.8 mKB. POH Bailer. Filled BOP Stack + Kill Spool Valves with Water. Closed Blind Rams.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 39
 Report Date: 3/6/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
11:12	12:08	0.94	CEMENT	CMNT	P		<p>Pressure Truck Performed ResinBond Cement Squeeze with Potable Water:</p> <p>11:17 Hrs: Pumped 61 liters; SICP = 5,500 kPa. (est. 15 liters cement squeezed)</p> <p>11:22 Hrs: Pumped 10 liters (71); SICP = 6,500 kPa.</p> <p>11:27 Hrs: Pumped 10 liters (81); SICP = 7,500 kPa.</p> <p>11:32 Hrs: Pumped 10 liters (91); SICP = 8,500 kPa.</p> <p>11:37 Hrs: Pumped 9 liters (100); SICP = 9,500 kPa.</p> <p>11:39 Hrs: Pumped 10 Liters (110); SICP = 10,750 kPa.</p> <p>11:40 Hrs: Pumped 10 liters (120); SICP = 12,000 kPa.</p> <p>11:45 Hrs: Pumped 10 liters (130); SICP = 13,000 kPa.</p> <p>11:50 Hrs: Pumped 10 liters (140); SICP = 14,250 kPa.</p> <p>11:52 Hrs: Pumped 10 liters (150); SICP = 15,400 kPa.</p> <p>11:53 Hrs: Pumped 23 liters (173); SICP = 18,000 kPa.</p> <p>12:08 Hrs (15 min): SICP = 18,000 kPa. Pumped a Total of 173 liters.</p> <p><> Estimate Squeezing a total of 20 liters of ResinBond Cement into Perforations.</p> <p><> Estimated Cement Top @ 762.8 mKB.</p>
12:08	13:00	0.86	CEMENT	SISW	P		<p>Shut in & Secured Well. Rigged out Pressure Truck.</p> <p>Pressure Truck Off Loaded Water into 63 m³ Tank.</p> <p>E-Line Laid Down Top Section of Cement Bailer. Re-Stabbed Lub.</p> <p>Rig Crew Tarped in + Rigged in 2 Jet Heater Hoses to Heat BOPs.</p>
13:00	06:00	17.00	CEMENT	OTHR	P		Rig Manager, then Boilerman, Heated BOPs, Vent Nanny, SCV + Fresh Water Tanks through the Night with Steam Heater & Jet Heaters.

Report Fluids 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			2.00	0.00	104.06

Daily Costs

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	9,871.00
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
Wellsite Supervision & Engineering	FOCUS WELLSITE SUPERVISION LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	2,646.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	185.00
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	1,405.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	22,356.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	50.00

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m ³)

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 39
 Report Date: 3/6/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 40
 Report Date: 3/7/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/7/2016 06:00	Report End Date 3/8/2016 06:00	Daily Cost Total (Cost) 60,625.00	Cumulative Cost (Cost) 1,565,072.06	Personnel Regular Hours (hr) 170.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Marty Dushanek, 403-358-8911; Abandonment Engineer, Louis Borbely, 403-650-3939							
Tubing Pressure (kPa)	Casing Pressure (kPa) 16,900	Weather Cloudy	Temperature (°C)	-24	Lease Condition Snow covered		
Last 24hr Summary SICP = 16,900 kPa, Bled CSG, Rigged in E-Line, RIH Gauge Ring, Tagged Cement Top @ 762 mKB, RIH & Set PBP ce @ 760 mKB, P Tested to 7,000 kPa, RIH & Perforated Squeeze Perfs from 730.0 - 731.0 mKB as per Program, Dump Bailed 8 l/m Class G Cement on PBP, Set a PBP ce @ 731.5 mKB, MIRU Pressure Truck, Mixed & Dump Bailed 170 liters of ResinBond Cement, Estimated Squeezing 6.5 liters Cement to Refusal @ 18,500 kPa, Heated BOPs, Lub + SCV Overnight.							
24hr Forecast Record SICP, Bleed to Zero, P Test BP to 7,000 kPa, RIH Gauge Ring + Tag Cement Top, RIH PBP, Apply 7,000 kPa, Set PBP @ +/- 722 mKB, Bleed Pressure, POH, P Test PBP to 7,000 kPa, RIH & Dump Bail 3 l/m of ResinBond Cement above PBP.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
06:00	07:30	1.50	CEMENT	OTHR	P		Boilerman Heated BOPs, Vent Nanny, SCV + Fresh Water Tanks.
07:30	07:54	0.40	CEMENT	SFTY	P		Held PJHA Meeting with All Hands. (12 Total) Discussed Days Objectives, Procedures & Potential Hazards. Discussed LSR's # 1, # 3, # 4 + # 8. Discussed Days Objectives, Procedures & Potential Hazards. Recording SIPS, Pre-Heat Line, Bleed CSG Pressure, Rig in E-Line; RIH Gauge Ring + Tag Cement Top, RIH & Set PBP, Pre-Heat Pump Line + P Test PBP to 7,000 kPa for 10 mins, Perf 730 - 731 mKB as per Program, Dump Bail Class G Cement on PBP, RIH & Set a PBP ce, just below Perfs, @ 731.5 mKB, If Time Permits; MIRU Pressure Truck, Rig in Pump line through Jet Heater Hose, Mix & Dump Bail ResinBond Cement, Perform ResinBond Cement Squeeze, Continue to Heat SCV, Fluid, BOPs + Vent Nanny. Discussed Hazards: Pressure Testing > Safety Slings > Stand Clear > Red Zone, Overhead Loads/Swing Paths > Red Zone > Inspect Lifting Gear > Stand Clear > Tag Lines, E-Line Sheaves, Footing, Zero Spillage > Drip Trays, Wheel Chocks, Good Communication, Moving Trucks > Spotters, Fuel Truck, Jet Heaters + Safe Drive to Camp > Use Road Radio > Pay Attention. Discussed Emergency Numbers, Transportation Plan, MTU + Paramedic. <> MUSTER AREA # 1 BESIDE MEDIC TRAILER. <> <> Ensured All Hands had Conoco Orientation + Valid Oilfield Tickets. <>
07:54	09:30	1.60	CEMENT	ELOG	P		SICP = 16,900 kPa. Bled CSG Pressure to 63 m ³ Tank. Rig in E-Line. RIH with 149mm Gauge Ring to Cement Top @ 762.0 mKB. Made up + RIH with Schlumberger 178mm x 69K Bridge Plug. Correlated on Depth to Schlumberger GR/CCL Log dated March 2, 2016 & > SET PERMANENT BRIDGE PLUG ce @ 760.0 mKB. Pressure Tested PBP to 7,000 kPa. P Test Held 100% for 10 mins.
09:30	10:45	1.25	CEMENT	ELOG	P		<> Held Safety Meeting with All Hands on Perforating. Made Up, RIH 127mm ERHSC, Switched + Reverse Phased Perf Gun, Loaded with Owen HSC-4500-411 NT3, 20 gram Big Hole HMX Charges @ 60° Phasing + Switched 127mm ERHSC UZI Gun Loaded with 6 gram, Owen HSC-2500-302 DP charges @ 108 spm @ 10° Phasing. Correlated on Depth to Schlum GR/CCL Log dated Mar 2/16 + PERFORATED 730.0 - 731.0 mKB. (1.0 m) PERFORATED 730.0 - 731.0 mKB. (1.0 m) (Reverse Phased) PERFORATED 730.0 - 730.9 mKB. (0.90 m) (Perforated with UZI) POH. Laid Down Perf Guns. All Shots Fired 100% on All 3 Guns.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 40
 Report Date: 3/7/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
10:45	10:45	0.01	CEMENT	RURD	P		Loaded on 2.0 m ³ Potable Water from 63 m ³ Tank on to Pressure Truck. MIRU Pressure Truck. Rigged in Pump Line to CSG Valve through Jet Heater Hose.
10:45	12:54	2.15	CEMENT	ELOG	P		E-Line Mixed up 170 liters of Class G Cement. Made Up + Filled Bailer. RIH & Dump Bailed 8.5 l/m of Cement Above PBP @ 760 mKB. > Calculated Cement Top @ 751.30 mKB. POH Bailer. Made Up, RIH with 178mm x 69K Schlumberger Bridge Plug, Correlated on Depth to Schlumberger GR/CCL Log dated March 2, 2016 & Set Schlumberger PBP ce @ 731.5 mKB. (Top of BP 0.3m below Squeeze Perfs)
12:54	13:24	0.50	CEMENT	SFTY	P		Held Safety Meeting and Discussed in Detail; The Mixing of ResinBond Cement, Making up Bailer, Filling Bailer, Dump Bailing Cement, POH & Hanging Bailer, Filling BOP Stack + All Cavities on Wellhead with Water, Closing Blind Rams, Squeezing ResinBond Cement & Estimated Pump Volumes.
13:24	14:19	0.92	CEMENT	ELOG	P		Hauled ResinBond Cement out of Boiler. Mixed Catalyst into 60 liters of Warm Town Water. Mixed up ResinBond Cement. Made up Bailer in Well. Filled Bailer with ResinBond Cement. RIH & Dump Bailed 170 liters (8.5 l/m) of ResinBond Cement above BP. >> Calculated Cement Top @ 722.80 mKB. POH Bailer. Filled BOP Stack + Kill Spool Valves with Water. Closed Blind Rams.
14:19	14:55	0.60	CEMENT	CMNT	P		Performed ResinBond Cement Squeeze with Potable Water as Follows: 14:20 Hrs: Pumped 85 liters; SICP = 9,500 kPa. (est. 3 liters cement squeezed) 14:21 Hrs: Pumped 10 liters (95); SICP = 10,500 kPa. 14:22 Hrs: Pumped 10 liters (105); SICP = 12,500 kPa. 14:23 Hrs: Pumped 10 liters (123); SICP = 14,000 kPa. (est. 3.5 liters squeezed) 14:24 Hrs: Pumped 10 liters (133); SICP = 15,000 kPa. 14:25 Hrs: Pumped 27 Liters (160); SICP = 18,500 kPa. 14:55 Hrs (30 min): SICP = 18,500 kPa. Pumped a Total of 160 liters. >> Estimate Squeezing a total of 6.5 liters of ResinBond Cement into Perforations. >> Estimated Cement Top @ 723.10 mKB. (Est Squeezing 0.30 of a linear meter)
14:55	16:00	1.07	CEMENT	SISW	P		Shut in & Secured Well. Rigged out Pressure Truck. Pressure Truck Off Loaded Water into 63 m ³ Tank. E-Line Laid Down Top Section of Cement Bailer. Made up & Hung 149mm Gauge Ring. Re-Stabbed Lub. Rig Crew Tarped in + Rigged in 2 Jet Heater Hoses to Heat BOPs.
16:00	06:00	14.00	CEMENT	OTHR	P		Rig Manager, then Boilerman, Heated E-Line Lub, BOPs, Vent Nanny, SCV + Fresh Water Tanks through the Night with Steam Heater & Jet Heaters.

Report Fluids 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			2.00	0.00	106.06

Daily Costs

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	10,802.00
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
Wellsite Supervision & Engineering	FOCUS WELLSITE SUPERVISION LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	185.00
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	1,405.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	2,709.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	39,539.00

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 40

Report Date: 3/7/2016

Final Job Status: ABANDONED

Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 41
 Report Date: 3/8/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT		Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/8/2016 06:00	Report End Date 3/9/2016 06:00	Daily Cost Total (Cost) 35,027.00	Cumulative Cost (Cost) 1,600,099.06	Personnel Regular Hours (hr) 144.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Marty Dushanek, 403-358-8911; Abandonment Engineer, Louis Borbely, 403-650-3939							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 17,100	Temperature (°C)	Lease Condition -22	Snow covered		
Last 24hr Summary SICP = 17,100 kPa, Bled Pressure to Zero, P Tested Cement to 7,000 kPa, RIH Gauge Ring, Tagged Cement Top @ 723.1 mKB, RIH PBP, Applied 7,000 kPa, Set PBP ce @ 721 mKB, P Tested PBP to 7,000 kPa, Mixed & Dump Bailed 3 l/m of ResinBond Cement above PBP, SWFN, Heated E-Line Lub, BOPs, Fluid, SCV + Vent Nanny through the Night.							
24hr Forecast RIH Gauge Ring + Tag Cement, Perf Next Squeeze Interval 705 - 706 mKB, Set PBP ce @ 706.5 mKB, Mix, Dump Bail & Squeeze ResinBond Cement.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
06:00	07:30	1.50	CEMENT	OTHR	P		Boilerman Heated E-Line Lub, BOPs, Vent Nanny, SCV + Fresh Water Tanks.
07:30	07:54	0.40	CEMENT	SFTY	P		Held PJHA Meeting with All Hands. (13 Total) Discussed Days Objectives, Procedures & Potential Hazards. Discussed LSR's # 1, # 3, # 4 + # 8. OROGO on Location. Discussed Days Objectives, Procedures & Potential Hazards. Recording SICP, Pre-Heat Line, Bleed CSG Pressure, Pressure Test Cement to 7,000 kPa for 10 mins, Rig in E-Line; RIH Gauge Ring + Tag Cement Top, RIH & Log PBP on Depth, Apply 7,000 kPa to CSG, Set PBP, Bleed Pressure, POH, Pressure Test PBP to 7,000 kPa for 10 mins, Mix & Dump Bail 3 l/m of ResinBond Cement above PBP, Continue to Heat E-Line Lub, SCV, Fluid, BOPs + Vent Nanny. Discussed Hazards: Pressure Testing > Safety Slings > Stand Clear > Red Zone, Overhead Loads/Swing Paths > Red Zone > Inspect Lifting Gear > Stand Clear > Tag Lines, E-Line Sheaves, Footing, Zero Spillage > Drip Trays, Wheel Chocks, Good Communication, Moving Trucks > Spotters, Fuel Truck, Jet Heaters + Safe Drive to Camp > Use Road Radio > Pay Attention. Discussed Emergency Numbers, Transportation Plan, MTU + Paramedic. <> MUSTER AREA # 1 BESIDE MEDIC TRAILER. <> Ensured All Hands had Conoco Orientation + Valid Oilfield Tickets. <>
07:54	10:06	2.20	CEMENT	ELOG	P		SICP = 17,100 kPa. Bled CSG Pressure to 63 m ³ Tank. Pressure Tested Cement to 7,000 kPa. P Test Held 100% for 10 mins. Rig in E-Line. RIH with 149mm Gauge Ring to Cement Top @ 723.10 mKB. (Squeezed 6.5 liters of ResinBond Cement into 730-731 mKB Squeeze Perfs) Made up Schlumberger 178mm x 69K Bridge Plug. Pressure Tested Wireline Lubricator to 7,000 kPa. (Good Test) RIH PBP + Correlated on Depth to Schlumberger GR/CCL Log dated March 2, 2016. Applied 7,000 kPa to CSG + SET PERMANENT BRIDGE PLUG ce @ 721.0 mKB. Bled CSG Pressure to Zero. POH & Laid Down Running Gear. Pressure Tested PBP to 7,000 kPa. P Test Held 100% for 10 mins.
10:06	10:51	0.75	CEMENT	ELOG	P		E-Line Mixed up 65 liters of ResinBond Cement. Made Up + Filled Bailer. RIH & Dump Bailed 3.2 l/m of ResinBond Cement Above PBP @ 721 mKB. > Calculated Cement Top @ 717.60 mKB. POH Bailer. Cleaned up Cement Mixing Equipment.
10:51	13:00	2.15	CEMENT	SISW	P		Shut in & Secured Well. Drained Pump & Lines. E-Line Laid Down Top Section of Cement Bailer. Made up & Hung 149mm Gauge Ring. Re-Stabbed Lub. Rig Crew Tarped in + Rigged in 2 Jet Heater Hoses to Heat BOPs + Cleaned up Location. <> 2 x OROGO Hands were Toured around the Location throughout the Day. <>

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation						
13:00	06:00	17.00	CEMENT	OTHR	P		Rig Manager, then Boilerman, Heated E-Line Lub, BOPs, Vent Nanny, SCV + Fresh Water Tanks through the Night with Steam Heater & Jet Heaters.						
Report Fluids 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	106.06				
Daily Costs													
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	9,728.00				
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				
Completion Fluids & Other Chem				IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION				G300	452.00				
Completion Fluids & Other Chem				IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION				G300	3,162.00				
Surface Completion Equipment Rental				PBN ENERGY SERVICES LTD				Q300	125.00				
Surface Completion Equipment Rental				PBN ENERGY SERVICES LTD				Q300	200.00				
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	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									

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 41
 Report Date: 3/8/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 42

Report Date: 3/9/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02		
Objective							
Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/9/2016 06:00	Report End Date 3/10/2016 06:00	Daily Cost Total (Cost) 25,322.50	Cumulative Cost (Cost) 1,625,421.56	Personnel Regular Hours (hr) 160.00			
Daily Contacts							
WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; Abandonment Engineer, Louis Borbely, 403-650-3939					Rig Rigless, 414		
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 0	Temperature (°C)	-20	Lease Condition Snow covered		
Last 24hr Summary							
SICP = Zero, Performed Bubble Test on SCV, No Bubbles in 10 mins, Rigged out & Racked E-Line & Pressure Truck on Lease, Hauled out Cement Bins, Monitored SCV with Vent Nanny, Wellhead Secured. Continued to Heat BOPs, Water Tanks, Vent Nanny + SCV.							
24hr Forecast							
Perform 10 min SCV Bubble Test, Future operations pending bubble test results.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Operation		
06:00	07:30	1.50	CEMENT	OTHR	Boilerman Heated BOPs, E-Line Lub, Vent Nanny, SCV + Fresh Water Tanks.		
07:30	08:15	0.75	RPCOMP	WAIT	<> Waited on Orders from Calgary for 45 mins. Held Safety Meeting with All Hands. (11 Total) Got Everyone Signed in.		
08:15	08:30	0.25	RPCOMP	OTHR	Removed Vent Nanny. SICP = Zero. Performed Bubble Test on SCV. No Bubbles in 10 mins. Confirmed with Calgary. Wait on Orders; But Rig out & Rack E-Line.		
08:30	08:45	0.25	RPCOMP	SFTY	Held PJHA Meeting with All Hands. (11 Total) Discussed Days Objectives, Procedures & Potential Hazards. Discussed LSR's # 1, # 3, # 4 + # 8. Discussed Days Objectives, Procedures & Potential Hazards. Rigging out Wireline, Laying down E-Line Tools + Lubricator > Tag Lines, Removing Wireline Flange > No Hands on Hammer Wrench, Lay down E-Line BOPs + Flange > Tag Lines > Red Zone > Watch Footing, Rig Vent Nanny Back into SCV. Be Ready to RIH TBG to Displace Water in SCG. Continue to Heat SCV, Fluid, BOPs + Vent Nanny. Discussed Hazards: Pressure Testing > Safety Slings > Stand Clear > Red Zone, Overhead Loads/Swing Paths > Red Zone > Inspect Lifting Gear > Stand Clear > Tag Lines, E-Line Sheaves, Footing, Zero Spillage > Drip Trays, Wheel Chocks, Dust Masks, Good Communication, Moving Trucks > Spotters, Fuel Truck, Jet Heaters + Safe Drive to Camp > Use Road Radio > Pay Attention. Discussed Emergency Numbers, Transportation Plan, MTU + Paramedic. <> MUSTER AREA # 1 BESIDE MEDIC TRAILER. <> <> Ensured All Hands had Conoco Orientation + Valid Oilfield Tickets. <>		
08:45	11:00	2.25	RPCOMP	SISW	Re-Installed Vent Nanny on SCV. > Rigged out Wireline Unit & Associated Equipment: - Laid down Cement Bailer, Laid down Gauge Ring, - Removed Steam Lines & Tarps + Laid Down Wireline Lubricator. - Removed & Laid Down Wireline BOPs + Flange. > Racked Wireline Unit & Equipment Trailer on Lease for the Night. > Rig Crew Rigged in Pump Line Off Kill Spool + Installed Bales & Elevators.		
11:00	17:00	6.00	RPCOMP	OTHR	Continued to Monitor SCV with Vent Nanny.		
17:00	07:30	14.50	RPCOMP	OTHR	Boilerhand on location overnight monitoring boilers and , maintaining heat on Bop's / wellhead + tanks.		
Report Fluids Summary							
Fluid	To lease (m³)		From lease (m³)	To well (m³)	From well (m³)		
FRESH WATER	0.00		0.00	0.00	0.00		
Daily Costs							
BU Desc			Vendor	Activity Code	Amount (Cost)		
Surface Completion Equipment Rental			BP PUMP LTD	Q300	20.00		



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 42
Report Date: 3/9/2016
Final Job Status: ABANDONED
Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	11,162.50
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
Wellsite Supervision & Engineering	FOCUS WELLSITE SUPERVISION LTD	T130	1,620.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	185.00
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	1,055.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,940.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	3,375.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 43

Report Date: 3/10/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/10/2016 06:00	Report End Date 3/11/2016 06:00	Daily Cost Total (Cost) 62,263.25	Cumulative Cost (Cost) 1,687,684.81	Personnel Regular Hours (hr) 138.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; Abandonment Engineer, Louis Borbely, 403-650-3939							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 0 Overcast	Temperature (°C)	Lease Condition -14	Snow covered		
Last 24hr Summary MIRU E-Line, RIH 148.9mm Guage Ring and tag Cement top @ 715.70mKB, RIH and perforate interval 705.0 - 706.0 as per program, Set 177.8mm - 10K PBP @ 706.5mKB (Top), Dump Bail 170 L (8.5 lineal meters) of ResinBond Cement, Conduct Cement squeeze to refusal with 14,000 kPa - 8 liters cement squeezed, Secure well with 14,000 kPa over night.							
24hr Forecast Pressure test cement to 7.0 mPa, RIH 148.9mm guage ring and tag cement top, Set 177.8mm - 10K PBP and dump bail 8 lineal meters Class G cement as per program, RIH and displace wellbore down to 60m for winterization, Rig out Service Rig and auxiliary equipment.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
06:00	07:00	1.00	RPCOMP	OTHR	P		Boilerhand on location overnight monitoring boilers and , maintaining heat on Bop's / wellhead + tanks.
07:00	07:30	0.50	CEMENT	OTHR	P		- 07:15 Hrs: Disconnect Vent Nanny from SCV. Install bubble tester. - 07:30 Hrs: Conduct bubble test on SCV for 10min with no flow. - 07:45 Hrs: Re-install Vent Nanny.
07:30	08:00	0.50	CEMENT	SFTY	P		Hold Pre-job safety meeting with all personnel, document and discuss all hazards associated with rigging in E-line, pressure testing and conducting multiple runs including explosives. Review PJHA, JSA's and IWTP.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 43
 Report Date: 3/10/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
08:00	12:00	4.00	CEMENT	ELOG	P		<ul style="list-style-type: none"> - Spot Wireline unit + trailer containing adapter flange and lubricator. - Remove elevators and bails from rig blocks to ensure adequate crown height to accomodate wireline. - Rig in sheaves and install 7 1/16" - 5K adapter flange. - Make up lubricator and tool string. - Caliper Permanent Bridge Plug = 144.5mm. - Conduct Wireline runs as follows: - 09:45 Hrs: Run in the hole with 148.9mm guage ring and junk basket, tag cement top @ 715.70 mKB. POOH. - 10:30 Hrs: Make up perforating string c/w 1.0m x 127 mm, Owen HSC-4500-411NT3 20 gm Big Hole HMX charges at 60 degree standard phasing and 20spm, 1.0m x 127 mm, Owen HSC-4500-411NT3 20 gm Big Hole HMX charges at 60 degree reverse phasing and 20spm, 0.90m x 127 mm, UZI gun with 6.0 gm charges at 118spm and DP charges Owen HSC-2500-302. - 10:45 Hrs: Hold Pre-Arm safety meeting with all personnel, review Lonkar JSA, discuss hazards and procedures for arming guns, identify red zones and personnel required to pick up and stab on lubricator. - 11:00 Hrs: Run in the hole with perforating guns, Correlate to the Schlumberger cased hole Cement Bond Log dated February 26, 2013. - 11:20 Hrs: Gun #1 fired perforating Interval 705.0 - 706.0 mKB <p>Note: As soon as gun fired identified CCL communication was lost, Pull out of the hole with perforating string up to 100.0 mKB.</p> <ul style="list-style-type: none"> - 11:35 Hrs: Hold safety meeting regarding pulling live guns to surface, discuss Lonkar JSA and procedure for same. - With guns recovered to surface and laid down inspected and identified snap ring on tool dislodged when gun fired falling on top of the CCL causing an short. Installed new snap ring and function tested CCL - functioning properly.
12:00	13:00	1.00	CEMENT	ELOG	P		<ul style="list-style-type: none"> - Run in the hole perforating string = 127 mm, Owen HSC-4500-411NT3 20 gm Big Hole HMX charges at 60 degree reverse phasing and 20spm, 0.90m x 127 mm, UZI gun with 6.0 gm charges at 118spm and DP charges Owen HSC-2500-302. - 12:23 Hrs: Fire Gun #2 perforating Interval 705.0 - 706.0 mKB. - 12:33 Hrs: Fire Gun #3 perforating Interval 705.0 - 705.90 mKB. - No change on well-bore after guns fired. - Pull out of the hole, inspect guns = all shots fired and centered in scallops.
13:00	14:00	1.00	CEMENT	ELOG	P		<ul style="list-style-type: none"> - Make up 177.8mm - 10K Permanent Bridge Plug assembly. - Run in the hole and Correlate on depth with the Schlumberger cased hole Cement Bond Log dated February 26, 2013. - 13:34 Hrs: Set Permanent Bridge Plug as follows: 706.5mKB (Top) / 706.7mKB (C.E.) / 707.0mKB (Bottom). - With plug set pull up 5m, run back down and tag Bridge Plug to ensure set. - POOH with setting tool. - Rig in 5K pressure truck, pressure test treating line to 24.0 mPa.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 43
 Report Date: 3/10/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation																																																												
14:00	17:00	3.00	CEMENT	ELOG	P		<ul style="list-style-type: none"> - Make up Dump bailer to accomodate 170 Liters of Resin Bond Cement and place in stack. - Mixed up 170L of Resin Cement as per directions for mixing. Started mixing @ 14:30hrs. Filled bailer with Cement, - RIH and dump bailed resin cement on PBP @ 14:55hrs. Lost 250LBs on pull weight. POOH. - Stood bailer in Rig Derrick, filled BOP's with water to above rams, shut rams, purge air out of pressure truck pump line and ready to begin squeeze. - Conduct Cement Squeeze with following results: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>TIME</th><th>Pressure (kPa)</th><th>Liters per stage</th><th>Cum Liters Pumped.</th></tr> </thead> <tbody> <tr><td>15:10</td><td>1,000</td><td>13</td><td>13</td></tr> <tr><td>15:12</td><td>2,000</td><td>8</td><td>21</td></tr> <tr><td>15:14</td><td>3,000</td><td>7</td><td>28</td></tr> <tr><td>15:16</td><td>4,000</td><td>6</td><td>36</td></tr> <tr><td>15:18</td><td>5,000</td><td>9</td><td>45</td></tr> <tr><td>15:20</td><td>6,000</td><td>8</td><td>53</td></tr> <tr><td>15:22</td><td>7,000</td><td>8</td><td>61</td></tr> <tr><td>15:34</td><td>8,000</td><td>8</td><td>69</td></tr> <tr><td>15:45</td><td>9,000</td><td>8</td><td>77</td></tr> <tr><td>15:55</td><td>10,000</td><td>9</td><td>86</td></tr> <tr><td>16:05</td><td>11,000</td><td>7</td><td>93</td></tr> <tr><td>16:15</td><td>12,000</td><td>9</td><td>102</td></tr> <tr><td>16:25</td><td>13,000</td><td>8</td><td>110</td></tr> <tr><td>16:35</td><td>14,000</td><td>8</td><td>118</td></tr> </tbody> </table> <ul style="list-style-type: none"> - With 14,000 kPa applied monitor for 25min with no leak off, secure well leaving 14,000 kPa on cement over night. - Note: 8 Liters total cement squeezed during cement squeeze operation - calculated using results obtained from Pressure vs Volume tests conducted on N-20 65-00 126-45 Feb 26, 2016. - Estimated Cement top @ 698.0 mKB. 	TIME	Pressure (kPa)	Liters per stage	Cum Liters Pumped.	15:10	1,000	13	13	15:12	2,000	8	21	15:14	3,000	7	28	15:16	4,000	6	36	15:18	5,000	9	45	15:20	6,000	8	53	15:22	7,000	8	61	15:34	8,000	8	69	15:45	9,000	8	77	15:55	10,000	9	86	16:05	11,000	7	93	16:15	12,000	9	102	16:25	13,000	8	110	16:35	14,000	8	118
TIME	Pressure (kPa)	Liters per stage	Cum Liters Pumped.																																																																
15:10	1,000	13	13																																																																
15:12	2,000	8	21																																																																
15:14	3,000	7	28																																																																
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15:18	5,000	9	45																																																																
15:20	6,000	8	53																																																																
15:22	7,000	8	61																																																																
15:34	8,000	8	69																																																																
15:45	9,000	8	77																																																																
15:55	10,000	9	86																																																																
16:05	11,000	7	93																																																																
16:15	12,000	9	102																																																																
16:25	13,000	8	110																																																																
16:35	14,000	8	118																																																																
17:00	17:30	0.50	CEMENT	SISW	P		<ul style="list-style-type: none"> - Rig out Pressure Truck - Drain, secure and winterize all equipment. - Tarp in and apply heat to Bop's, wellhead and wireline equipment. - SDFN. 																																																												
17:30	07:30	14.00	RPCOMP	OTHR	P		Boilerhand on location overnight monitoring boilers and , maintaining heat on Bop's / wellhead + tanks.																																																												
Report Fluids 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	106.06																																																												
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Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD			E120	11,162.50																																																														
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC			S990	2,765.00																																																														
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC			P100	1,666.00																																																														
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC			P100	1,680.00																																																														
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	MINAULT ENERGY SERVICES LTD			T130	1,620.00																																																														
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD			Q300	125.00																																																														
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD			Q300	200.00																																																														
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	185.00																																																														
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	705.00																																																														
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD			Q300	1,872.00																																																														
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC			Q300	15.00																																																														
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED			K100	36,417.75																																																														
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD			Q300	350.00																																																														

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 43

Report Date: 3/10/2016

Final Job Status: ABANDONED

Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	50.00
Maintain Road & Location	WILLOWLAKE ENVIRONMENTAL LTD	D230	1,990.00

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 44

Report Date: 3/11/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/11/2016 06:00	Report End Date 3/11/2016 18:00	Daily Cost Total (Cost) 37,953.01	Cumulative Cost (Cost) 1,725,637.82	Personnel Regular Hours (hr) 138.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; Abandonment Engineer, Louis Borbely, 403-650-3939							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 13,200	Temperature (°C)	Lease Condition -9	Snow covered		
Last 24hr Summary SICP=13,300 kPa, Bleed off and pressure test cement to 7.0 mPa, RIH Guage ring and tag cement top @ 698.0 mKB, Set Permanent Bridge Plug @ 686.0 C.E, Pressure test to 7.0 mPa, Dump Bail 8.5 lineal meters Class G cement placing cement top @ 687.30 mKB. RDMO Wireline + Associated services, clean out rig tank, rig out service rig auxiliary services. Wellhead installed with bull plugged tbg hanger - pressure tested to 21.0 mPa and winterized with methanol.							
24hr Forecast RDMO Service rig and remaining equipment, monitor Vent Nanny.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
06:00	07:30	1.50	RPCOMP	OTHR	P		Boiler Hand on location overnight monitoring boilers and , maintaining heat on Bop's / wellhead + tanks.
07:30	08:00	0.50	CEMENT	SFTY	P		Hold Pre-job safety meeting with all personnel, document and discuss all hazards associated with rigging in E-line, pressure testing and conducting multiple runs including explosives. Review PJHA, JSA's and IWTP.
08:00	08:30	0.50	CEMENT	DHEQ	P		<ul style="list-style-type: none"> - Rig in Pressure truck to csg. - Pressure test pump line to 21.0 mPa, bleed line back to 14.0 mPa and open casing. - SICP = 13,200 kPa. - Bleed off casing to 0 kPa. - Pressure test cement to 7.0 mPa for 10min - good test. - Bleed off applied pressure to 0 kPa.
08:30	12:30	4.00	RPEQPT	ELOG	P		<ul style="list-style-type: none"> - Rig in E-line lubricator and make up tool string c/w 148.9mm guage ring and junk basket. - Run in the hole and tag cement top @ 698.0 mKB indicating no additional cement squeezed over night. - Pull out of the hole with guage ring. - Make up 177.8mm - 10K Permanent Bridge Plug and run in the hole. - Corolate on depth to the Schlumberger cased hole Cement Bond Log dated February 26, 2013. - With PBP on depth pressure up casing to 7.0 mPa with pressure truck. - 09:39 Hrs: Set Permanent Bridge Plug @ 695.80 mKB (Top) / 696.0 mKB (C.E) / 696.30 mKB (Bottom). - Bleed off applied pressure, pull out of the hole with setting tool. - 10:00 Hrs: Make up Bailer and place in stack. - Mix up 170 liters of Class G cement and pour in bailer. - 10:30 Hrs: Run in the hole with cement bailer. - 10:50 Hrs: Tag Permanent Bridge Plug @ 695.80 mKB and dump cement, pooh. Note: Cement top @ 687.30 mKB. - Break down bailer and tool string. - Rig out lubricator, bop's and adapter flange. - While conducting Wireline operations rig out and demobilize the following equipment: - Rig pump (Hauled to C&J yard in Norman Wells) - 2x 400bbl tanks (Hauled to CPC Yard Norman Wells) - 5x Sheets of rig matting (Hauled to HRN Yard). - C&J Boilers (1 Hauled to CPC Yard Norman Wells, 1 to be demobilized tomorrow).



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 44
Report Date: 3/11/2016
Final Job Status: ABANDONED
Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
12:30	13:00	0.50	RPEQPT	SFTY	P		Hold safety meeting with all personnel regarding tripping tbg + cleaning rig tank (Confined Space Entry), Document and discuss all hazards, review PJHA, JSA's and CPC COP regarding Confined Space Entry, Complete CPC Confined Space rescue plan and identify Key personnel regarding Safety watch and Rescue team. Check personnel tickets for valid Confined space + fall arrest tickets - all valid.
13:00	15:00	2.00	RPEQPT	TRIP	P		<ul style="list-style-type: none"> - Prep rig floor to run in the hole with 60.3mm tbg. - Run in the hole with 50 Jts of 60.3mm bull plugged tbg to displace 1.40m³ fresh water from wellbore dropping fluid level 69m in casing for winterization. - Pull out of the hole laying down tbg string.
15:00	17:30	2.50	RPCOMP	DMOB	P		<ul style="list-style-type: none"> - Spot steamer and vac truck and clean out rig tank (Approx 4m³ of sludge in bottom of tank from combined operations throughout winter). - Rig out rig floor, stairs and v-door. - Remove Bop's and rack on bop stand. - Remove 7 1/16 - 5K-10K DSA and place in HD Rentals basket for demob. - Install tbg hanger c/w 60.3mm bull plug in bottom, engage lag screws and install 7 1/16-10K Wellhead Top Section. - Fill top section cavity with methanol and pressure test to 21.0 mPa, displace approx 1L out of top section to allow room for expansion. - Wrap up accumulator lines, tidy up around wellhead area, tarp in wellhead and apply heat with flameless heater over night.
17:30	18:00	0.50	RPCOMP	SISW	P		<ul style="list-style-type: none"> - Secure well and equipment. - SDFN.

Report Fluids 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	27.00			106.06

Daily Costs

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	11,435.50
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	2,150.00
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	3,708.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,920.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	3,650.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,200.00
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	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	125.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
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	185.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	185.00
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	957.60
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	631.26
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	7,295.65
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	50.00

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m ³)
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Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 44

Report Date: 3/11/2016

Final Job Status: ABANDONED

Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 45
 Report Date: 3/12/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost)		1,784,359.02		
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/12/2016 07:30	Report End Date 3/12/2016 18:00	Daily Cost Total (Cost) 32,377.50	Cumulative Cost (Cost) 1,758,015.32	Personnel Regular Hours (hr) 166.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; Abandonment Engineer, Louis Borbely, 403-650-3939							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 0 Clear	Temperature (°C)	-10	Lease Condition Snow covered		
Last 24hr Summary 08:30 Hrs: Conduct bubble test on SCV for 10min with no flow, Rig out Service rig and auxiliary equipment, demobilize all equipment off location to Norman Wells.							
24hr Forecast Cut and Cap Well, TOTC for removal of Mouse and Rathole.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:00	0.50	RPCOMP	SFTY	P		Hold Pre-job safety meeting with all personnel regarding rigging out service rig and auxiliary equipment, loading and transporting equipment to Norman Wells. Review PJHA, JSA's + IWTP. Check all personnel tickets and CPC orientation cards - all valid.
08:00	15:00	7.00	RPCOMP	DMOB	P		<ul style="list-style-type: none"> - Conduct walk around inspection - No spills or leaks identified. - Start loading up equipment onto Canol trucks to be demobilized to Norman Wells. - 08:15 Hrs: Disconnect Vent Nanny from SCV as per Calgary request. - 08:30 Hrs: Conduct 10min bubble test on SCV with no flow. - Leave Vent Nanny disconnected. - Prep service rig to lower and lay over mast. - Conduct derrick inspection with Rig Manager. - Lower and lay over mast on C&J Rig 414. - Rig out rig and prepare for transport to home base (Norman Wells). - Load up remaining equipment on location and transport to respective base. Note: All equipment being demobilized south staged in CPC yard Norman Wells, all C&J equipment remaining in Norman Wells transported to C&J yard in Norman Wells. - Tidy up location and apply heat to cellar in preparation for cut and cap following day. - SDFN.
Report Fluids 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	106.06		
Daily Costs							
BU Desc			Vendor		Activity Code		
Surface Completion Equipment Rental			BP PUMP LTD		Q300		
Service Rig			C&J ENERGY PRODUCTION SERVICES CANADA LTD		E120		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		
Trucking/Hauling/ Hot Shot Services			CANOL OILFIELD SERVICES INC		P100		
Surface Completion Equipment Rental			CENTRAL MACKENZIE ENVIRONMENTAL LTD		Q300		
Surface Completion Equipment Rental			CENTRAL MACKENZIE ENVIRONMENTAL LTD		Q300		
Wellsite Supervision & Engineering			MINAULT ENERGY SERVICES LTD		T130		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		
Surface Completion Equipment Rental			PBN ENERGY SERVICES LTD		Q300		

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 45
 Report Date: 3/12/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
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	75.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	75.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,055.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,512.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed



Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 46

Report Date: 3/13/2016

Final Job Status: ABANDONED

Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Loon	Field Code 0579		
Surface Legal Location O-6 65-10 127-00	API / UWI 300/O06 65-10 127-00/0			License No. EL 470 WID 2080			
Job Information							
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type SURFACE CASING VENT	Total Field Estimate (Cost) 1,784,359.02			
Objective Abandon Cut and Cap							
Actual Start Date 1/13/2016 00:00	End Date 3/13/2016 17:00	Abandon Date (C&C)	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault		
AFE / RFE / Maint.# 10385947	Total AFE Amount (Cost) 1,520,000.00	Total AFE + Supp Amount (Cost) 1,520,000.00	Total Field Estimate (Cost) 1,783,177.77	AFE-Field Estimate (Cost) -263,177.77			
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 679,650.00	Total AFE + Supp Amount (Cost) 679,650.00	Total Field Estimate (Cost) 679,650.00	AFE-Field Estimate (Cost) 679,650.00			
Daily Operations							
Report Start Date 3/13/2016 07:30	Report End Date 3/13/2016 17:00	Daily Cost Total (Cost) 26,343.70	Cumulative Cost (Cost) 1,784,359.02	Personnel Regular Hours (hr) 34.00			
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; Abandonment Engineer, Louis Borbely, 403-650-3939							
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 0	Temperature (°C)	Lease Condition -10	Snow covered		
Last 24hr Summary Cut and Capped with NewWave procedure, bell holes backfilled and all equipment hauled off-site.							
24hr Forecast Abandonment complete, site turned over to construction (Bill Pepper).							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Tim e P-T-X	Trbl Code	Operation
07:30	08:00	0.50	WELLPR	SFTY	P		Held Pre-job Safety meeting all personal on location, document and discuss all hazards associated with spotting equipment, breaking down wellhead, cut and capping with Nu-Wave equipment, working with steam and open cellar. Review PJHA, JSA's and Nu-Wave cutting procedures. Check all personnel tickets and CPC Orientation cards - all valid.
08:00	08:30	0.50	WELLPR	SFTY	P		<ul style="list-style-type: none"> - Conduct morning walk around inspection - no spills or leaks identified. - Swept lease and cellar around wellhead with gas monitor, no LEls detected, Check well pressures = SICP - Slight Vac. - Conduct bubble test for 10min with no flow - test passed. - Spot Steamer and Vac truck. - Vac Water from cellar. Note: flameless heater left heating cellar overnight, snow and ice melted down to cement top in cellar. - Break all bolts on wellhead, remove top section and tubing head utilizing loader.
08:30	11:30	3.00	RPCOMP	RTWH	P		<ul style="list-style-type: none"> - Spotted NuWave truck. - Set casing cutting tool for 2.26 meters which places the vented cap at 1.52 meters below ground level. - Rigged in cutting tool and performed the cut. Rigged out cutting tool. (60min cutting time). - Pulled the csg flange c/w cut stubs of csg, sfce csg + conductor barrel out of the cellar with track hoe. - There may have been a few small pieces of cement that had fell down in to the production csg when the assembly was pulled from the cellar. - Welded the UWI and date on the vented casing camp w/centrilizer and installed it in the 177.8 mm production casing. - Cleaned up all tools and equipment. - See Cut & Cap pictures in Attachments. - Cut off pipe segment measurements: <ul style="list-style-type: none"> - Production casing: 2.26 meters - Surface: 1.50 meters - Conductor: 0.67 meters - Loaded wellhead assembly in bin to be sent to Stream Flo, Edmonton, AB. <p>Note: Lease turned over to Construction (Bill Pepper), contractors working under constructions care during Rat Hole / Mouse Hole removal operation.</p>
11:30	17:30	6.00	RPCOMP	RTWH	P		<ul style="list-style-type: none"> - Heated Rat Hole and Mouse Hole by filling with hot water to surface. - Pulled Rat Hole and Mouse Hole with track hoe with no issues. - Bell holes backfilled with approved sand material, lease cleaned up and services released. - Cut and cap complete.

Daily Morning Report

COPRC LOON CREEK O-06 65-10 127-00

Report #: 46
 Report Date: 3/13/2016
 Final Job Status: ABANDONED
 Final Report? Yes

Report Fluids 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	106.06

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	11,435.50
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,920.00
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	3,950.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Pressure Truck/Hot Oiler	NUWAVE INDUSTRIES INC	S990	4,090.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	200.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	957.60
Rig Camp	PBN ENERGY SERVICES LTD	E500	1,305.60
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	350.00
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	450.00
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
3/2/2013	Basal Lower Canol, Original Hole	1,769.00	1,770.00	20.0	Suspended
3/3/2013	Upper Lower Canol, Original Hole	1,692.00	1,693.00	20.0	Suspended
3/3/2013	Middle Lower Canol, Original Hole	1,727.00	1,728.00	20.0	Suspended
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,739.00	1,741.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,698.00	1,700.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/25/2016	Basal Lower Canol, Original Hole	1,696.00	1,698.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/26/2016	Basal Lower Canol, Original Hole	1,681.00	1,683.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
1/30/2016	Imperial Sand, Original Hole	1,355.00	1,359.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/3/2016	Imperial Sand, Original Hole	1,339.00	1,342.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,267.00	1,269.00	17.5	Squeezed
2/6/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
2/7/2016	Imperial Sand, Original Hole	1,265.00	1,267.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/2/2016	Basal Lower Canol, Original Hole	936.00	938.00	17.5	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	20.0	Squeezed
3/5/2016	Squeeze Perfs, Original Hole	769.00	770.00	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	731.00	20.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	730.00	730.90	108.0	Squeezed
3/7/2016	Squeeze Perfs, Original Hole	705.00	705.90	108.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed
3/10/2016	Squeeze Perfs, Original Hole	705.00	706.00	20.0	Squeezed

Appendix 4 Fluid Summary

Fluids Summary

COPRC LOON CREEK O-06 65-10 127-00

LEASE FLUID NOTE

1) If FRESH WATER has been selected as your FLUID TYPE please make sure the SOURCE library pick list is populated with one of the following (Mandatory)

- CREEK
- DUGOUT
- LAKE
- MUNICIPAL
- RIVER

2) Continue to populate the NOTE section with additional SOURCE location details

LEASE FLUIDS

Start Date	Fluid	To Lease (m³)	Source	From Lease (m³)	Dest	Manifest Number	Permit Number / TDL	Vendor	Note
1/19/2016	FRESH WATER	13.00	LAKE	13.00	Boiler	2412		HRN CONTRACTI...	fresh water hauled in from water source # 2 (A-75...
1/20/2016	FRESH WATER	13.00	LAKE		Rig Tank	2063		HRN CONTRACTI...	fresh water hauled in from water source # 2 (A-75...
1/20/2016	FRESH WATER	13.00	LAKE		Rig Tank	2063		HRN CONTRACTI...	fresh water hauled in from water source # 2 (A-75...
1/21/2016	FRESH WATER	14.00	LAKE		Rig Tank	2414		HRN CONTRACTI...	fresh water hauled in from water source # 2 (A-75...
1/21/2016	FRESH WATER	8.00	LAKE	8.00	Boiler	2414		HRN CONTRACTI...	fresh water hauled in from water source # 2 (A-75...
1/23/2016	FRESH WATER	56.00	LAKE		Rig Tank	2395		HRN CONTRACTI...	fresh water hauled in from water source # 2 (A-75...
1/28/2016	FRESH WATER	23.00	MUNICIPAL		400bbl	5942		PBN ENERGY SE...	Fresh water (potable) for cement squeeze.
1/29/2016	FRESH WATER		LAKE	10.00	OTHER LOCATIO...	3158		CANOL OILFIELD...	Transfer 10m³ fresh water from location to E-76 65...
1/29/2016	FRESH WATER	9.77	MUNICIPAL		400bbl	5350		PBN ENERGY SE...	Potable Water
1/30/2016	FRESH WATER		LAKE	16.00	OTHER LOCATIO...			CANOL OILFIELD...	Transfer 16m³ fresh water from location to E-76 65...
1/30/2016	FRESH WATER	11.00	MUNICIPAL		400bbl	4254		PBN ENERGY SE...	Potable Water
1/31/2016	FRESH WATER		MUNICIPAL	12.00	Boiler			CANOL OILFIELD...	Fresh Water Transferred from 400bbl tank to boiler
2/1/2016	FRESH WATER		LAKE	14.00	OTHER LOCATIO...	0618		CANOL OILFIELD...	Transfer 14m³ fresh water from location to E-76 65...
2/1/2016	FRESH WATER	13.00	MUNICIPAL		400bbl			HRN CONTRACTI...	Potable Water
2/1/2016	FRESH WATER	11.50	MUNICIPAL		400bbl	5250		PBN ENERGY SE...	Potable Water
2/2/2016	FRESH WATER		LAKE	17.00	OTHER LOCATIO...			CANOL OILFIELD...	Transfer 16m³ fresh water from location to E-76 65...
2/2/2016	FRESH WATER	26.00	MUNICIPAL		400bbl			HRN CONTRACTI...	Potable water hauled in for cement ops.
2/3/2016	FRESH WATER		LAKE	3.00	OTHER LOCATIO...			CANOL OILFIELD...	Transfer 16m³ fresh water from location to E-76 65...
2/3/2016	FRESH WATER	19.00	LAKE		400BBL Tank			CANOL OILFIELD...	Transfer 16m³ fresh water from E-76 65-10 125-45...
2/8/2016	FRESH WATER	11.50	MUNICIPAL		400BBL	5257		PBN ENERGY SE...	Fresh town water containing <4000mg/L TDS
2/9/2016	FRESH WATER	12.00	MUNICIPAL		400bbl	5259		PBN ENERGY SE...	Fresh town water containing <4000mg/L TDS
2/11/2016	FRESH WATER		rig tank/cement...	18.00	Tervita Sierra B-90-...	538732	BL31817-3	CANOL OILFIELD...	Vac truck clean out cement sludge from rig tank/ce...
2/12/2016	FRESH WATER		400BBL tanks	49.00	P-20 65-00 126-45	3171		CANOL OILFIELD...	Lease transfer to P-20 65-00 126-45
2/12/2016	FRESH WATER		400BBL tanks	6.80	Cement Bin				Fluid left in cement bin for disposal
3/1/2016	FRESH WATER	12.00	MUNICIPAL		400bbl	5103		PBN ENERGY SE...	Potable Water for well ops.
3/1/2016	FRESH WATER	7.45	300/D-04 65-10...		400bbl			CANOL OILFIELD...	Fresh water transferred from 300/D-04 65-10 127-00
3/2/2016	FRESH WATER	20.20	N-20 65-00 126-45		400bbl tank	3265		CANOL OILFIELD...	Hauled from N-20 for storage O-06
3/2/2016	FRESH WATER	16.00	P-20 65-00 126-45		400bbl tank	3265		CANOL OILFIELD...	Hauled from P-20 for storage at O-06
3/2/2016	FRESH WATER	15.00	MUNICIPAL		400bbl tank	5104		PBN ENERGY SE...	Municipal water for cementing ops
3/2/2016	FRESH WATER	10.00	E-76 65-10 126-45		400bbl tank	3265		CANOL OILFIELD...	Hauled from E-76 for storage O-06

Fluids Summary

COPRC LOON CREEK O-06 65-10 127-00

LEASE FLUID NOTE

1) If FRESH WATER has been selected as your FLUID TYPE please make sure the SOURCE library pick list is populated with one of the following (Mandatory)

- CREEK
- DUGOUT
- LAKE
- MUNICIPAL
- RIVER

2) Continue to populate the NOTE section with additional SOURCE location details

LEASE FLUIDS

Start Date	Fluid	To Lease (m³)	Source	From Lease (m³)	Dest	Manifest Number	Permit Number / TDL	Vendor	Note
3/3/2016	FRESH WATER	1.50	Schlumberger			N/A		CANOL OILFIELD...	Raw Synthetic Acid
3/4/2016	FRESH WATER	15.00	MUNICIPAL		400bbl tank	5060		PBN ENERGY SE...	Municipal water for cementing ops
3/5/2016	FRESH WATER			24.00	DISPOSAL	BL31797-7/...		CANOL OILFIELD...	Sent to Tervita Sierra Nelson (KM77)
3/5/2016	FRESH WATER			15.00	DISPOSAL	BL31795-1...		CANOL OILFIELD...	Sent to Tervita Silverberry (Km 73)
3/11/2016	FRESH WATER		400bbl / Boilers	27.00	DISPOSAL	BL31798-5		CANOL OILFIELD...	Fresh Water Hauled to Tervita Silverberry

WELL FLUIDS

Start Date	Fluid	To (m³)	From (m³)	Dens (kg/m³)	Non-recov (m³)	Zone	Note
1/23/2016	FRESH WATER	1.10		1,000.00		Upper Lower Canol, Original...	Fresh Water to fill csg.
1/26/2016	FRESH WATER	10.00		1,000.00		Upper Lower Canol, Original...	Fresh Water pumped for injectivity / feed rate test for up-coming cement job.
1/28/2016	FRESH WATER	2.00		1,000.00		Upper Lower Canol, Original...	Fresh Water used to establish feed rate
1/28/2016	FRESH WATER	5.50		1,000.00		Upper Lower Canol, Original...	Fresh Water used to mix and conduct cement placement / squeeze job.
1/31/2016	FRESH WATER	7.00		1,000.00		Imperial Sand, Original Hole	Water used for Acid Job / Feed Rate.
2/1/2016	FRESH WATER	10.00		1,000.00		Imperial Sand, Original Hole	Water used to establish Feed Rate.
2/1/2016	FRESH WATER		3.64	1,000.00		Imperial Sand, Original Hole	Water recovered bleeding back after Feed Rate.
2/2/2016	FRESH WATER	2.00		1,000.00		Imperial Sand, Original Hole	Fresh Water used to establish feed rate
2/2/2016	FRESH WATER	5.40		1,000.00		Imperial Sand, Original Hole	Fresh Water used to mix and conduct cement placement / squeeze job.
2/4/2016	FRESH WATER	12.50				Imperial Sand, Original Hole	Fresh water used for Acid job/feed rate
2/5/2016	FRESH WATER	1.80		1,000.00		Imperial Sand, Original Hole	fill lines and perform feed rate (fresh town water)
2/5/2016	FRESH WATER	5.70		1,000.00		Imperial Sand, Original Hole	Used to mix and squeeze cement (fresh town water) cement 1680kg/m³
2/7/2016	FRESH WATER	1.00		1,000.00		Imperial Sand, Original Hole	fill hole for feed rate attempt
2/7/2016	FRESH WATER		1.00	1,000.00		Imperial Sand, Original Hole	tubing displacement
2/8/2016	FRESH WATER	14.60		1,000.00		Imperial Sand, Original Hole	used in acid job
2/8/2016	FRESH WATER		2.50	1,000.00		Imperial Sand, Original Hole	flowed back when bleeding off after acid job
2/9/2016	FRESH WATER	4.00		1,000.00		Imperial Sand, Original Hole	fresh town water used for mixing cement
2/9/2016	FRESH WATER	5.10		1,000.00		Imperial Sand, Original Hole	pump 2 tubing volumes prior to cement job to cool wellbore
2/10/2016	FRESH WATER	26.00		1,000.00		Imperial Sand, Original Hole	Fresh town water containing <4000mg/L TDS
2/10/2016	FRESH WATER		26.00	1,000.00		Imperial Sand, Original Hole	Circulated over to fresh water TDS<4000 mg/l
3/2/2016	FRESH WATER	1.00		1,000.00		Imperial Sand, Original Hole	Hole fill to pressure test cement retainer
3/3/2016	FRESH WATER	1.50					Synthetic Acid
3/3/2016	FRESH WATER	12.50					Squeeze + Overdisplace Acid



Fluids Summary

COPRC LOON CREEK O-06 65-10 127-00

LEASE FLUID NOTE

1) If FRESH WATER has been selected as your FLUID TYPE please make sure the SOURCE library pick list is populated with one of the following (Mandatory)

- CREEK
- DUGOUT
- LAKE
- MUNICIPAL
- RIVER

2) Continue to populate the NOTE section with additional SOURCE location details

WELL FLUIDS

Start Date	Fluid	To (m ³)	From (m ³)	Dens (kg/m ³)	Non-recov (m ³)	Zone	Note
3/4/2016	FRESH WATER	7.00					Cement
3/5/2016	FRESH WATER		0.50	1,000.00			Bled off Pressure
3/6/2016	FRESH WATER	2.00		1,000.00			Hole Fill + Squeeze ResinBond
3/7/2016	FRESH WATER	2.00		1,000.00			Hole Fill + Squeeze ResinBond

JOB FLUID SUMMARY

Fluid	To lease (m ³)	From lease (m ³)	Lease Bal (m ³)	To well (m ³)	From well (m ³)	Left to recover (m ³)
FRESH WATER	350.92	232.80	12.06	139.70	33.64	106.06

Appendix 5 SCVF Test Summary

COPRC LOON CREEK O-06 65-10 127-00

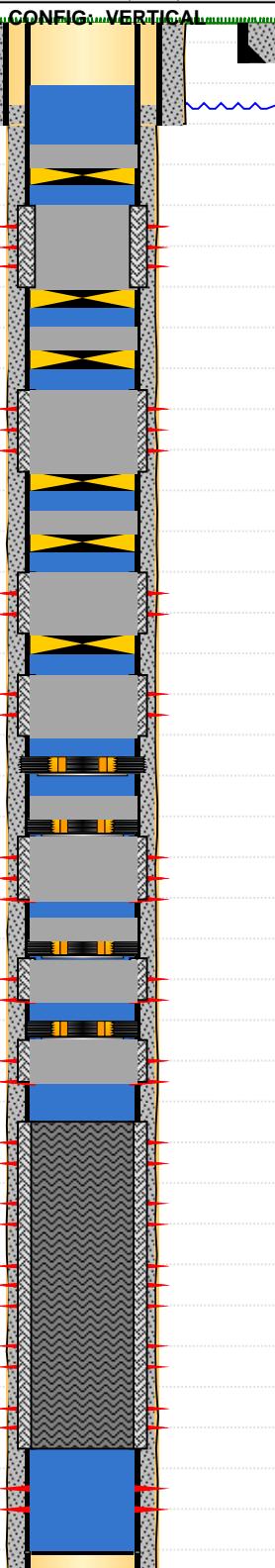
Well Header

Legal WellName COPRC LOON CREEK O-06 65-10 127-00	API / UWI 300/O06 65-10 127-00/0	Operator CONOCOPHILLIPS	License No. EL 470 WID 2080
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SCVF TESTS

Typ	Date	Operator	Detection	Com
SCVF	2/26/2013 09:30	Myles Hahn	No	Performed a ten minute SCVF test as per ERCB directive 20. Zero flow (no bubbles) in ten minute test. Good test.
SCVF	3/24/2013 12:00	Myles Hahn/Doug Smith	Yes	<p>12:00 Performed a 10 minute SCVF test. After 45 seconds SCV started to bubble. SCV bubbled for 9 seconds and then stopped for 9 seconds in a repeating pattern (too many bubbles to count when bubbling).</p> <p>13:30 Shut in SCV line to monitor pressure. Electronic surface box installed.</p> <p>March 24, 2013 at 18:00 SISCVP = 66 kPa (4.5hours shut in)</p> <p>March 25, 2013 at 18:00 SISCVP = 258 kPa (28.5 hours shut in)</p> <p>March 26, 2013 at 08:00 SISCVP = 362 kPa (42.5 hours shut in)</p> <p>March 26, 2013 at 18:30 SISCVP = 443 kPa (53.0 hours shut in)</p> <p>March 27, 2013 at 05:00 SISCVP = 524 kPa (63.5 hours shut in)</p> <p>March 27, 2013 at 19:30 SISCVP = 638 kPa (78.0 hours shut in)</p> <p>March 28, 2013 at 05:00 SISCVP = 703 kPa (87.5 hours shut in)</p> <p>March 28, 2013 at 19:30 SISCVP = 786 kPa (102.0 hours shut in) / Removed recorder box and obtained 4 G-Chem gas samples from SCVL. 20:00 Re-installed recorder box. SISCVP at 20:00 783 kPa</p> <p>March 29, 2013 at 05:00 SISCVP = 792 kPa (111.5 hours shut in)</p> <p>Mar.29/13 @ 19:30 = 830.46 kPa (126 hrs shut in)</p> <p>Mar.30/13 @ 07:30 = 862.33 kPa = 31.87 kPa in 12hrs, Average 2.65 kPa/hr. (138 hrs shut in)</p> <p>Mar.30/13 @ 19:30 = 898.18 kPa = 35.85 kPa in 12 hrs, 67.72 kPa last 24 hrs. Average 2.82 kPa/hr. (150 hrs shut in)</p> <p>Mar.31/13 @ 07:30 = 933.89 kPa = 35.71 kPa in 12 hrs, 71.56 kPa last 24 hrs. Average 2.98 kPa/hr. (162 hrs shut in)</p> <p>Mar.31/13 @ 19:30 = 972.94 kPa = 39.05 kPa in 12 hrs, 74.76 kPa last 24 hrs. Average 3.11 kPa/hr. (174 hrs shut in)</p> <p>Apr.1/13 @ 07:30 = 1008.9 kPa = 35.96 kPa in 12 hrs, 75.01 kPa last 24 hrs. Average 3.12 kPa/hr. (186 hrs shut in)</p> <p>Apr.1/13 @ 19:30 = 1039.7 kPa = 30.8 kPa in 12 hrs, 66.76 kPa last 24 hrs. Average 2.78 kPa/hr. (198 hrs shut in)</p> <p>Apr.2/13 @ 07:30 = 1067.5 kPa = 27.8 kPa in 12 hrs, 58.6 kPa last 24 hrs. Average 2.44 kPa/hr. (210 hrs shut in)</p> <p>Apr.2/13 @ 16:30 = 1086.9 kPa = 19.4 kPa in 9 hrs, 47.2 kPa last 21 hrs. Average 2.24 kPa/hr. (219 hrs shut in)</p> <p>Apr.2/13 @ 16:30 Bled off SWEET GAS SCV to 0.0 kPa</p>
SCVF	4/4/2013 07:30	Doug Smith	Yes	<p>Apr. 3/13 @ 08:00- Installed Lonkar PD meter for 24 hr flow test. PD meter calibration date Aug.23/11</p> <p>Apr.4/13 @ 08:00 Removed PD meter. 24 hr flow test equates to 2.85 m3/day. Installed Real Time SCV recorders c/w 6000 kPa pop valve. Confirmed Data being sent Via Satellite.</p> <p>Shut in Surface casing vent. Apr.4/13 @ 08:15 hrs.</p>
SCVF	2/26/2014 12:00	Don Williams	Yes	Feb 26/14 Removed vent nanny assembly and installed on SCV adaptor with 1 inch of environmentally friendly fluid (Seen continuous bubble. To many to count) for ten min. SCV is left open with out vent nanny attached.
SCVF	1/10/2016 09:00	Chris Tucker	Yes	0900hrs: Broke down SCV line and checked to see if it was frozen, no need to use Hydro-Vac as SCV line is above ground. Dumped 1 liter of environmental friendly anti-freeze down SCV elbow to make sure it wasn't frozen, all clear. Performed a 10 minute SCVF bubble test. After 35 seconds SCV started to bubble, counted 30+ bubbles a min flow. Roke Vent nanny installed and sending data.
SCVF	3/10/2016 07:30	Justin Minault	No	Performed bubble test on SCV for 10min with no flow detected
SCVF	3/12/2016 08:30	Justin Minault	No	Performed bubble test on SCV for 10min with no flow. - Bubble test passed.
SCVF	3/13/2016 08:30	Justin Minault	No	Performed bubble test on SCV for 10min with no flow. - Bubble test passed.

Appendix 6 Final Wellbore Schematic

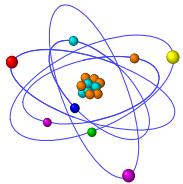
Country CANADA		State/Province N.W.T.		Region / Division WCBU	District NEW VENTURES		Field Name Loon	Field Code 0579					
Surface Legal Location O-6 65-10 127-00		API / UWI 300/O06 65-10 127-00/0		License No. EL 470 WID 2080									
Orig KB/RT (m) 257.60		Ground Elevation (m) 252.40		KB-Ground Distance (m) 5.20	KB-CF (m) 4.87		KB-TF (m) 4.22	Total Depth (mKB) 1,856.00					
VERTICAL - Original Hole, 3/13/2016 5:00:00 PM													
MD (mKB)	Incl (°)	Vertical schematic (actual)											
WELL CONFIG - VERTICAL													
20.0	0.5												
67.3	0.4												
597.0	0.3												
695.8	1.2												
698.0	1.2												
705.9	1.2												
706.5	1.2												
717.6	1.3												
721.3	1.3												
730.0	1.4												
731.0	1.4												
731.8	1.4												
759.8	1.1												
762.0	1.1												
770.0	1.1												
770.8	1.1												
936.0	1.5												
951.0	1.6												
960.4	1.6												
1,257.4	1.7												
1,265.0	1.7												
1,269.0	1.7												
1,334.8	0.5												
1,339.0	0.6												
1,348.8	0.5												
1,355.0	0.5												
1,382.0	0.6												
1,681.0	1.7												
1,690.6	1.8												
1,693.0	1.9												
1,696.0	1.9												
1,700.0	2.0												
1,727.0	2.4												
1,729.8	2.4												
1,741.0	2.6												
1,767.6	3.1												
1,770.0	3.1												
1,841.5	3.1												

VERTICAL - Original Hole, 3/13/2016 5:00:00 PM		OTHER IN HOLE			
MD (mKB)	Incl (°)				
Vertical schematic (actual)					
20.0		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
0.5		3/22/2013	Casing Patch	1,767.56	1,771.43
67.3		OD (mm)	ID (mm)	Make	Model
0.4				Core-lab	X-Span
597.0		155.2	139.7		
695.8		Comment			
698.0		Isolating ``Basal`` Lower Canol Perforations from 1769.0 to 1770.0 mKB			
705.9		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
706.5		3/22/2013	Casing Patch	1,725.96	1,729.83
717.6		OD (mm)	ID (mm)	Make	Model
721.3				Core-lab	X-Span
730.0		Comment			
731.0		Isolating ``Middle`` Lower Canol Perforations from 1727.0 to 1728.0 mKB			
731.8		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
759.8		1/13/2016	Barrier - Fluid	67.34	1,841.50
762.0		OD (mm)	ID (mm)	Make	Model
770.0				Fresh water	TDS<4000 ppm
770.8		Comment			
796.0		Fresh water containg TDS<4000 ppm			
951.0		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
960.4		2/1/2016	Cement Retainer	1,348.81	1,349.38
1,257.4		OD (mm)	ID (mm)	Make	Model
1,265.0				Smith Tools	PCR
1,269.0		Comment			
1,334.8		Smith 7" PCR Cement Retainer			
1,339.0		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
1,348.8		2/3/2016	Cement Retainer	1,334.81	1,335.38
1,355.0		OD (mm)	ID (mm)	Make	Model
1,382.0				Smith Tools	PCR
1,681.0		Comment			
1,690.6		Smith 7" PCR Mechanical set Cement Retainer			
1,693.0		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
1,696.0		2/9/2016	Cement Cap	1,257.36	1,257.96
1,727.0		OD (mm)	ID (mm)	Make	Model
1,729.8				Schlumberger	SqueezeCrete
1,741.0		Comment			
1,767.6		380L of 1680kg/m SqueezeCRETE cement on top of cement retainer. (19m)			
1,770.0		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
1,841.5		3/2/2016	Cement Retainer	1,240.36	1,240.36
1,841.5		OD (mm)	ID (mm)	Make	Model
1,841.5				Schlumberger	SqueezeCrete/G cement
1,841.5		Comment			
1,841.5		340L of 1900kg/m G cement on top of cement retainer. (17m)			
1,841.5		Run Date	Description	Top Depth (mKB)	Bottom Depth (mKB)
1,841.5		3/2/2016	Cement Retainer	959.80	960.40
1,841.5		OD (mm)	ID (mm)	Make	Model
1,841.5				Smith	7" PCR
1,841.5		Comment			
1,841.5		Schlumberger Cement Retainer.			

VERTICAL - Original Hole, 3/13/2016 5:00:00 PM		OTHER IN HOLE			
MD (mKB)	Incl (°)				
Vertical schematic (actual)					
20.0		OD (mm)	159.4	ID (mm)	Make Schlumberger
0.5		Comment	158 L of 1900kg/m G cement left in CSG from Braidenhead Cement Squeeze. (79m)		
67.3	0.4	Run Date	3/4/2016	Description	Cement Plug
597.0	0.3	OD (mm)	159.4	Top Depth (mKB)	872.00
695.8	1.2	ID (mm)		Bottom Depth (mKB)	951.00
698.0	1.2	Comment	1900kg/m G cement		
705.9	1.2	Run Date	3/4/2016	Description	Cement Plug
706.5	1.2	OD (mm)	159.4	Top Depth (mKB)	1,257.96
717.6	1.3	ID (mm)		Bottom Depth (mKB)	1,269.00
721.3	1.3	Comment	1900kg/m G cement		
730.0	1.4	Run Date	3/5/2016	Description	Bridge Plug - Permanent
731.0	1.4	OD (mm)	159.4	Top Depth (mKB)	770.30
731.8	1.4	ID (mm)		Bottom Depth (mKB)	770.80
759.8	1.1	Comment	Schlumberger Bridge Plug		
762.0	1.1	Run Date	3/6/2016	Description	ResinBond Cement Plug
770.0	1.1	OD (mm)	159.4	Top Depth (mKB)	762.00
770.8	1.1	ID (mm)		Bottom Depth (mKB)	770.30
936.0	1.5	Comment	Schlumberger Bridge Plug		
951.0	1.6	Run Date	3/7/2016	Description	Bridge Plug - Permanent
960.4	1.6	OD (mm)	159.4	Top Depth (mKB)	759.80
1,257.4	1.7	ID (mm)		Bottom Depth (mKB)	
1,265.0	1.7	Comment	Class G Cement Dump Bailed		
1,269.0	1.7	Run Date	3/7/2016	Description	ResinBond Cement Plug
1,334.8	0.5	OD (mm)	159.4	Top Depth (mKB)	751.30
1,339.0	0.6	ID (mm)		Bottom Depth (mKB)	
1,348.8	0.5	Comment	Schlumberger Bridge Plug		
1,355.0	0.5	Run Date	3/7/2016	Description	Bridge Plug - Permanent
1,382.0	0.6	OD (mm)	159.4	Top Depth (mKB)	731.30
1,681.0	1.7	ID (mm)		Bottom Depth (mKB)	
1,690.6	1.8	Comment	Dump Bailed ResinBond Cement		
1,693.0	1.9	Run Date	3/7/2016	Description	Bridge Plug - Permanent
1,696.0	1.9	OD (mm)	159.4	Top Depth (mKB)	720.80
1,700.0	2.0	ID (mm)		Bottom Depth (mKB)	
1,727.0	2.4	Comment	7" PCR		
1,729.8	2.4	Run Date	3/8/2016	Description	ResinBond Cement Plug
1,741.0	2.6	OD (mm)	159.4	Top Depth (mKB)	717.60
1,767.6	3.1	ID (mm)		Bottom Depth (mKB)	
1,770.0	3.1	Comment	Dump Bailed ResinBond Cement		
1,841.5	3.1	Run Date	3/8/2016	Description	ResinBond Cement Plug
		OD (mm)	159.4	Top Depth (mKB)	720.80
		ID (mm)		Bottom Depth (mKB)	
		Comment	65 L (3.2 l/m) of ResinBond Cement Dump Bailed Above PBP.		

VERTICAL - Original Hole, 3/13/2016 5:00:00 PM		OTHER IN HOLE			
MD (mKB)	Incl (°)				
Vertical schematic (actual)					
20.0					
0.5					
67.3	0.4				
597.0	0.3				
695.8	1.2				
698.0	1.2				
705.9	1.2				
706.5	1.2				
717.6	1.3				
721.3	1.3				
730.0	1.4				
731.0	1.4				
731.8	1.4				
759.8	1.1				
762.0	1.1				
770.0	1.1				
770.8	1.1				
936.0	1.5				
951.0	1.6				
960.4	1.6				
1,257.4	1.7				
1,265.0	1.7				
1,269.0	1.7				
1,334.8	0.5				
1,339.0	0.6				
1,348.8	0.5				
1,355.0	0.5				
1,382.0	0.6				
1,681.0	1.7				
1,690.6	1.8				
1,693.0	1.9				
1,696.0	1.9				
1,700.0	2.0				
1,727.0	2.4				
1,729.8	2.4				
1,741.0	2.6				
1,767.6	3.1				
1,770.0	3.1				
1,841.5	3.1				

Appendix 7 G-Chem SCVF Analysis

**GCHEM**

Bay 1; 4810-62 Avenue
Lloydminster, AB T9V 2E9
Tel: (780) 871-4668
Fax: (780) 808-8883
e-mail: info@gchem.ca

Source determination of fugitive gases using ENERGY Forensics

Test Date: January 24, 2016

Company **ConocoPhillips Canada**
Well Name **Loon Creek 0-06 65-10 127-00**

Well Status Summary

SCV	Test performed by CPC personnel	Soils:	Test performed by CPC personnel
	Isolated CB %LEL/*H ₂ S (ppm v/v)	N/A	# Soil Sites Tested
	10-min. Bubble-Test (>1bub/10min)	N/A	# Soil Sites > 0 %LEL
	CB Flow Rate (m ³ /day)	N/A	# Soil Sites = 0 %LEL
	24 Hr. Shut-in Pressure (kPa)	N/A	MAX %LEL
SCVF	Stabilized Build-Up Time (hrs)	N/A	Gas Classification
SCVF	Stabilized Build-Up Pressure (kPa)	N/A	% H ₂ S*
%LEL	Surface Casing Vent		* % H ₂ S from Gas-Tech 402 %LEL Field Meter
	Positive Combustible Gas Flow in Surface Casing Vent		** SCV Data Logger (Refer to Fig 4 if measured)
	Lower Explosive Limit (5% - 15% Explosive Gases in Air)		nm not measured at clients request

Table 1: Interpreted Source of Migrating Gases (measured depth from kelly bushing of the well)

Sample Point	Geologic Formation	Depth Range	Source Depth
SCVF	Mid Devonian - Givetian Lower Canol Fm.	1679m to 1804m	1679m to 1804m

Sampling and Testing Comments

- 1) Natural gas samples from the surface casing vent were collected by ConocoPhillips personnel and forwarded to GCHEM Ltd. for analysis, characterization, classification, and geologic source determination.

Source Identification Comments

January 24, 2016

- 1) Natural gas in the surface casing vent is chemically and isotopically similar to natural gas originating from the Lower Canol Formation (Mid -Devonian Givetian).
- 2) This geologic source is consistent with the surface casing samples from September 2013.

September 10, 2013

- 1) The chemical and isotope compositions of natural gases in the surface casing vent were compared to the chemical and isotope compositions of natural gases evolved from drilling fluid while the well was being drilled (see ConocoPhillips Evolved Drilling Fluid Gas Isotope Logging and Isotech Labs analytical).
- 2) The light alkane gas compositions of the surface vent natural gas do not match any evolved gas compositions.
- 3) Natural gas in the surface casing vent is isotopically similar to natural gas originating from the Mid Devonian - Givetian Lower Canol, Hare Indian, and/or Bluefish Member at the depths provided above (Table 1).
- 4) The isotope compositions of fugitive gases have become slightly lighter since the March 28, 2013 investigation.

Recommendations

- 1) If more evolved gas samples were analyzed a more concise migrating gas source interval may be provided.
- 2) From a gas migration perspective the well will require down-hole repair to prevent leaking natural gas from migrating to surface prior to abandonment.

**Well Site Photographs**

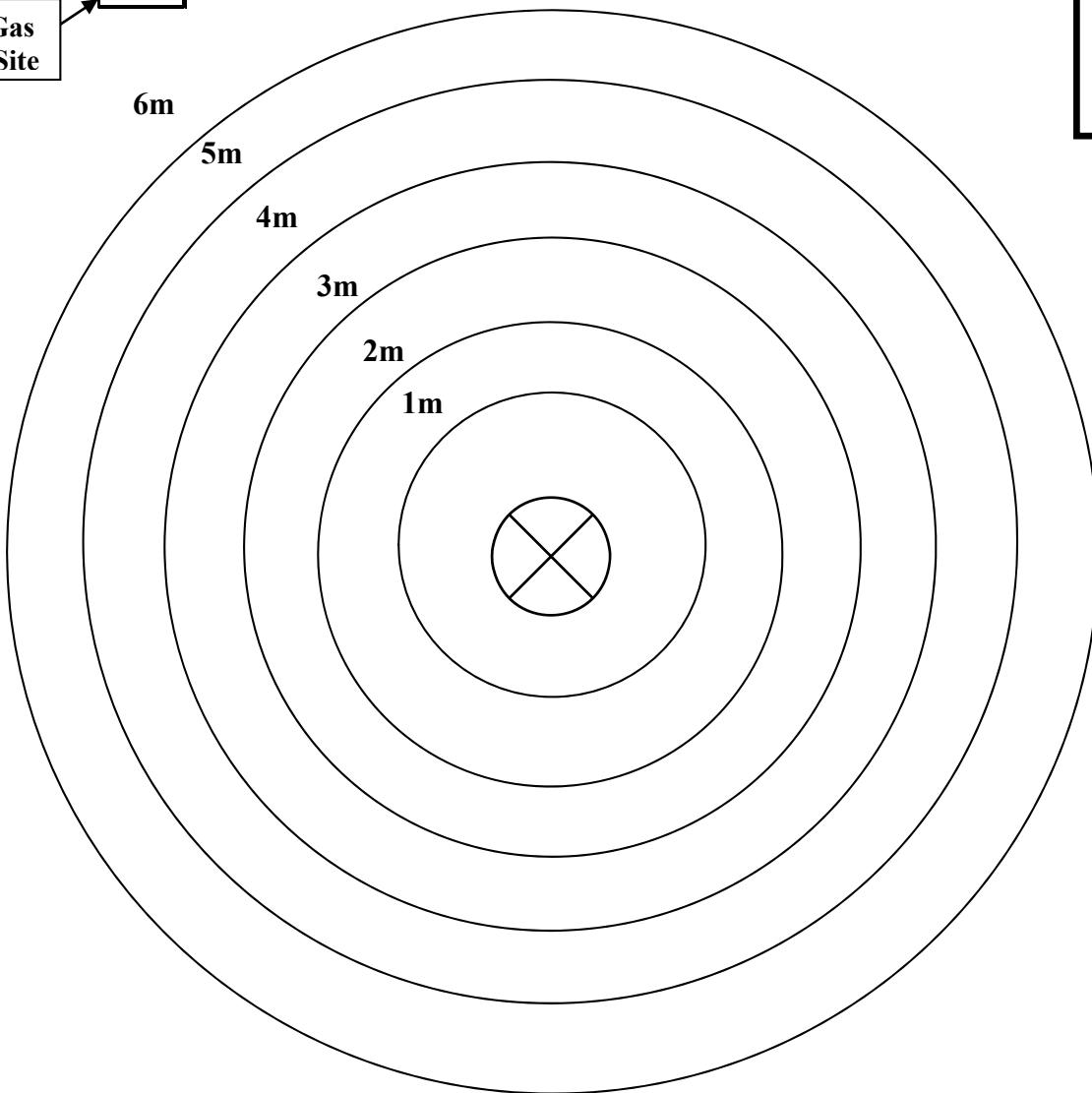
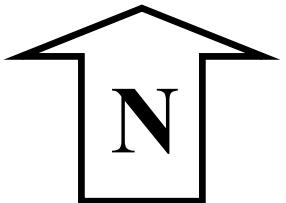
No photos are available.



**Well Test Information**

Licence No.:	470	Unique Identifier:	ConocoPhillips Canada Loon Creek 0-06 65-10 127-00	Date Tested:	January 24, 2016
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% LEL	100%
Soil-Gas Test-Site	1

Surface Gas Migration Test (SGMT-AGM)**Soil Testing-Well Site Comments**

Testing performed by ConocoPhillips Canada personnel.





Surface Casing Vent Flow/Gas Migration Data Sheet

The licensee certifies that the information on this sheet is correct and that the vent flow or gas migration repairs will be done according to regulatory requirements or as directed by the AEUB / SIR.

Day	Month	Year	Your File Number
-----	-------	------	------------------

1 GENERAL INFORMATION AND CERTIFICATION

LICENSEE	ConocoPhillips Canada		Licensee Code
AGENT	N/A	<input checked="" type="checkbox"/>	Agent Code
CONSULTANT	N/A	<input type="checkbox"/>	Consultant Code
CONTACT PERSON	Brad Johnston		
TELEPHONE	Business	(780) 871-4668	Fax (780) 808-8883

2 WELL TEST INFORMATION

LICENCE	UNIQUE	ConocoPhillips Canada	DATE
NUMBER	470	IDENTIFIER	Loon Creek 0-06 65-10 127-00
			TESTED Jan. 24, 2016

3 SURFACE CASING VENT FLOW TEST DATA

3.1 Vent Flow Exists Yes No _____
 If yes Complete the rest of this section
 Serious Non-Serious

3.2 Test Type (e.g., bubble test, others): _____

3.3 Type of Flow: Gas Oil Salt Water Others (Please specify) _____
 The flow is: Sweet Sour

3.4 Casing Information:
 Surface Casing Depth: _____ m Size: _____ mm Grade: _____ Weight: _____ Kg/m³
 Production Casing Depth: _____ m Size: _____ mm Grade: _____ Weight: _____ Kg/m³

3.5 Cementing Details:
 Cement Tops _____ m Logged Yes No Estimated (from logs, tour books)
 Describe cementing details (e.g., types, blends, specifications) _____

3.6 Vent Flow Data:
 Leak-off Pressure Gradient: _____ kPa/m Flow Rate: _____ m³/d (If flow not measured, fill in TSTM, (too small to measure))
 Stabilized Build-up kPa Duration: _____ Hrs
 Pressure:
 Source of Flow: _____ m (depth)
 Determined by (log type, Carbon Isotope, etc) Energy Forensics

3.7 Ground Water Information:
 Depth of Usable Water Aquifers: _____ m
 Nearest Water Well: _____ km

Tested By: ConocoPhillips Canada Personnel
 Please Print Name _____ Signature _____





Natural Gas Characterization NGC-1 & NGC-2

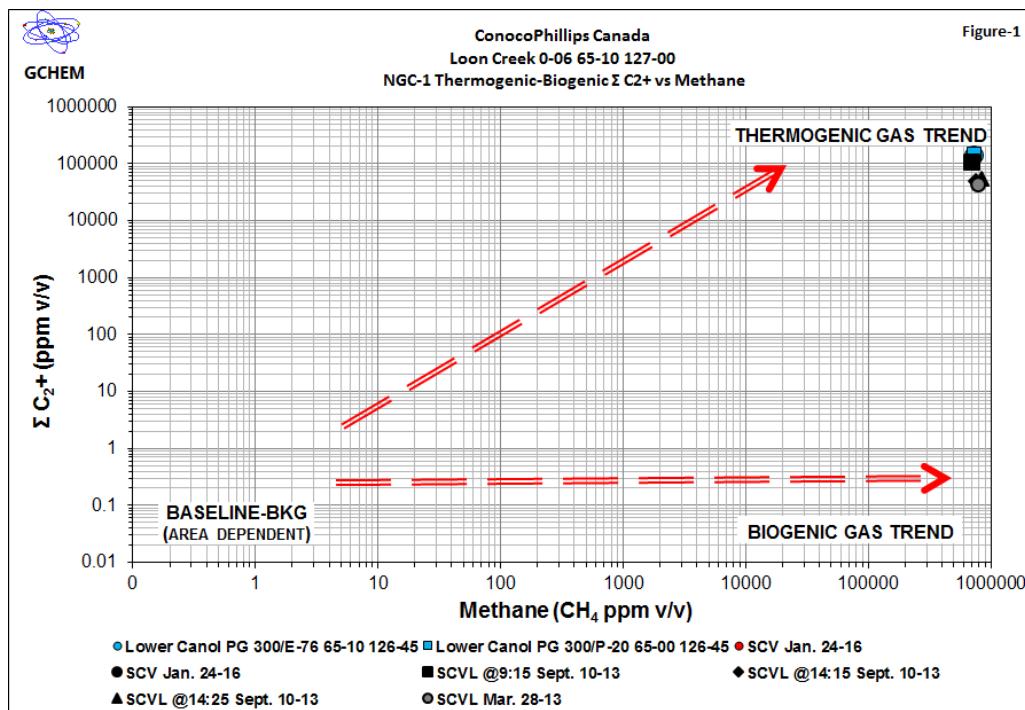


FIGURE-2: C_2 vs. ΣC_6+ : C_6+ gases are relatively large molecules that do not readily or easily migrate in large quantities from depth upwards thru subsurface fractures or micro-fractures to surface.

Contamination by oil spills, fuels, and solvents is indicated by soil vapour samples that have high contents of C_6+ compounds and plot in the Lower RH Quadrant.

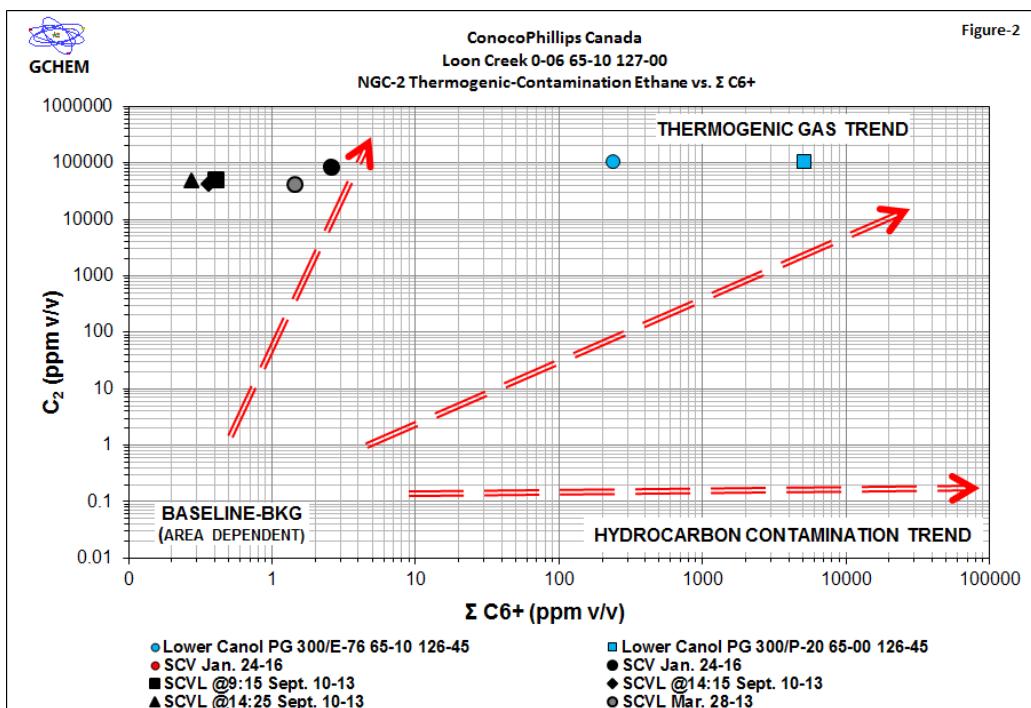
Samples plotting in the Lower LH and RH Quadrants of Fig-1 and Fig-2 do not contain evidence of either SCVF or AGM and would not require down-hole repair operations.

FIGURE-1: NGC-1 Sum C_2+ vs Methane. Combustible gases detected in soils and SCV's at a wellhead may result from several origins. Natural gases indicative of SCVF or AGM are thermogenic in origin (natural gas in deep reservoirs), contain high methane and C_2+ contents and plot in the Upper RH Quadrant.

Low natural gas levels in background, off lease areas are naturally present in soils, vary from region to region and plot in the Lower LH Quadrant (BASELINE).

Biogenic gases (swamp-gas) are produced by bacteria, are comprised of predominantly methane and plot in Lower RH Quadrant.

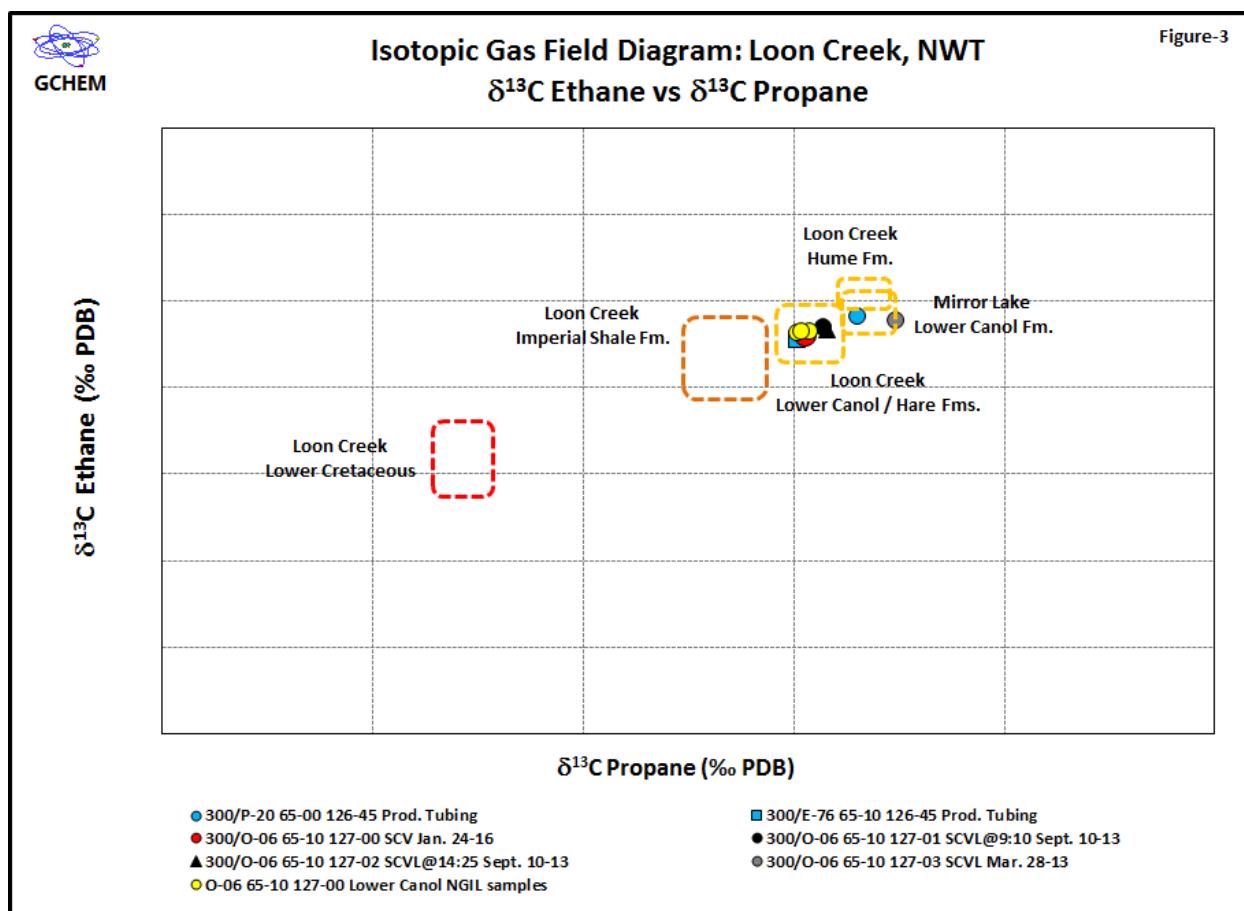
Samples plotting in the Lower LH and RH do not contain SCVF or AGM and would not require down-hole remediation.



Gas Characterization Diagram Comments

- 1) Light alkane gas levels in the surface casing vent are elevated compared to expected baseline values.



Figure-3 Isotopic Gas Field Diagram (IGFD)

Once gases have been identified as related to SCVF or AGM the geological source may be identified. As molecular and carbon isotope compositions change systematically with increased depth, discrete geological intervals are shown to have unique isotopic characteristics. Thermogenic gases collected at surface in soils or SCV's may be compared to this template of subsurface gas compositions (Natural Gas Isotope Logs -NGILs) and their geologic source is identified. Best results are achieved when NGILs, for correlation, are established in the immediate area.

Isotopic Gas Field Diagram (IGFD) Comments

- 1) Fugitive natural gas at this wellbore is isotopically similar to natural gas originating from the Mid Devonian Canol Formation.



TABLE-1 Analytical Results
(normalized ‘as-received’”)

Gas Component	Lower Canol PG 300/E-76 65-10 126-45 (ppm v/v)	Lower Canol PG 300/P-20 65-00 126-45 (ppm v/v)	SCV Jan. 24-16 (ppm v/v)	SCVL @9:15 Sept. 10-13 (ppm v/v)	SCVL @14:15 Sept. 10-13 (ppm v/v)	SCVL @14:25 Sept. 10-13 (ppm v/v)	SCVL Mar. 28-13 (ppm v/v)
Hydrogen	629.5	619.8	4630	28505	25740	28626	83304
Helium	66.27	70.60	8721	173.8	155.1	175.00	1.91
Nitrogen	73403	59006	132056	50960	125544	49206	76801
Oxygen	23432	20840	36520	23324	38821	21661	13883
Carbon Dioxide	6489	13144.0	363.4	189.3	106.4	258.4	<0.01
Methane	751280	748323	713548	841873	760347	844856	783130
Ethane	100004	100981	82250	48080	43016	48190	41025
Ethene	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	1.26
Propane	30253	30540	18340	6537	5938	6662	1844
Propene	0.11	0.17	0.82	<0.01	<0.01	<0.01	<0.01
iso-Butane	4490	6153	1763	278.7	257.6	282.62	7.10
n-Butane	6667	9104	1750	78.04	73.74	81.62	0.40
iso-Pentane	1629	3235	27.90	0.57	0.58	0.47	0.10
n-Pentane	1416	2781	26.92	0.48	0.45	0.35	0.08
C ₆ +	241.3	5203	2.61	0.41	0.36	0.27	1.46

C1/ΣC2+	5.49	5.32	6.97	15.39	15.51	15.38	18.27
C2/ΣC3+	2.71	2.55	4.09	7.27	7.16	7.15	22.24
C2+	136924	140625	102340	54695	49028	54934	42870
Vol % Lt. Alk.	89.57	90.11	81.77	89.68	80.96	90.01	82.60
Vol % Lt. Alk. CH4	83.87	83.04	87.26	93.87	93.91	93.87	94.81
Vol % Lt. Alk. C2+	16.13	16.96	12.74	6.13	6.09	6.13	5.19

Stable Carbon Isotope Compositions (‰ PDB)							
δ13C CH4	-46.33	-45.09	-46.29	nd	nd	-45.54	-45.62
δ13C C2H6	-32.28	-30.97	-32.06	nd	nd	-31.64	-31.15
δ13C C2H4	nd	nd	nd	nd	nd	nd	nd
δ13C C3H8	-29.89	-28.46	-29.71	nd	nd	-29.20	-27.55
δ13C C3H6	nd	nd	nd	nd	nd	nd	nd
δ13C i-C4H10	-31.25	-29.87	-31.66	nd	nd	-18.16	nd
δ13C n-C4H10	-29.14	-28.05	-27.97	nd	nd	nd	nd
δ13C i-C5H12	-28.48	-27.13	nd	nd	nd	nd	nd
δ13C n-C5H12	-28.30	-27.56	nd	nd	nd	nd	nd
δ13C CO2	-2.99	-2.12	nd	nd	nd	nd	nd

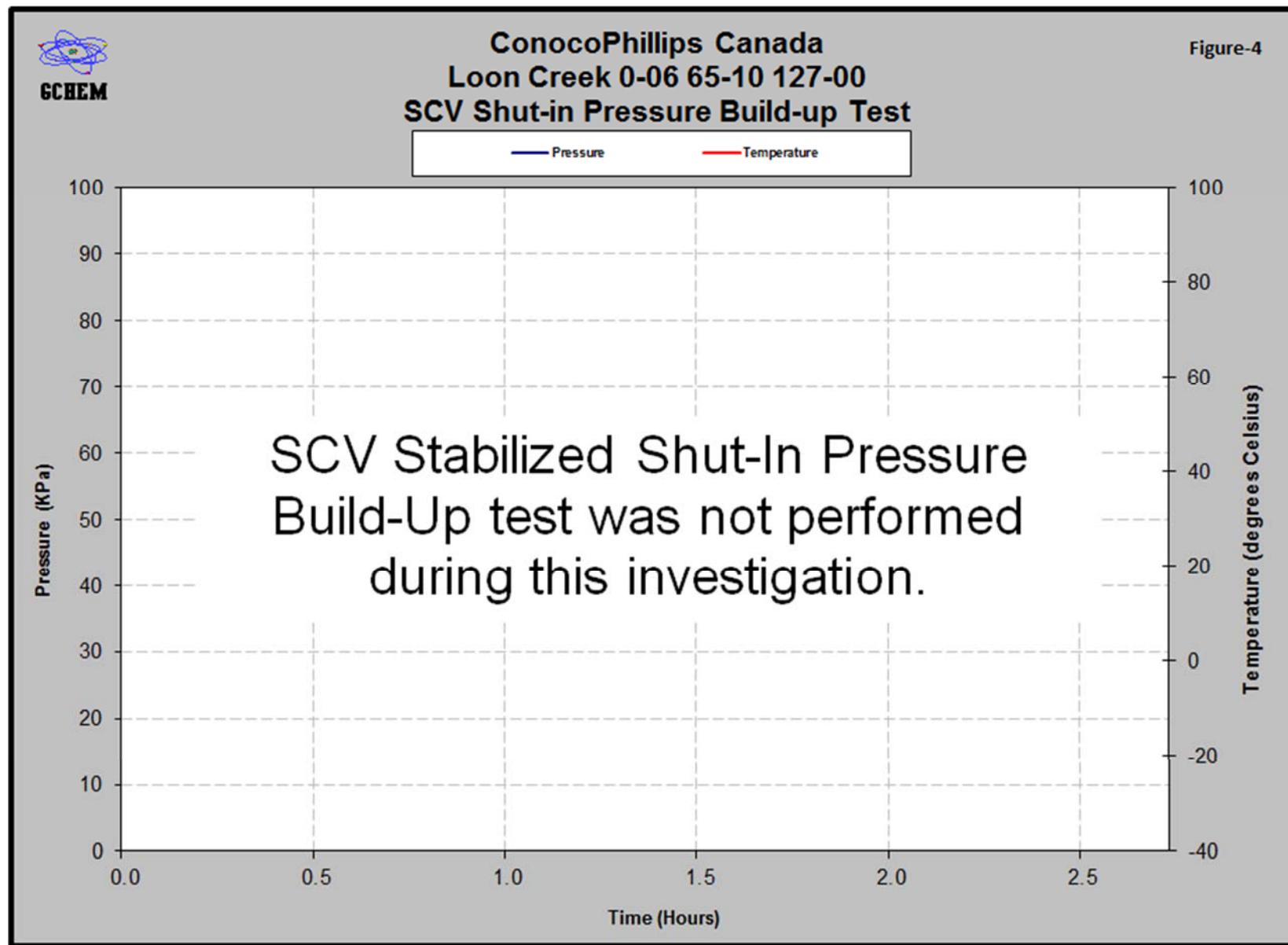
Hydrogen Isotopic Compositions (‰ V-SMOW)							
δD CH4	nm	nm	nm	nm	nm	nm	-208
δD C2H6	nm	nm	nm	nm	nm	nm	-117
δD C3H8	nm	nm	nm	nm	nm	nm	-109
δD i-C4H10	nm						
δD n-C4H10	nm						

14C Concentration (pMC)	nm						
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Figure-4 GCHEM SCV Pressure Data-Logger: Shut-in Pressure Build-up



Appendix 8 SCVF Evaluation

2015-2016 Canol EL-470 O-06 SCVF REPORT



O-06 SCVF Well History Drilling Data (Q1-2013)

- Drilling spud date, Jan 26, 2013.
- Drilling Rig Release date, Feb 20, 2013.
- TD = 1856m KB. Vertical well.
- Drilled with Invert. Very little washout on open hole logs.
- Primary cement job on 177.8mm production casing.
 - 3.4m³ of Mudpush Spacer 1160 kg/m³.
 - 23.55m³ Lead Hi Lite 1400 kg/m³.
 - 9.12m³ Tail Class G 1900 kg/m³.
 - Total loss of returns while displacing the last 10m³ prior to bumping the plug.
 - Based on a total annular volume of 27.75m³ this would place the Mudpush spacer close to surface when returns were lost.
- CPC collected MudGas isotube samples while drilling for analyses.

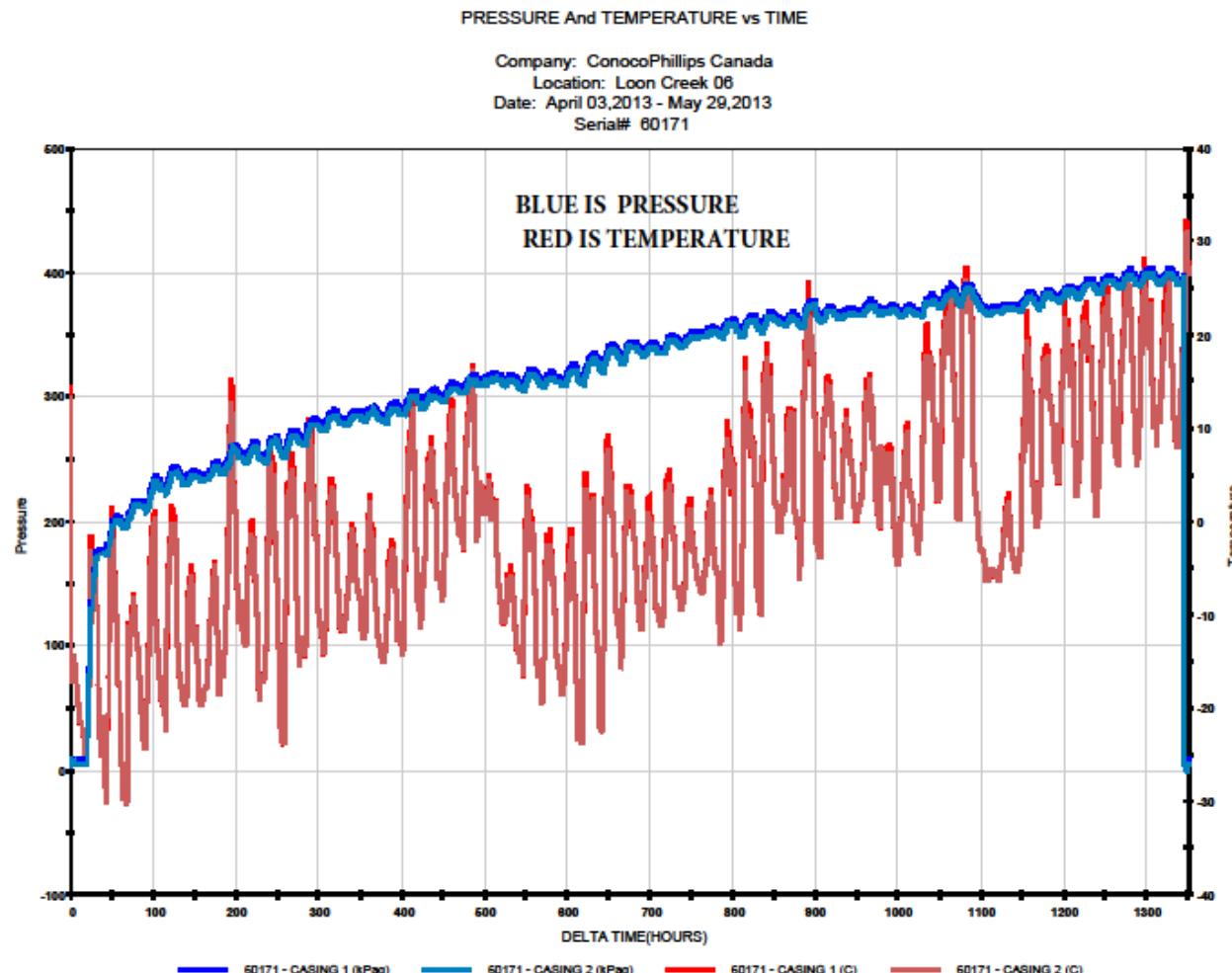
O-06 SCVF Well History Completion Data (Q1-2013)

- Completion operations from Feb 22, 2013 to March 24, 2013.
- Cased hole log ran Feb 26, 2013, Schlumberger Cement Bond Log and USIT Cement Evaluation log.
- Perforated three intervals in the Lower Canol and conducted DFIT to determine reservoir parameters. Intervals were 1769.0-1770.0m KB, 1727.0-1728.0m KB and 1692.0-1693.0m KB. All intervals were isolated with casing patches after completion.
- February 26, 2013 Bubble test on SCV passed.
- March 24, 2013 Bubble test failed.
- Arranged to test the SCVF flow.

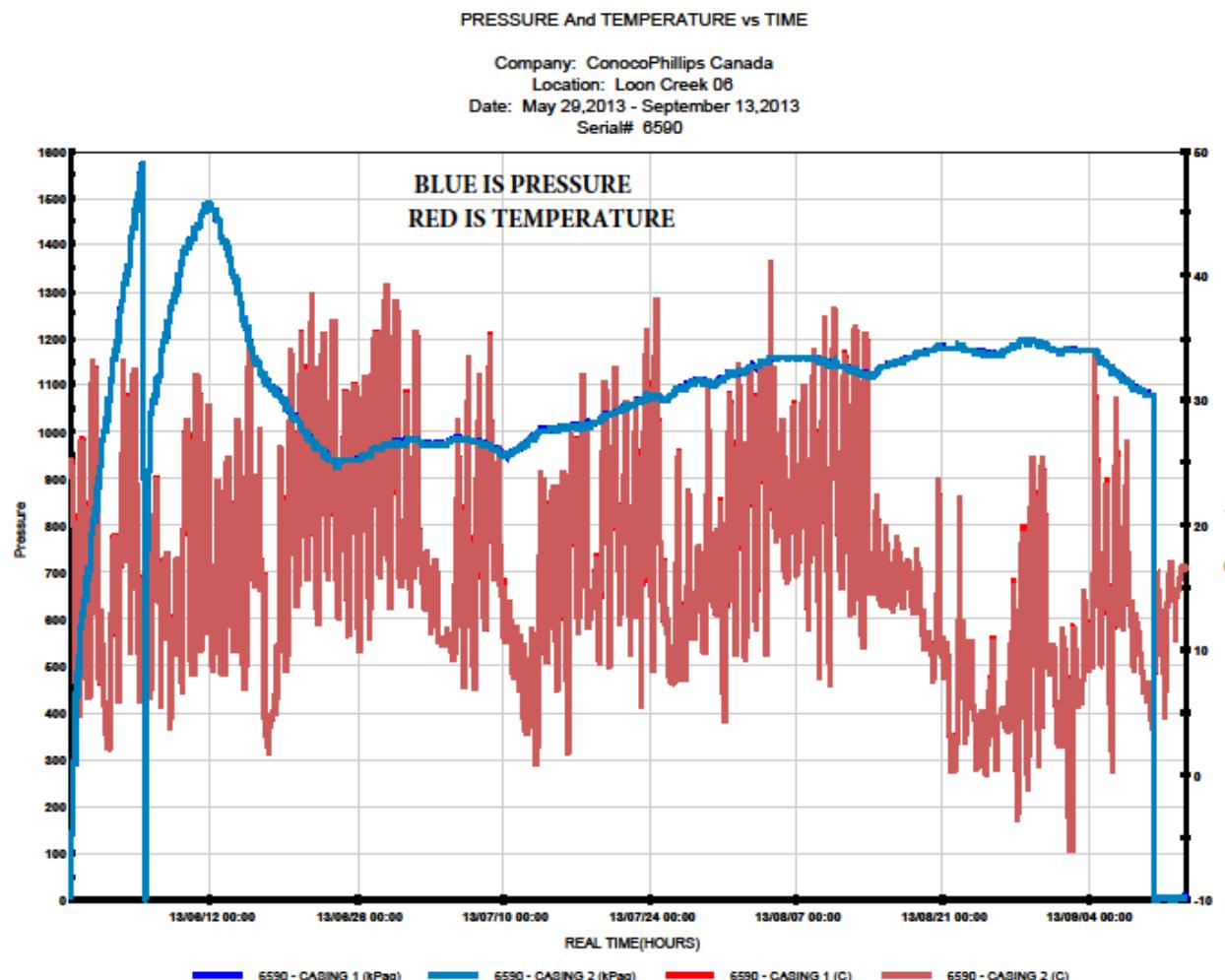
O-06 SCVF Well History Initial SCVF Testing (Q1-2014)

- April 3, 2013. Installed P.D. meter for 24 hour flow and recorded 2.85 m³/day.
- Recorded build up with electronic gauges from April 4, 2013 to May 29, 2013. 400 Kpa build up. Removed these gauges and installed 10 MPa recorders.
- Lonkar electronic gauges recorded build up from May 29, 2013 to September 10, 2013. Maximum pressure = 1500 kPa. Final buildup pressure just under 1100 kPa.
- March 28, 2013 took G-Chem samples for isotope analyses. G-Chem indicates potential source between 1790-1815m.
- September 11, 2013 took G-Chem gas samples for isotope analyses. G-Chem data indicates potential source between 1679-1804m. These gases have become slightly lighter (younger/shallower)since the March 2013 analyses.
- September 11, 2013 removed Lonkar recorders and installed Roke VentNanny and allowed SCV to flow.
- VentNanny recorded flow until March 3, 2014. Final rates between 0.7m³/day and 1.0m³/day.

O-06 Lonkar SCVF Pressure Plot (April 3 to May 29, 2013)



O-06 Lonkar SCVF Pressure Plot (May 29 to September 13, 2013)



~Loon Creek O-06 Vent Nanny

Sep 10, 2013

To

Mar 3, 2014



www.roke.ca

O-06 SCVF Well History 2013 G-Chem Results



Bay 1; 4810-62 Avenue
Lloydminster, AB T9V 2E9
Tel: (780) 871-4668
Fax: (780) 808-8883
e-mail: info@gchem.ca

Source determination of fugitive gases using ENERGY Forensics
Test Date: September 10, 2013

Company ConocoPhillips Canada
Well Name Loon Creek 0-06 65-10 127-00

Well Status Summary

SCV	Test performed by CPC personnel
Isolated CB %LEL/H ₂ S (ppm v/v)	N/A
10-minute Bubble-Test (>100s/10min)	N/A
CB Flow Rate (m ³ /day)	N/A
24 Hr. Shut-in Pressure (kPa)	N/A
**Stabilized Build-Up Time (hrs)	N/A
**Stabilized Build-Up Pressure (kPa)	N/A
SCVF	Surface Casing Vent
SCVF	Positive Combustible Gas Flow in Surface Casing Vent
%LEL	Lower Explosive Limit (5% - 15% Explosive Gases in Air)

Soil:	Test performed by CPC personnel
# Soil Sites Tested	N/A
# Soil Sites > 0 %LEL	N/A
# Soil Sites = 0 %LEL	N/A
MAX %LEL	N/A
Gas Classification	N/A
% H ₂ S*	N/A
* N ₂ O from Gas-Tech 402 GSL Field Meter	
** SGV Data Logger (Refer to Fig 4, If measured)	
*** not measured at clients request	

Table 1: Interpreted Source of Migrating Gases (measured depth from kelly bushing of the well)

Sample Point	Geologic Formation	Depth Range	Source Depth	Confidence (1=low to 5=high)
SCVF	Mid Devonian - Givetian	1679m to 1804m	1679m to 1804m	3

Sampling and Testing Comments

- 1) Natural gas samples from the surface casing vent were collected by ConocoPhillips personnel and forwarded to GCHEM Ltd. for analysis, characterization, classification, and geologic source determination.

Source Identification Comments

- 1) The chemical and isotope compositions of natural gases in the surface casing vent were compared to the chemical and isotope compositions of natural gases evolved from drilling fluid while the well was being drilled (see ConocoPhillips Evolved Drilling Fluid Gas isotope Logging and Isotech Labs analytical).
- 2) The light alkane gas compositions of the surface vent natural gas do not match any evolved gas compositions.
- 3) Natural gas in the surface casing vent is isotopically similar to natural gas originating from the Mid Devonian - Givetian Lower Canol, Hare Indian, and/or Bluefish Member at the depths provided above (Table 1).
- 4) The isotope compositions of fugitive gases have become slightly lighter since the March 28, 2013 investigation.

Recommendations

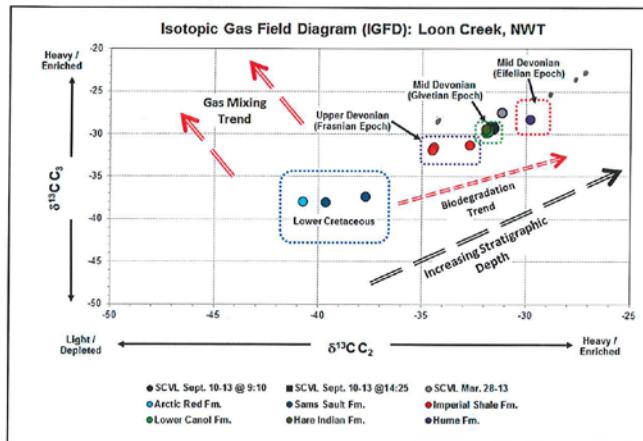
- 1) If more evolved gas samples were analyzed a more concise migrating gas source interval may be provided.
- 2) From a gas migration perspective the well will require down-hole repair to prevent leaking natural gas from migrating to surface prior to abandonment.



ConocoPhillips Canada Loon Creek 0-06 65-10 127-00

ENERGY-FORENSICS

Figure-3 Isotopic Gas Field Diagram (IGFD)



Once gases have been identified as related to SCVF or AGM the geological source may be identified. As molecular and carbon isotope compositions change systematically with increased depth, discrete geological intervals are shown to have unique isotopic characteristics. Thermogenic gases collected at surface in soils or SCV's may be compared to this template of subsurface gas compositions (Natural Gas Isotope Logs -NGILs) and their geologic source is identified. Best results are achieved when NGILs, for correlation, are established in the immediate area.

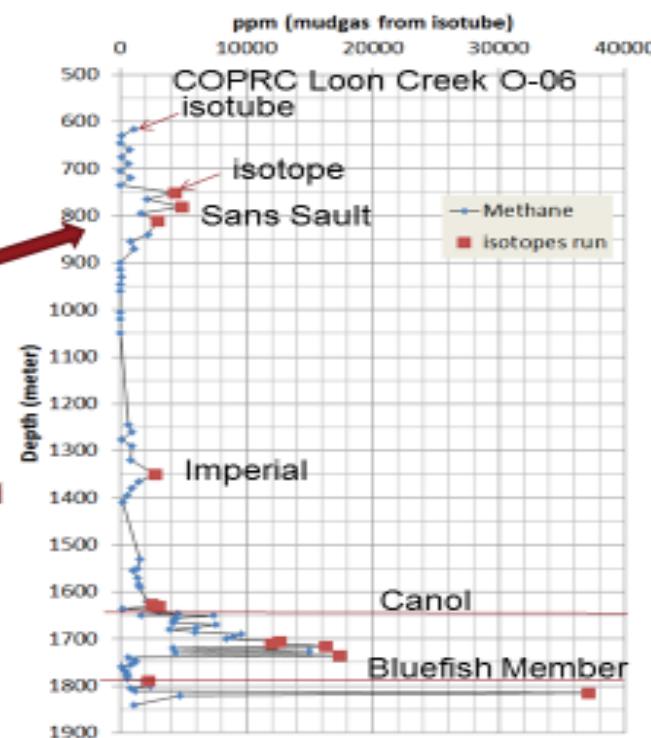
Isotopic Gas Field Diagram (IGFD) Comments

- 1) Fugitive natural gas at this wellbore is isotopically similar to natural gas originating from Mid Devonian aged sediments.

O-06 SCVF History Isotube Data While Drilling

Data while drilling

- Mudgas isotube (84) data
- Stable carbon/hydrogen isotopes (12)
- Shallow samples contain biogenic gas
- Deeper samples are thermal maturity of 0.9-1.2 %Ro
- Based on nearly identical stable carbon isotopes and normalized hydrocarbon gas composition, SCVL gas does not appear to be biogenic, but thermogenic similar to the Canol gases at 1705 m and deeper.



O-06 SCVF Well History MicroSeismic Operations (Q1-2014)

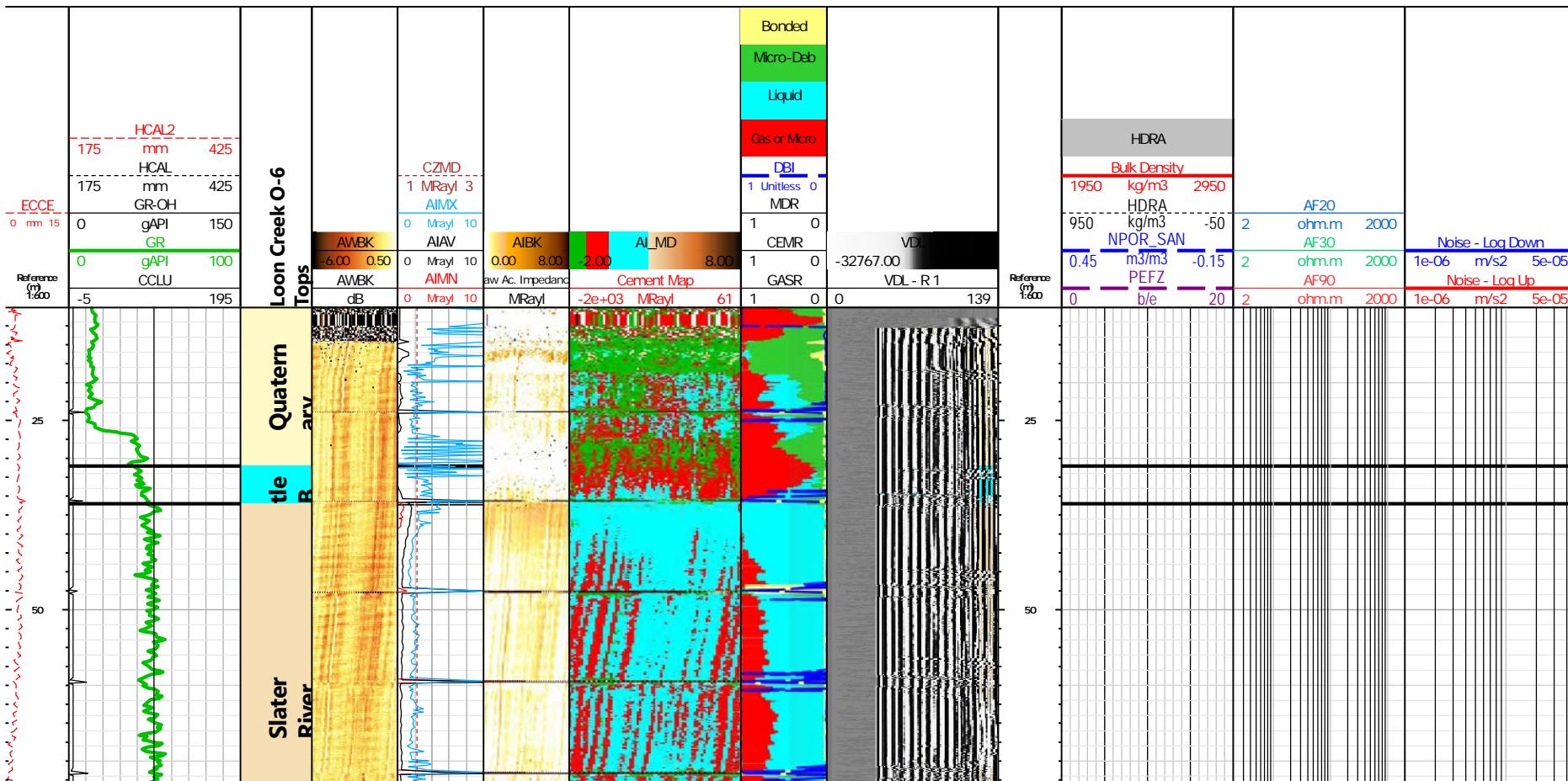
- Jan 30, 2014 to Feb 17, 2014 conducted operations to use this well bore to monitor micro seismic while hydraulic fracturing operations were conducted at the E-76 horizontal well.
- Took the opportunity and used geophone array noise log on the O-06 wellbore to help identify SCVF source. Geophones were run in Feb 4, 2014 for vent identification and then left in hole to monitor for micro seismic operations while fracking the E-76 horizontal well. Then after fracking, more vent flow data points were taken prior to pulling the geophones. There was 12 days and frack operations between data points.
- Could not log to PBTD because of bridge plugs in the wellbore.
- Log indicated potential noise sources in the Imperial Sand between 1260 to 1360m.

Well(s): **COPRC LOON CREEK 0-6**

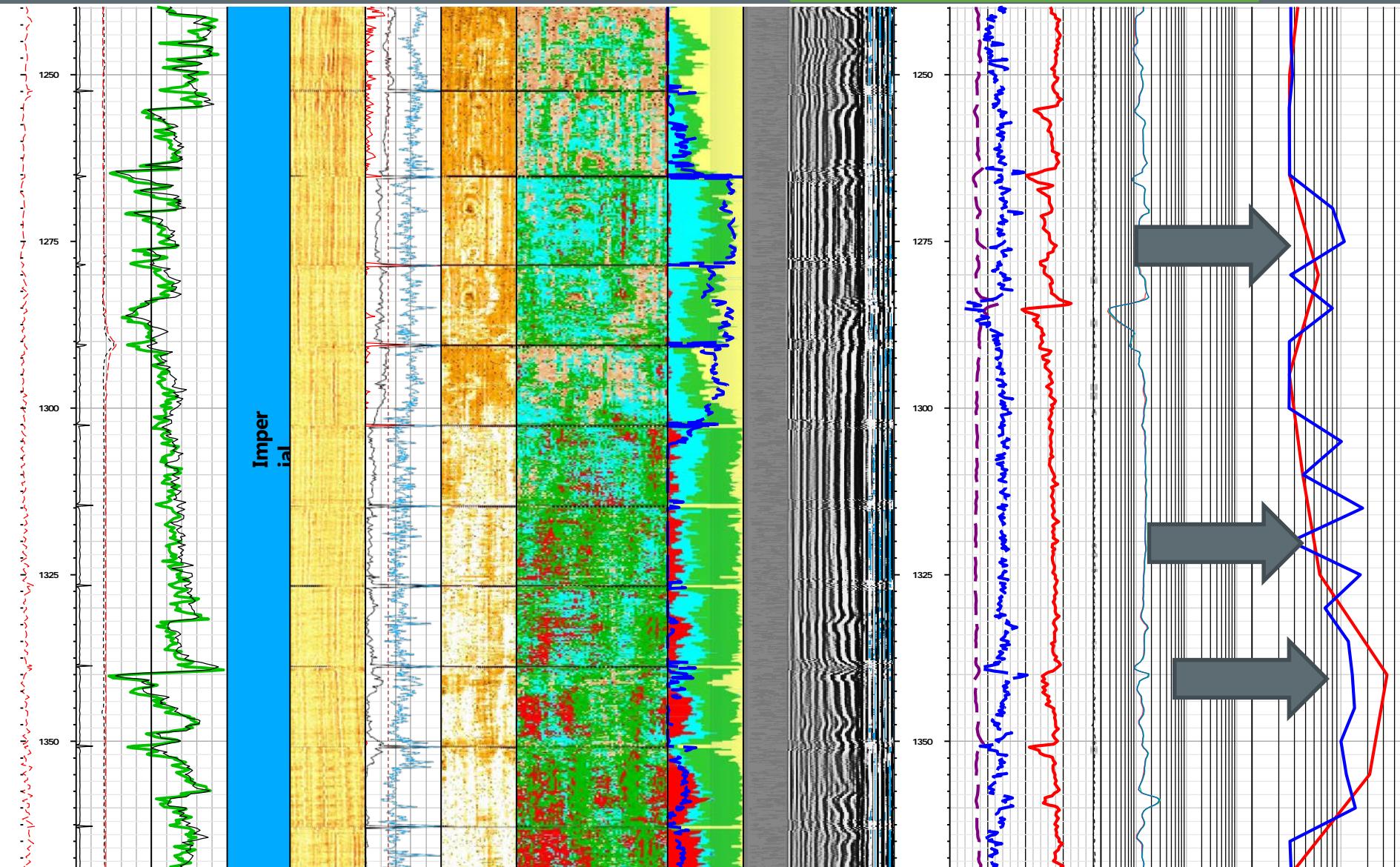
Project: WIAP-NTT-Nov-Metric
Dataset(s): USI SONIC_010PUP_60B,RUN_2,USI SONIC_010PUP_30B,Up,Down
Scale: 1:

COMPOSITE LOG HEADER INFORMATION

Author: **Don REINHEIMER**
(ID: **dreinheimer**)
Date: **3/31/2015**



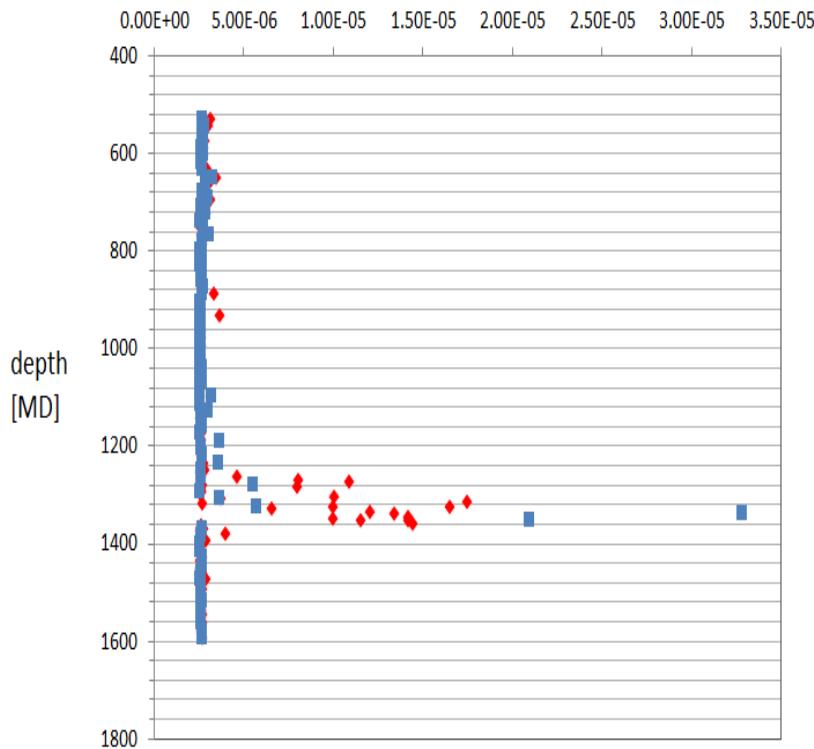
COPRC LOON CREEK O-06 COMPOSITE LOG
WITH GEOPHONE NOISE ARRAY. ARROWS
INDICATE SOME NOISE ANOMALIES.



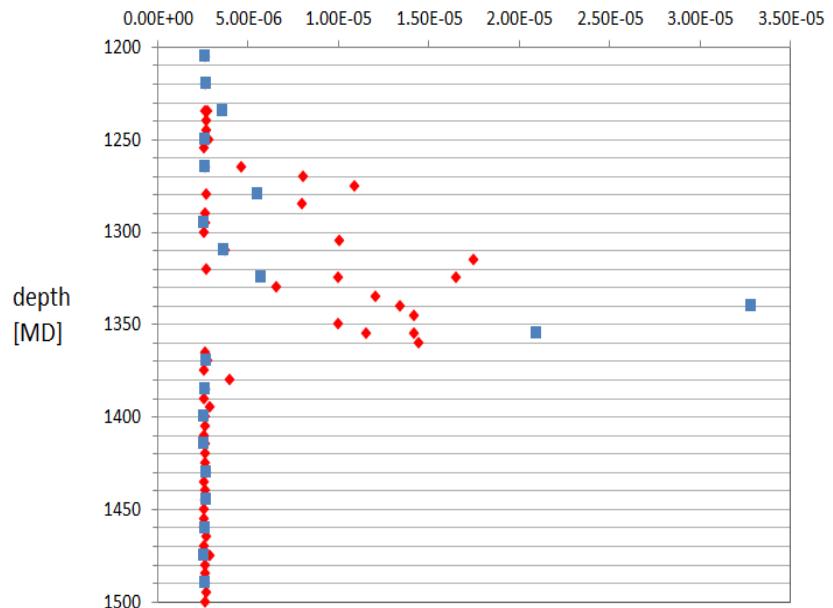
O-06 SCVF Schlumberger Geophone Noise Log Data

SCHLUMBERGER GEOPHONE NOISE LOG DATA LOGGED FEBRUARY 5, 2014.

median RMS sum (x,y,z) for 1 - 2 minutes noise measurement [m/s²]



median RMS sum (x,y,z) for 1 - 2 minutes noise measurement [m/s²]

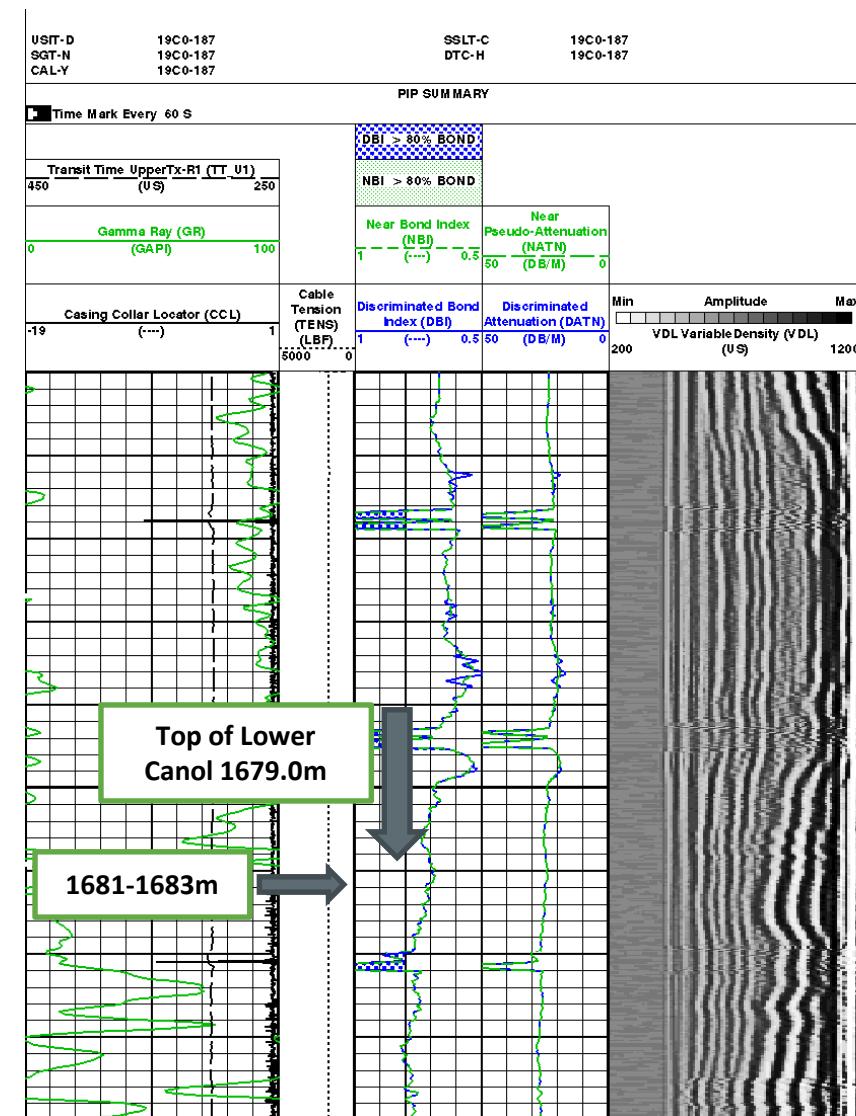
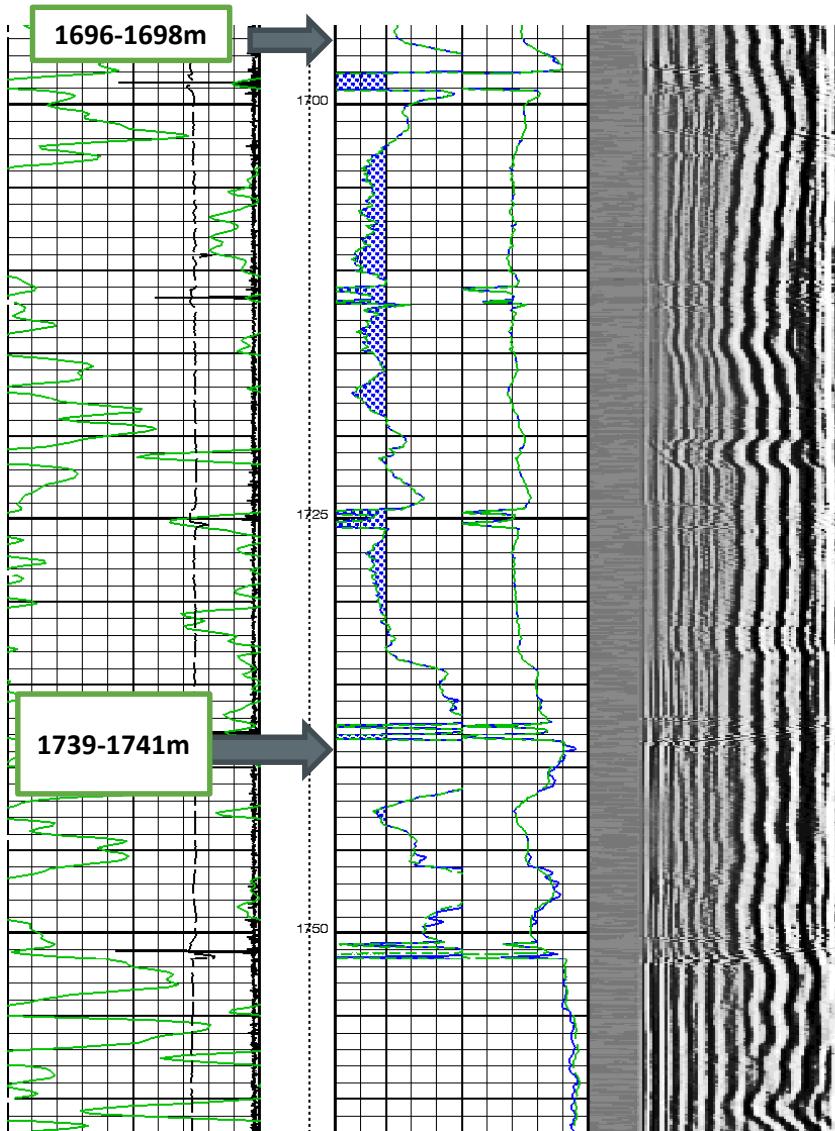


Station stops from 529 to 829m, 544-874m, 890-1220m, 905-1235m, 1250-1580m and 1265-1595m.

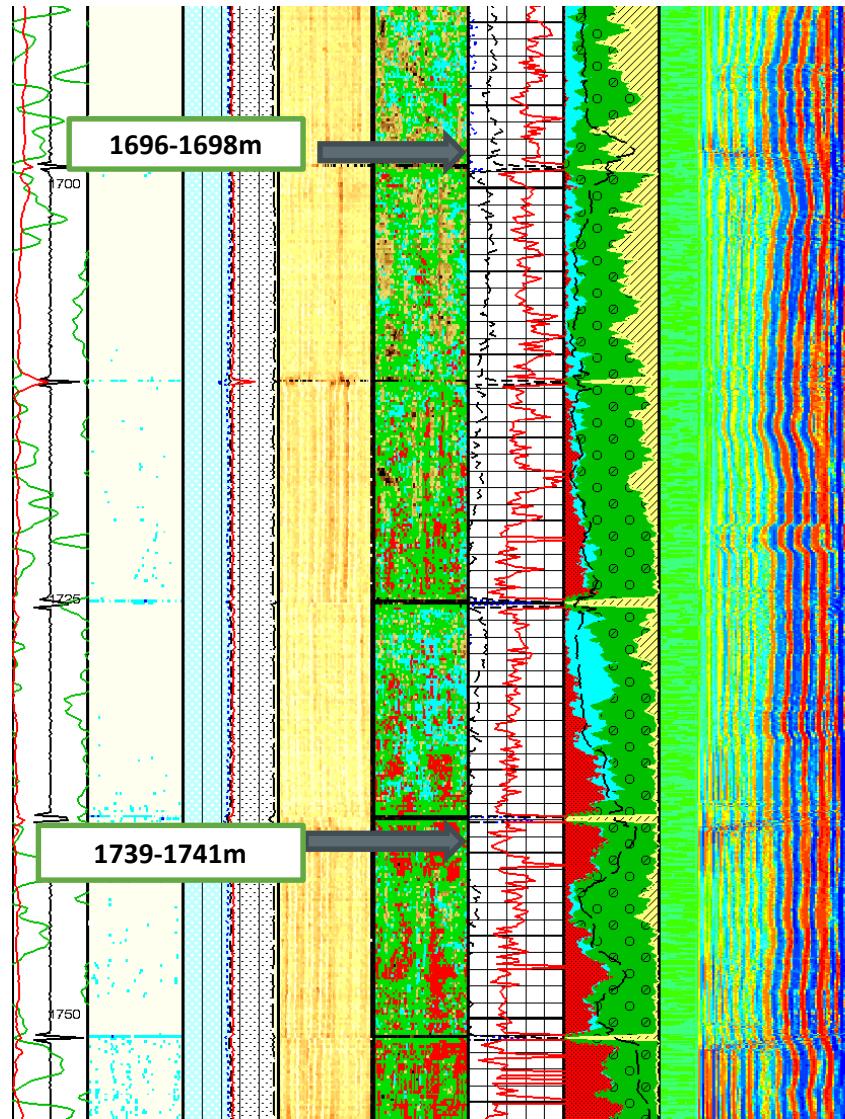
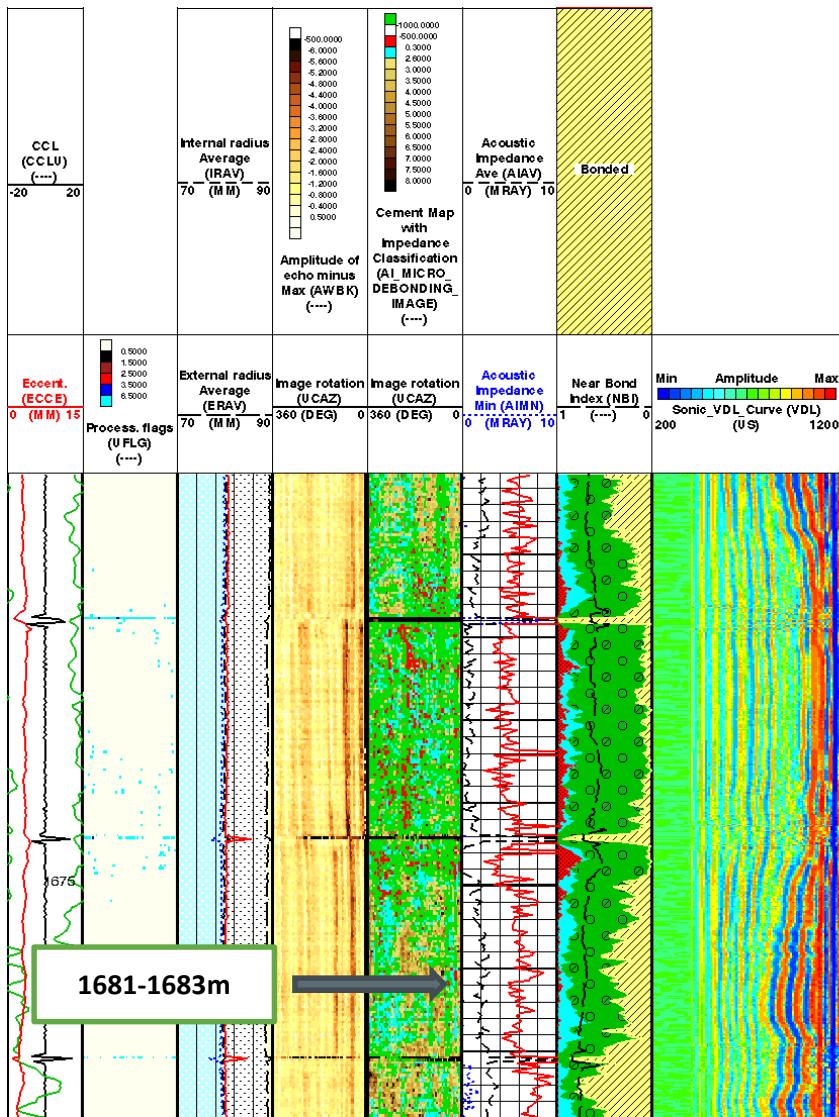
O-06 SCVF Original Program Prior to Q1-2016 Operations Start

- Interval #1. Lower Canol 1739.0-1741.0, 1696.0-1698.0 and 1681.0-1683.0m KB. Lower Canol picked because it is the G-Chem source and CPC isotube analyses indicated the same. Noise log was not run to this depth. 1739.0-1741.0 and 1696.0-1698.0m KB have area of poor bond. 1681.0-1683.0m KB area is 60 to 70% bond index.
- Interval #2. Imperial Sand. 1355.0-1359.0m KB. Picked because of large noise anomaly on geophone noise log. 70% bond index. USIT shows gas storage. CPC isotube analysis of the evolved gases while drilling indicate that gas from this depth is a mixture of lower and higher maturity thermogenic gas (more mature than expected).
- Interval #3. Imperial Sand. 1339.0-1342.0m KB. Picked because of large noise anomaly on geophone noise log. 80 to 90% bond index. USIT shows gas storage.
- Interval #4. Imperial Sand. 1265.0-1269.0m KB. Area of noise anomaly on geophone array noise log. Area of very poor bond. USIT however does not show gas storage.

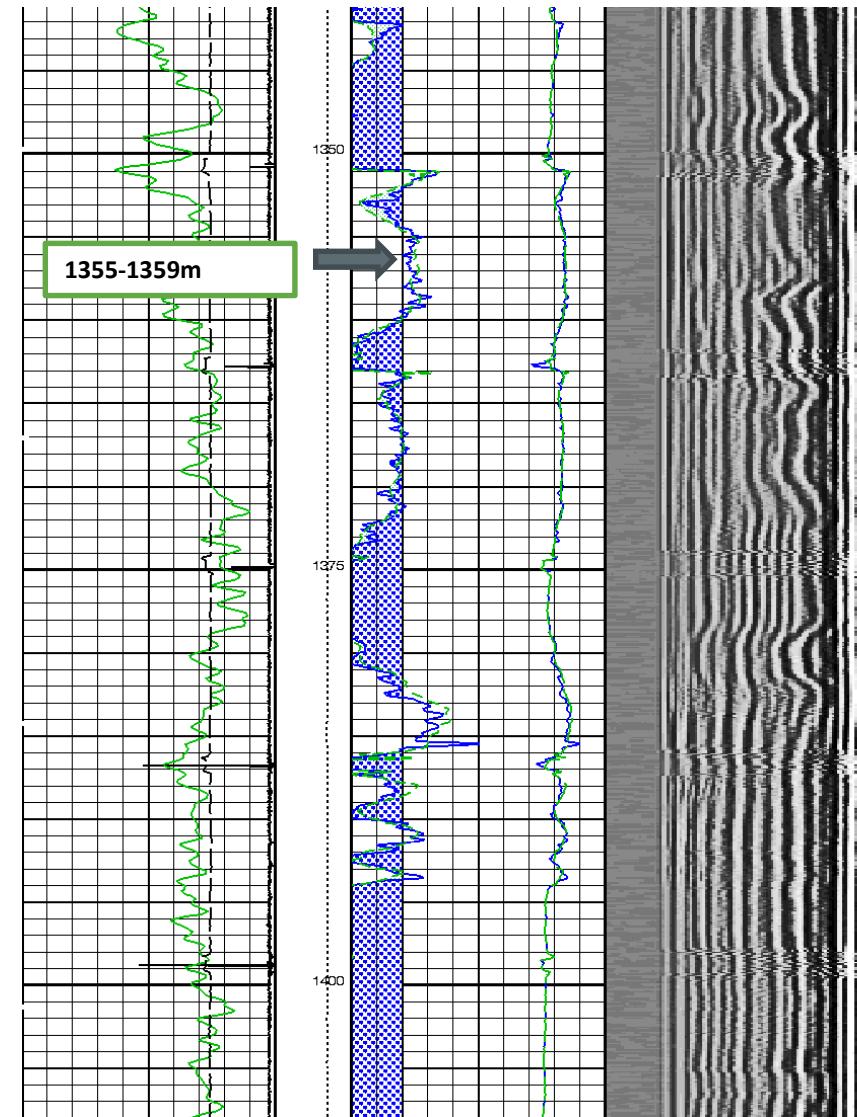
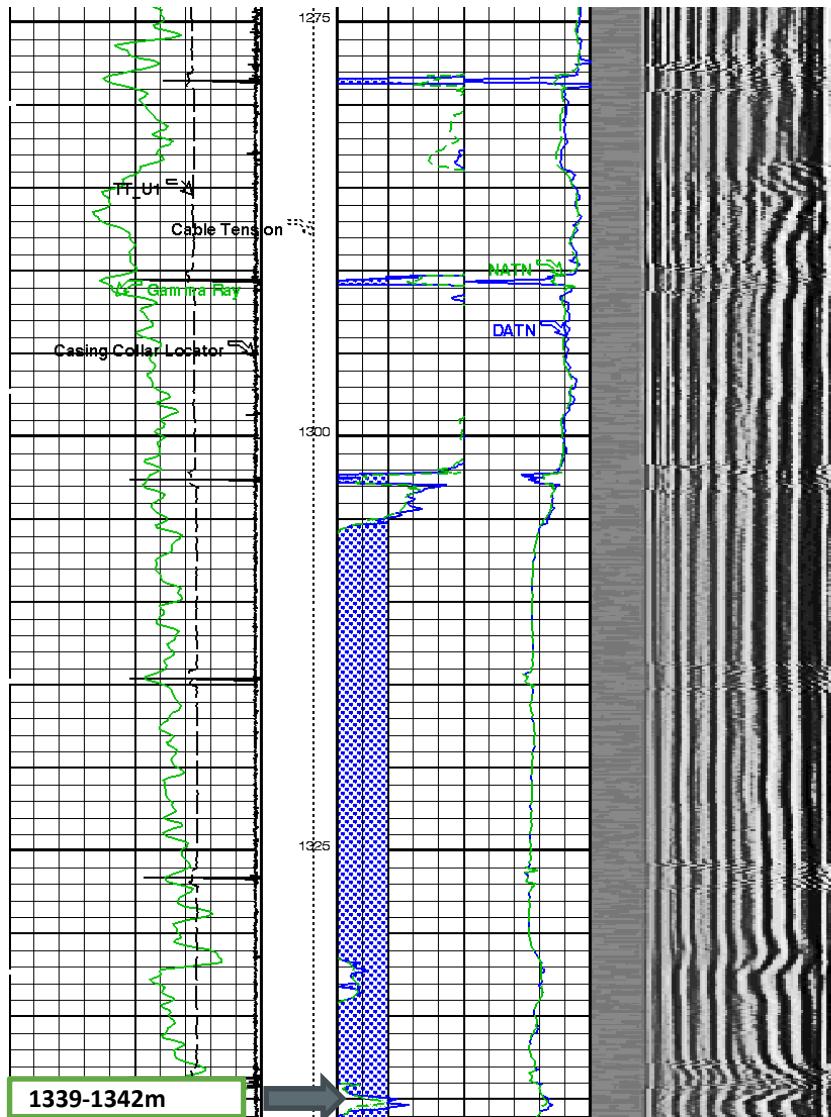
0-06 SCVF CET Over Lower Canol Intervals



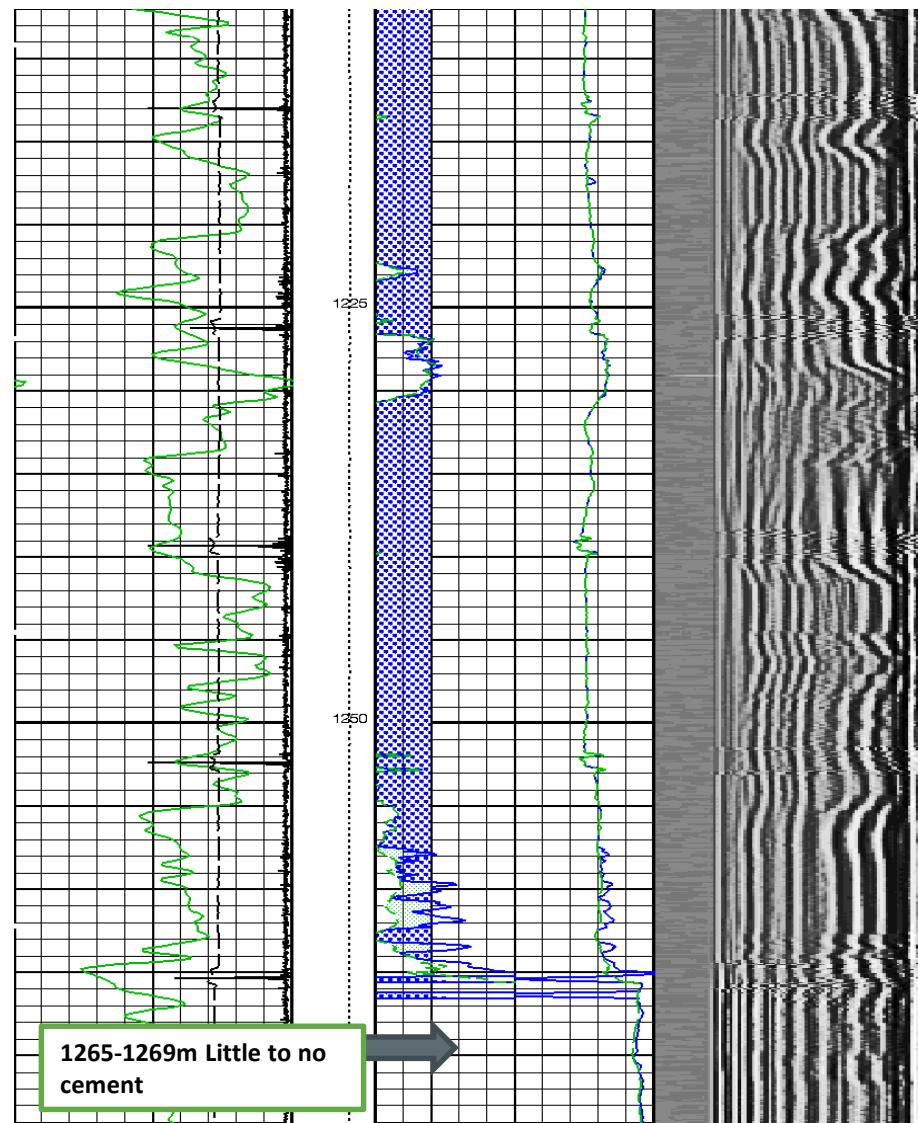
0-06 SCVF Cement Evaluation USIT Log Lower Canol



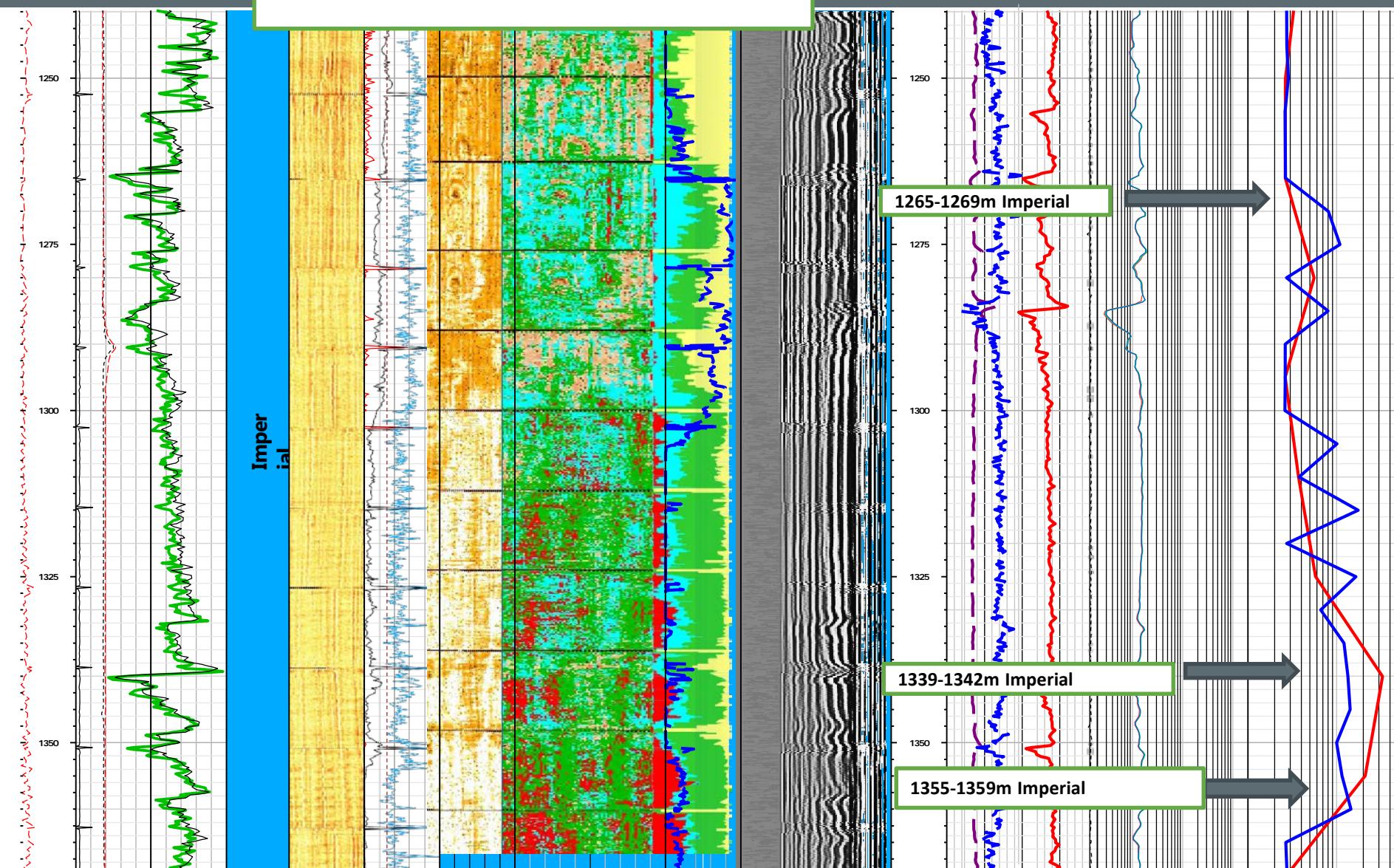
0-06 SCVF Imperial Sand Intervals on Original Bond Log



0-06 SCVF Imperial Sand 1265-1269m Original Bond Log

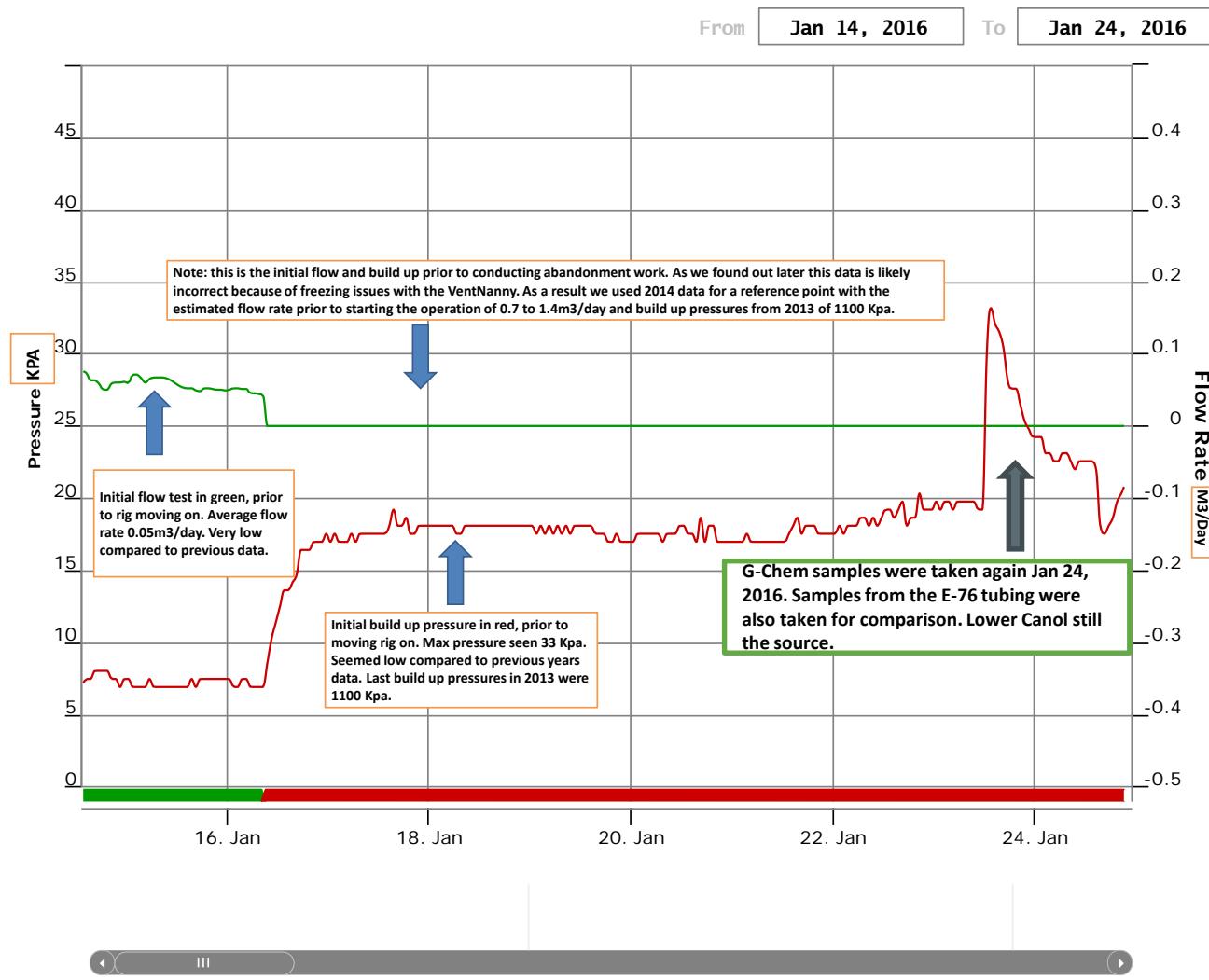


COPRC LOON CREEK O-06 COMPOSITE LOG VIEW
SHOWING AREAS OF INTEREST.



VentNanny Initial Flow and Buildup 2016.

Loon Creek O-06 (2016) Vent Nanny



O-06 January 24, 2016 G-Chem Data



Bay 1; 4810-62 Avenue
Lloydminster, AB T9V
Tel: (780) 871-4668
Fax: (780) 808-8883
e-mail: info@gchem.ca

Source determination of fugitive gases using ENERGY Forensics

Company ConocoPhillips Canada
Well Name Loon Creek 0-06 65-10 127-00

Well Status Summary

SCV	Test performed by CPC personnel
Isolated CB %LEL/H ₂ S (ppm v/v)	N/A
10-min. Bubble-Test (>fbub/10 min)	N/A
CB Flow Rate (m ³ /day)	N/A
24 hr. Shut-in Pressure (kPa)	N/A
***Stabilized Build-up Time (hrs)	N/A
***Stabilized Build-up Pressure (kPa)	N/A
SCV-F	Surface Casing Vent
SCV-F	Positive Combustible Gas Flow in Surface Casing Vent
14.6L	Lower Explosive Limit (4.5% - 15% Explosive Gases in Air)

Soils:	Test performed by CPC personnel
# Soil Sites Tested	N/A
# Soil Sites > 0 %EL	N/A
# Soil Sites = 0 %EL	N/A
MAX %EL	N/A
Gas Classification	N/A
% H ₂ S	N/A
** H ₂ S from Gas Tech 402 %EL Field Meter	
** SCV Data Logger (Refer to Fig. 4 if measured)	
*** not measured at clients request	

Table 1: Interpreted Source of Migrating Gases (measured depth from kelly bushing of the well)

Sample Point	Geologic Formation	Depth Range	Source Depth
SCVF	Mid Devonian - Givetian Lower Canol Fm.	1679m to 1804m	1679m to 1804m

Sampling and Testing Comments

1) Natural gas samples from the surface casing vent were collected by ConocoPhillips personnel and forwarded to GCHEM Ltd. for analysis, characterization, classification, and geologic source determination.

Source Identification Comments

January 24, 2016

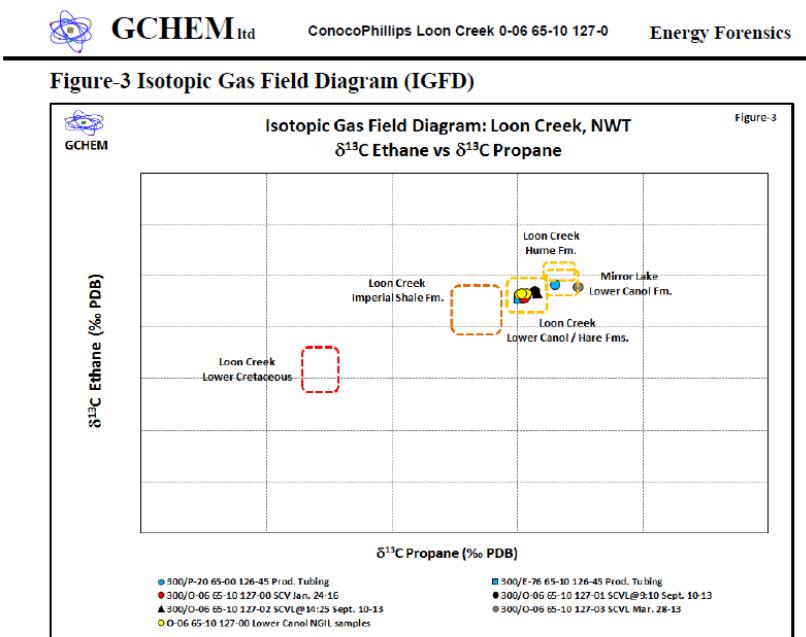
January 24, 2016
1) Natural gas in the surface casing vent is chemically and isotopically similar to natural gas originating from the Lower Canail Formation (Mid-Devonian Givetian).
2) This geologic source is consistent with the surface casing samples from September 2013.

September 10, 2013

- 1) The chemical and isotope compositions of natural gases in the surface casing vent were compared to the chemical and isotope compositions of natural gases evolved from drilling fluid while the well was being drilled (see ConocoPhillips Evolved Drilling Fluid Gas Isotope Logging and IsoTech Labs analytical).
- 2) The light alkanes gas compositions of the surface vent natural gas do not match any evolved gas compositions.
- 3) Natural gas in the surface casing vent is isotopically similar to natural gas originating from the Mid Devonian – Givetian Lower Canol, Hare Indian, and/or Bluefish Member at the depths provided above (Table 1).
- 4) The isotope compositions of fugitive gases have become slightly lighter since the March 28, 2013 investigation.

Recommendations

- 1) If more evolved gas samples were analyzed a more concise migrating gas source interval may be provided.
- 2) From a gas migration perspective the well will require down-hole repair to prevent leaking natural gas from migrating to surface prior to abandonment.



Once gases have been identified as related to SCV or AGM the geological source may be identified. As molecular and carbon isotope compositions change systematically with increased depth, discrete geological intervals are shown to have unique isotopic characteristics. Thermogenic gases collected at surface in soils or SCV's may be compared to this template of subsurface gas compositions (Natural Gas Isotope Logs -NGLs) and their geological source is identified. Best results are achieved when NGI's, for correlation are established in the immediate area.

Isotopic Gas Field Diagram (IGFD) Comments

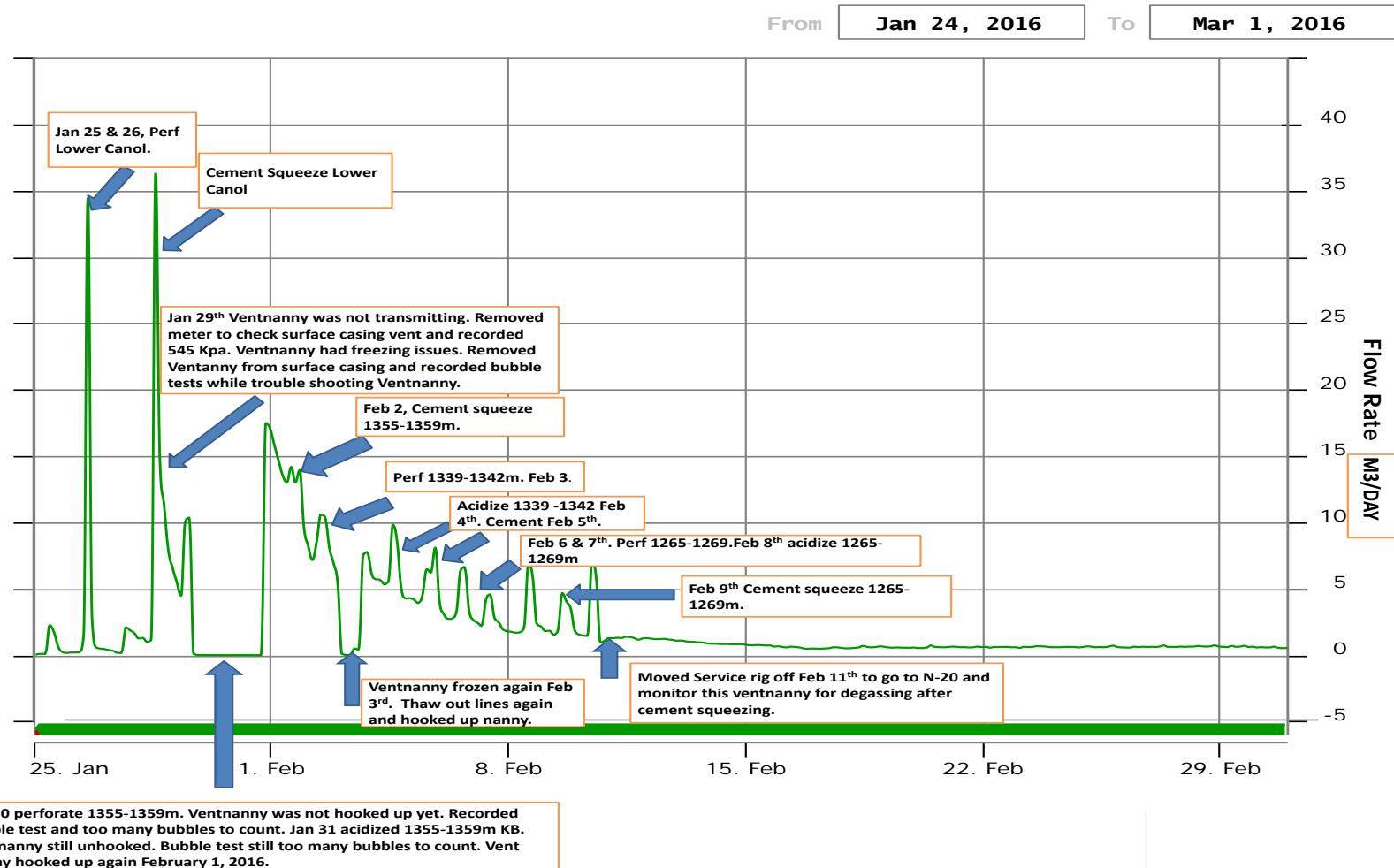
1) Fugitive natural gas at this wellbore is isotopically similar to natural gas originating from the Mid Devonian Canol Formation.

O-06 SCVF Cementing Summary First 4 Intervals.

- Interval #1 Lower Canol Perforations. 1739.0-1741.0, 1696.0-1698.0 and 1681.0-1683.0m KB. Jan 28, 2016. Balanced 6.2m³ of SqueezeCrete from 1760 to 1460m KB. Squeezed 3.48m³ into perforations. Final pressure 13060 Kpa at 10 L/min.
- Interval #2. Imperial Sand. 1355.0-1359.0m KB. Cement retainer squeeze. Feb 2, 2016. 2.5m³ of SqueezeCrete below retainer. Final squeeze pressure of 9431 Kpa at 9 L/min.
- Interval #3. Imperial Sand. 1339.0-1342.0 m KB. Cement retainer squeeze. Feb 5, 2016. 2.8m³ of SqueezeCrete below retainer. Final squeeze pressure of 10,472 Kpa at 10L/min.
- Interval #4. Imperial Sand. 1265.0-1269.0m KB. Cement retainer squeeze. Feb 9, 2016. 1m³ of SqueezeCrete and 4.6m³ of Class G with Gasblok below retainer. Interval took most of the cement at very low pressures. Tried to hesitate. Final squeeze pressure of 3245 kPa at 10 L/min.
- Service Rig was moved off Feb 11, 2016 to do work at N-20 and monitor VentNanny for results.

VentNanny Flow Data Monitoring First Four Intervals

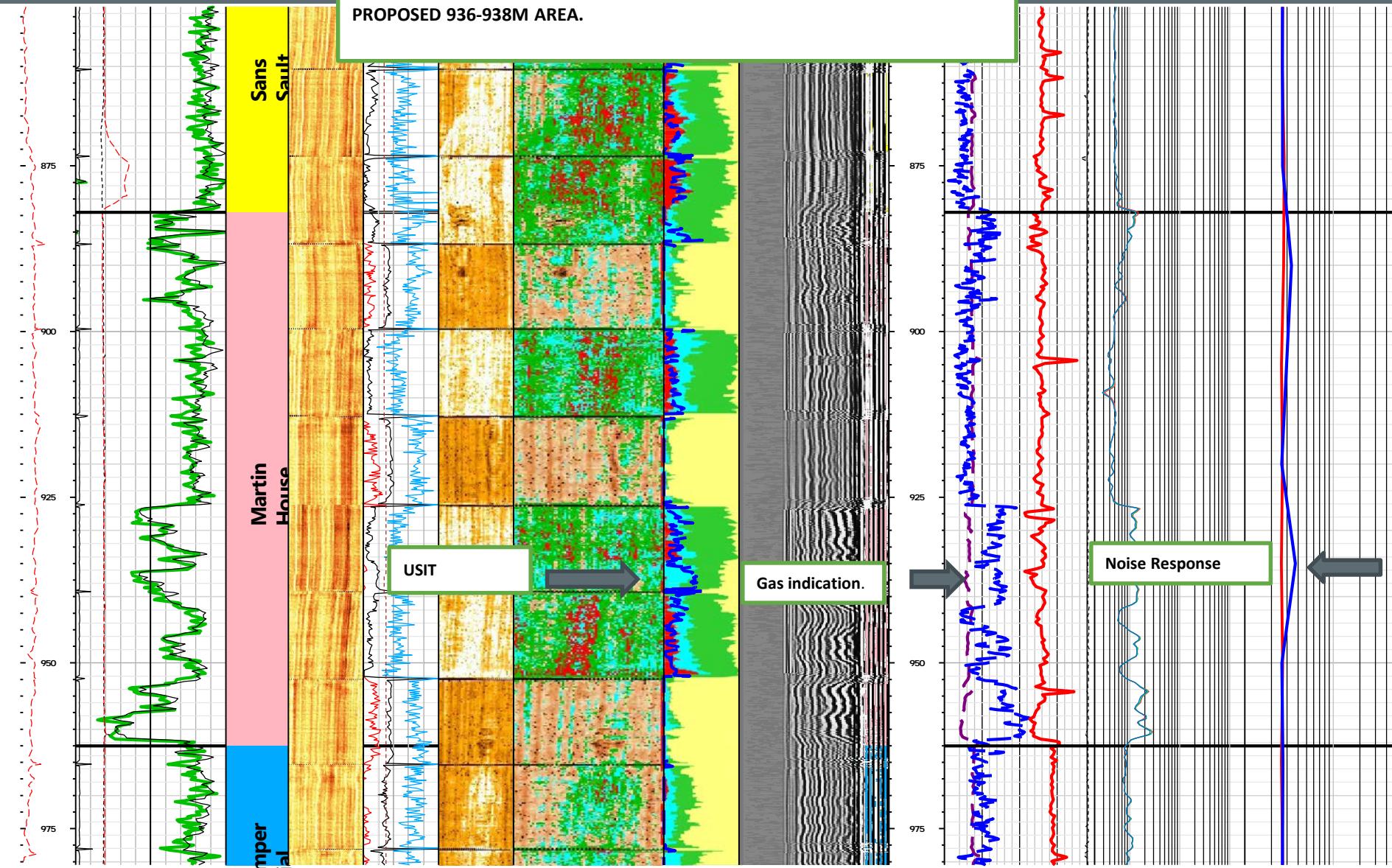
Loon Creek O-06 (2016) Vent Nanny



O-06 Interval #5 936-938m KB.

- VentNanny monitoring showed that although the flow rate on the SCVF was reduced to an average flow rate of 0.56m³/day it was not dead yet. Logs were reviewed again for more potential intervals and the Service Rig would be moved back on after N-20 abandonment.
- Another interval was proposed and approved from 936-938m KB. This interval is located in a zone near the base of the Martin House and near the top of the Imperial formation. Open hole logs show indications of gas. This area was picked because it does show some noise anomaly on the geophone noise log. The USIT also shows minor indications of gas storage.
- March 2, 2016. Perforated 936-938m KB and set unactivated cement retainer 21.8m below bottom perforation. Monitor overnight.
(Note: VentNanny response was very good after perforating this interval. The vent flow was very close to zero with no applied pressure to the casing after overnight observation. See Charts.)
- March 3, 2016. Acidize 936-938m with 1.0m³ of synthetic acid.
- March 4, 2016 936-938m was cemented using a balanced cement plug. 2.8m³ of Class G cement was squeezed at a final pressure of 18 MPa at 15 L/min.

O-06 COMPOSITE LOG SHOWING OPEN HOLE LOG WITH GAS RESPONSE AND NOISE RESPONSE ON GEOPHONE LOG AND USIT GAS STORAGE AREA OVER THE PROPOSED 936-938M AREA.



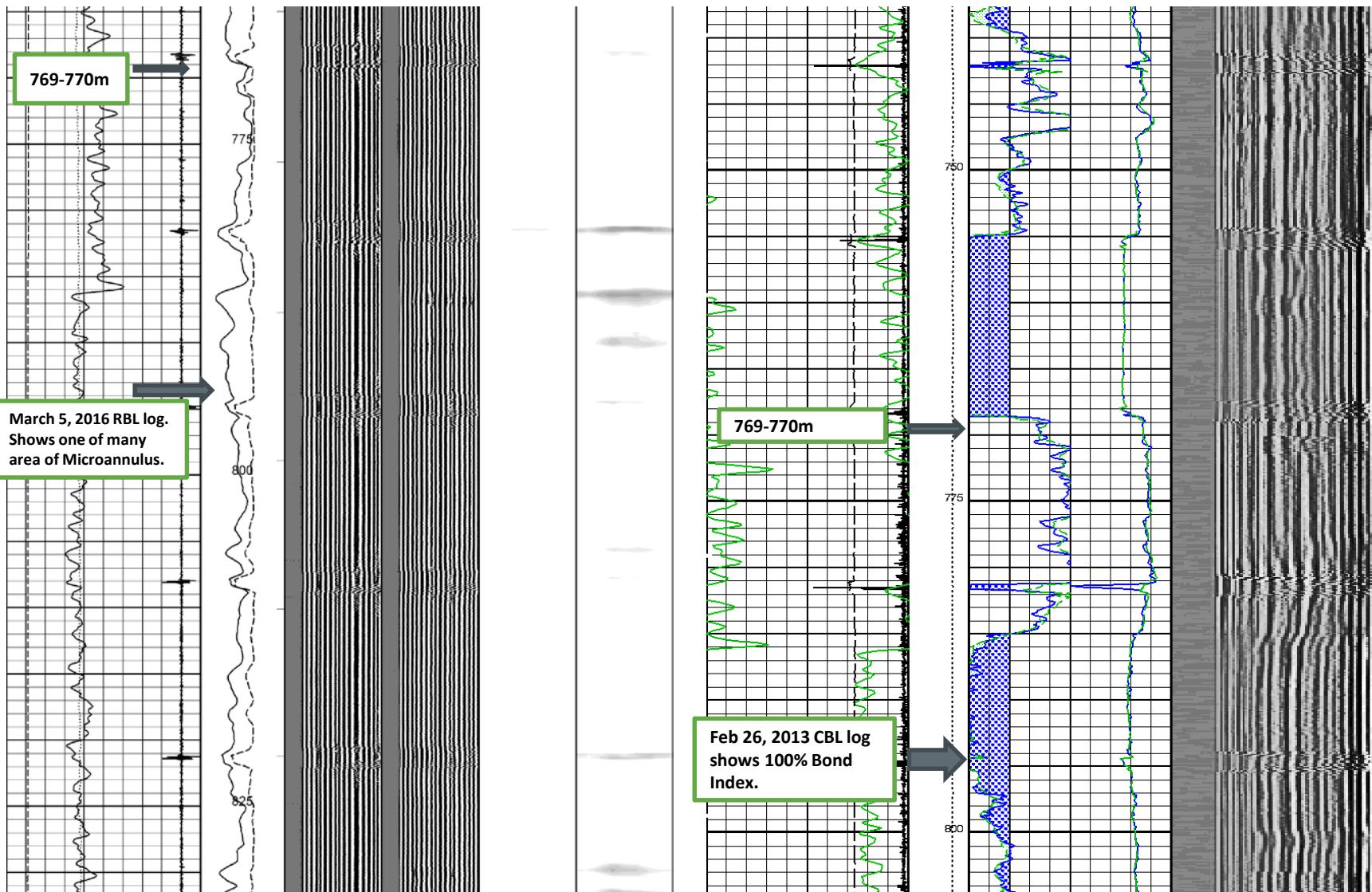
O-06 Intervals #6, 7 & 8 Micro-annulus Squeezes.

- As the February 20, 2016 N-20 bond log showed indications of micro-annulus, an RBL log was run on O-06 on March 5, 2016, after cement squeezing the 936-938m interval. This log was compared to the original 2013 bond log and used to look for indications of micro-annulus.
- Based on the results from this log, three intervals were picked to conduct micro-annulus squeezes using a “Resinbond cement”, similar to the operation conducted on the N-20 interval from 873-874m KB. OROGO approval was obtained and Resinbond squeeze operations were conducted on all three intervals.
- Resinbond cement is a gypsum based cement with a polymeric resin added. This cement sets quickly, gains compressive strength quickly and also has expansion qualities. This cement typically cannot be pumped after 90 to 120 minutes.
- Perforating design was changed to use big hole charges and an UZI gun to ensure full coverage of wellbore over a 1 meter interval and increase the chances of filling any micro annular area.

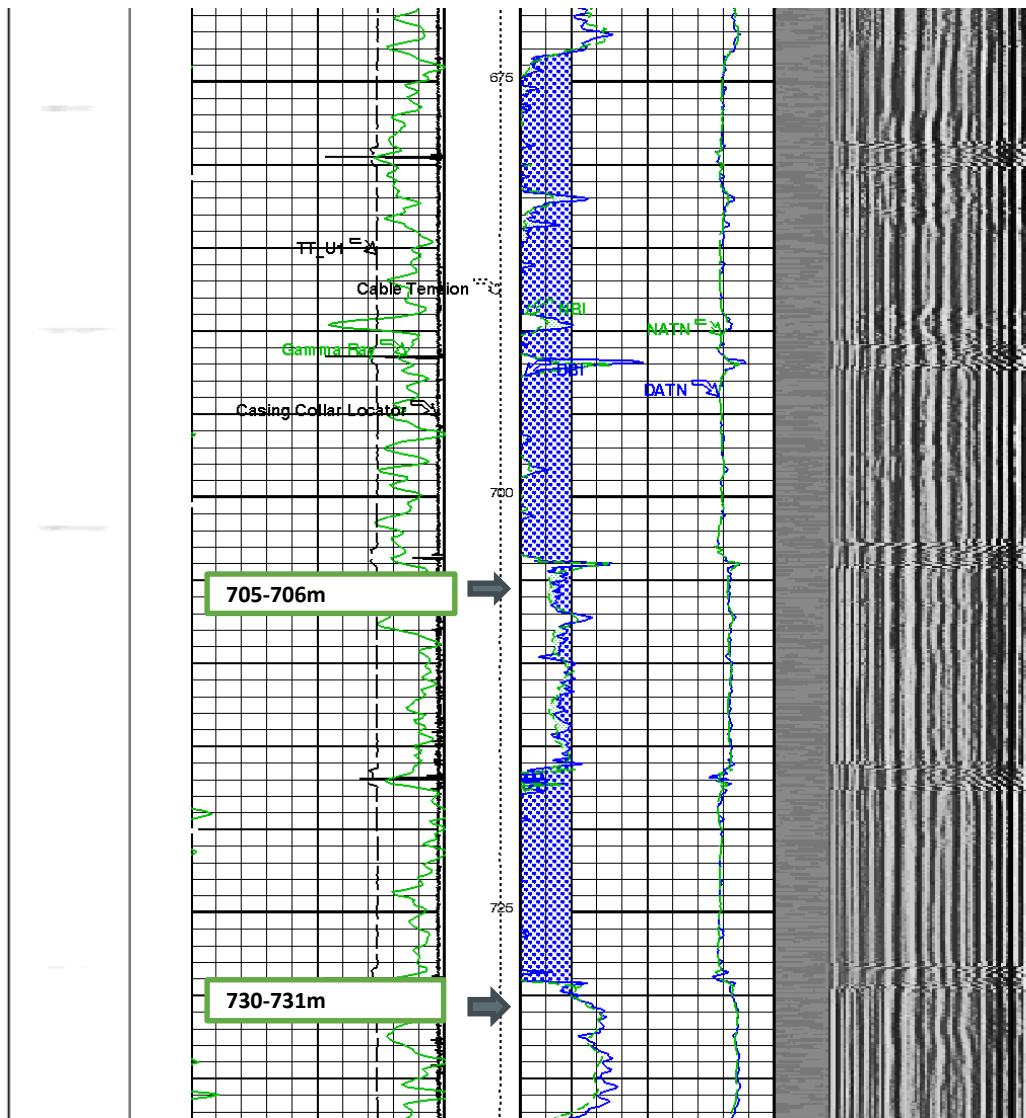
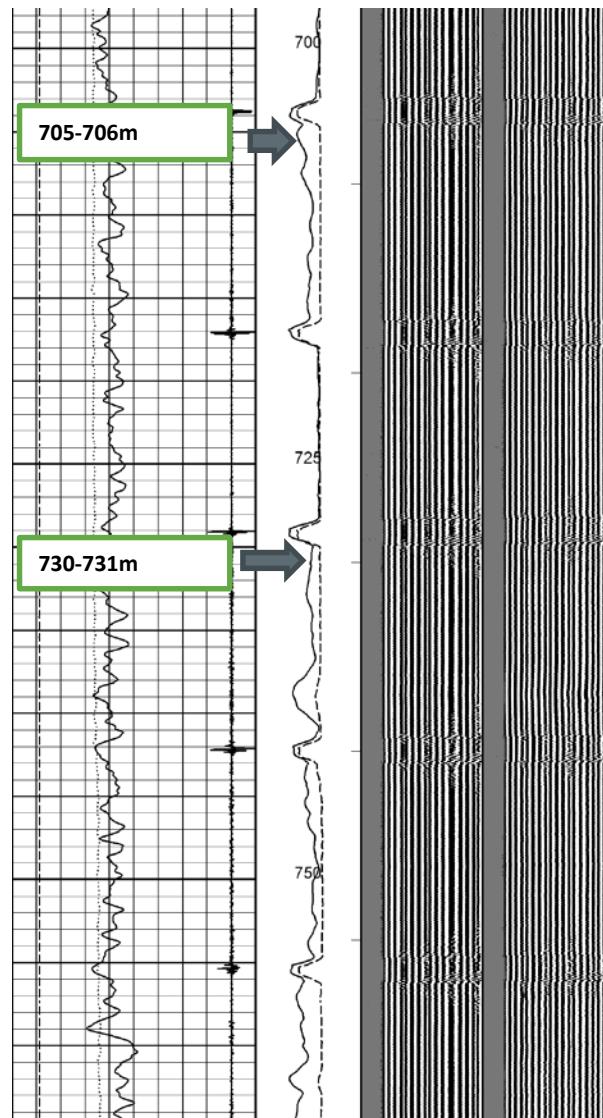
O-06 Intervals #6, 7 & 8 Micro-annulus Squeezes (cont'd)

- After perforating was completed, a permanent bridge plug was placed within 0.5m of the bottom perforation. The Resinbond cement was then mixed and dump bailed in place. Following this, pressure was applied as soon as possible and then pressure left on overnight.
- After overnight shut-in, the cement was tagged to confirm total volume injected and then perforations were abandoned with a permanent bridge plug and cement.

0-06 Interval # 6 769-770m. MicroAnnulus Squeeze.



O-06 Intervals # 7, 730-731m & #8, 705-706mKB.



O-06 Intervals 6, 7 & 8 Micro-annulus Squeezes.

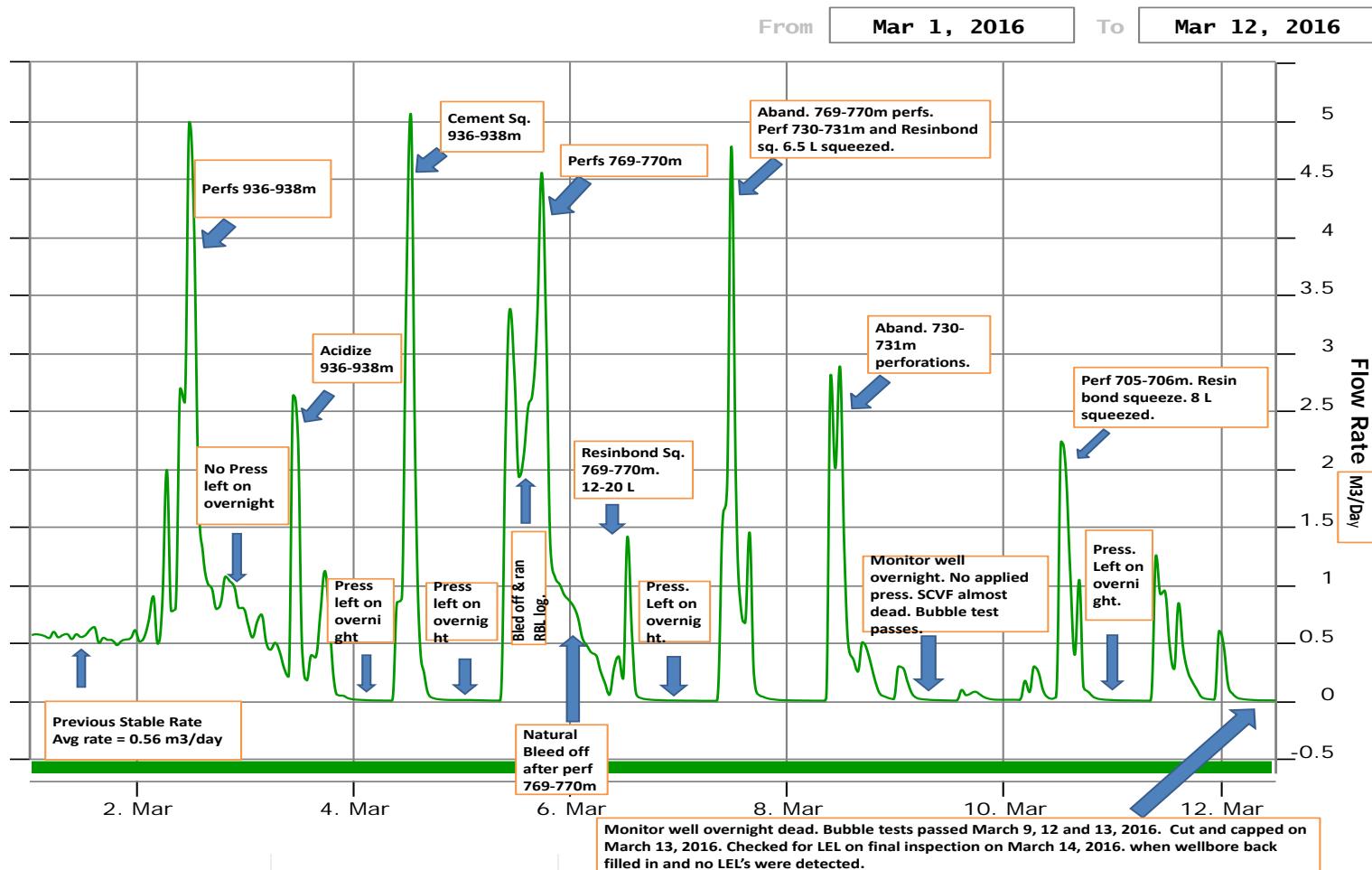
- March 5, 2016. Ran RBL log to evaluate micro-annulus. Perforated 769-770m. Set an unactivated cement retainer 0.5m below bottom perforation.
- March 6, 2016. Dump bail 170 L of Resinbond cement. Apply 18 MPa pressure. Estimated squeezing 20 L of cement. Left pressure on overnight.
- March 7, 2016. SICP = 16,900Kpa. Tag cement top at 762m. Based on this tag very little cement was squeezed. Abandoned 769-770m perforations with bridge plug and cement. Perforated 730-731m and set bridge plug 0.5m below bottom perforation. Dump bailed 170 L of Resinbond cement. Apply 18.5 MPa. Estimated 6.5 L of cement squeezed. Left pressure on overnight.
- March 8, 2016. SICP = 17,100 kPa. Tag cement top at 723.1m. Confirms approximately 6.5 L of Resinbond cement squeezed. Abandoned 730-731m perforations with bridge plug and cement. At this point, decision was made to monitor the VentNanny response. Response was good and vent was dead. See VentNanny chart attached with data labelled March 1 to March 12, 2016.

O-06 Intervals 6, 7 & 8 Micro-annulus Squeezes (cont'd)

- March 9, 2016. Bubble tested vent and passed. Monitor VentNanny. See charts. Decision was made to do last interval and rig out equipment.
- March 10, 2016. Perforated 705-706m and set bridge plug 0.5m below bottom perforation. Dump bail 170 L of Resinbond cement. Apply 14 MPa pressure. Squeezed an estimated 8 L of cement. Leave pressure on overnight.
- March 11, 2016. SICP = 13,200 kPa. Tag at 698m KB, confirming approximately 8 L of cement was squeezed. Abandoned 705-706m perforations. Start rigging out and monitor vent. See VentNanny chart attached with data labelled March 1 to March 12, 2016.
- March 12, 2016. Vent is dead. Bubble test vent and passed. Remove VentNanny. Prepare for cut and cap.
- March 13, 2016. Bubble test passed again. Cut and capped well.

VentNanny Flow Data

Loon Creek O-06 (2016) Vent Nanny Flow



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Appendix 9 Cut and Cap Photos

DIRECTION
146 deg(T)

65.09767°N
127.01037°W

ACCURACY 5 m
DATUM WGS84



COMMENT 1

COMMENT 2

2016-03-13

-

-

11:31:28-06:00

DIRECTION
312 deg(T)

65.09767°N
127.00970°W

ACCURACY 5 m
DATUM WGS84



COMMENT 1

COMMENT 2

2016-03-13

-

-

10:40:09-06:00

DIRECTION
230 deg (T)

65.09771°N
127.01038°W

ACCURACY 5 m
DATUM WGS84

COMMENT 1

COMMENT 2

2016-03-13

-

-

11:31:53-06:00

DIRECTION
148 deg(T)

65.09770°N
127.01040°W

ACCURACY 5 m
DATUM WGS84



COMMENT 1

COMMENT 2

2016-03-13

11:32:18-06:00

DIRECTION
326 deg(T)

65.09758°N
127.00989°W

ACCURACY 5 m
DATUM WGS84



COMMENT 1

COMMENT 2

2016-03-14
09:36:16-06:00