

COPRC Dodo Canyon C-11

APPENDICES

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Appendix 1 Legal Survey Plan

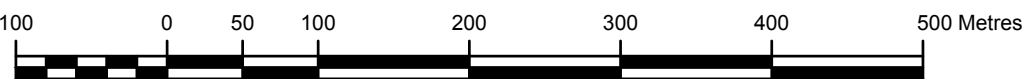
PLAN OF SURVEY OF
WATER WELL WW02
COPRC MIRROR LAKE C-11
IN UNIT C, SECTION 11
GRID AREA 65° 10', 126° 45'

EXPLORATION LICENCE 470

NORTHWEST TERRITORIES

OIL AND GAS LAND REGULATIONS

SCALE 1 : 5000



SURVEYED FOR
CONOCOPHILLIPS CANADA RESOURCES CORPORATION
BY: PAUL A. BURBIDGE, C.L.S.
2016

NAD83 UTM COORDINATES ARE COMPUTED FOR ZONE 9, CENTRAL MERIDIAN 129°W.

BEARINGS ARE DERIVED FROM GNSS OBSERVATIONS

DISTANCES ARE EXPRESSED IN METRES AND DECIMALS THEREOF

DISTANCES SHOWN IN GNSS SURVEY DETAIL 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.

NAD83 UTM COORDINATES HAVE BEEN CONVERTED TO NAD 27 USING NATIONAL TRANSFORMATION VERSION 2

DISTANCES SHOWN ON GRID AREA SUBDIVISIONS ARE UTM PLANE (GRID)

CLS '77 POST FOUND SHOWN THUS

CLS '77 POST PLACED SHOWN THUS

WATER WELL SHOWN THUS

PLACED POSTS MARKED WITH YEAR OF SURVEY, 2016.

REFER TO FB _____ CLSR FOR THE SURVEY REPORT PERTAINING TO THIS SURVEY.

ORTHOMETRIC GROUND ELEVATION AT WELL 1 CENTRE IS 279.32 METRES.

ORTHOMETRIC GROUND ELEVATION AT WELL 2 CENTRE IS 279.29 METRES.

ELEVATIONS ARE DERIVED USING THE HTV2.0 GEOID MODEL.

CERTIFIED CORRECT:

PAUL A. BURBIDGE, Canada Lands Surveyor

Date

THIS SURVEY WAS EXECUTED ON FEBRUARY 10, 2016 BY PAUL A. BURBIDGE, C.L.S.

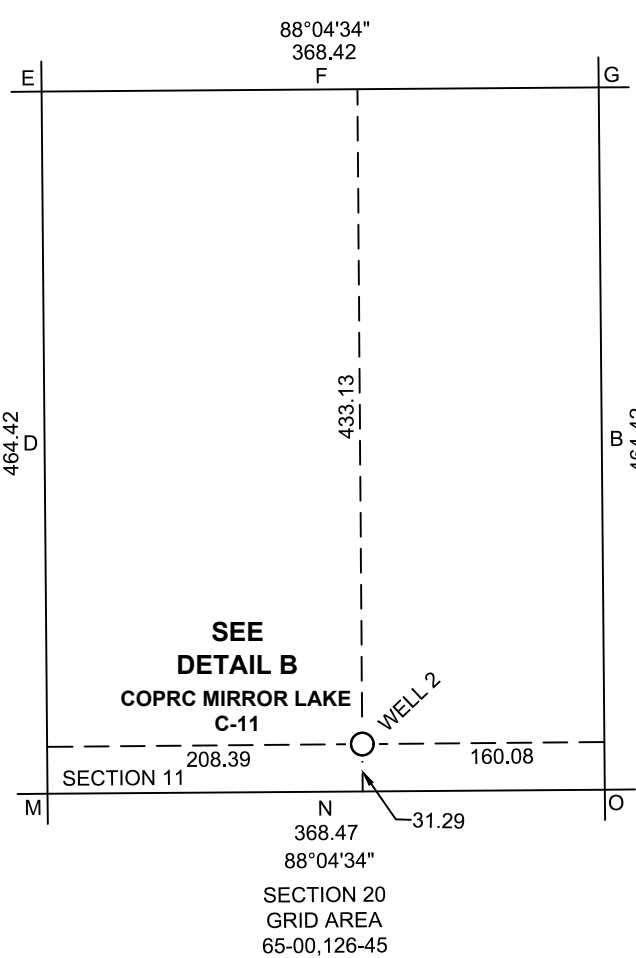
CONOCOPHILLIPS CANADA RESOURCES CORPORATION

(SIGNATURE, TITLE) _____

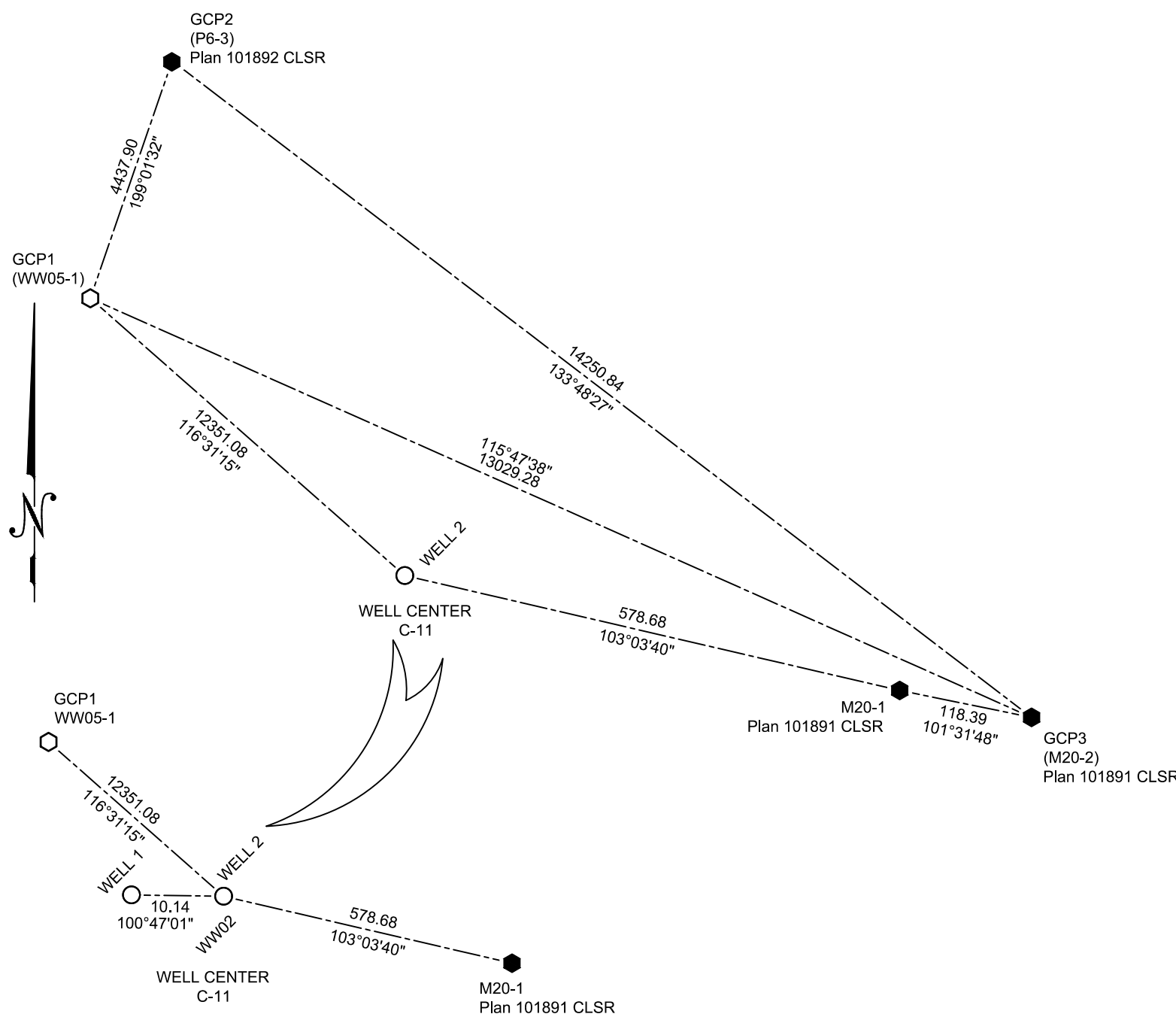
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WITNESS

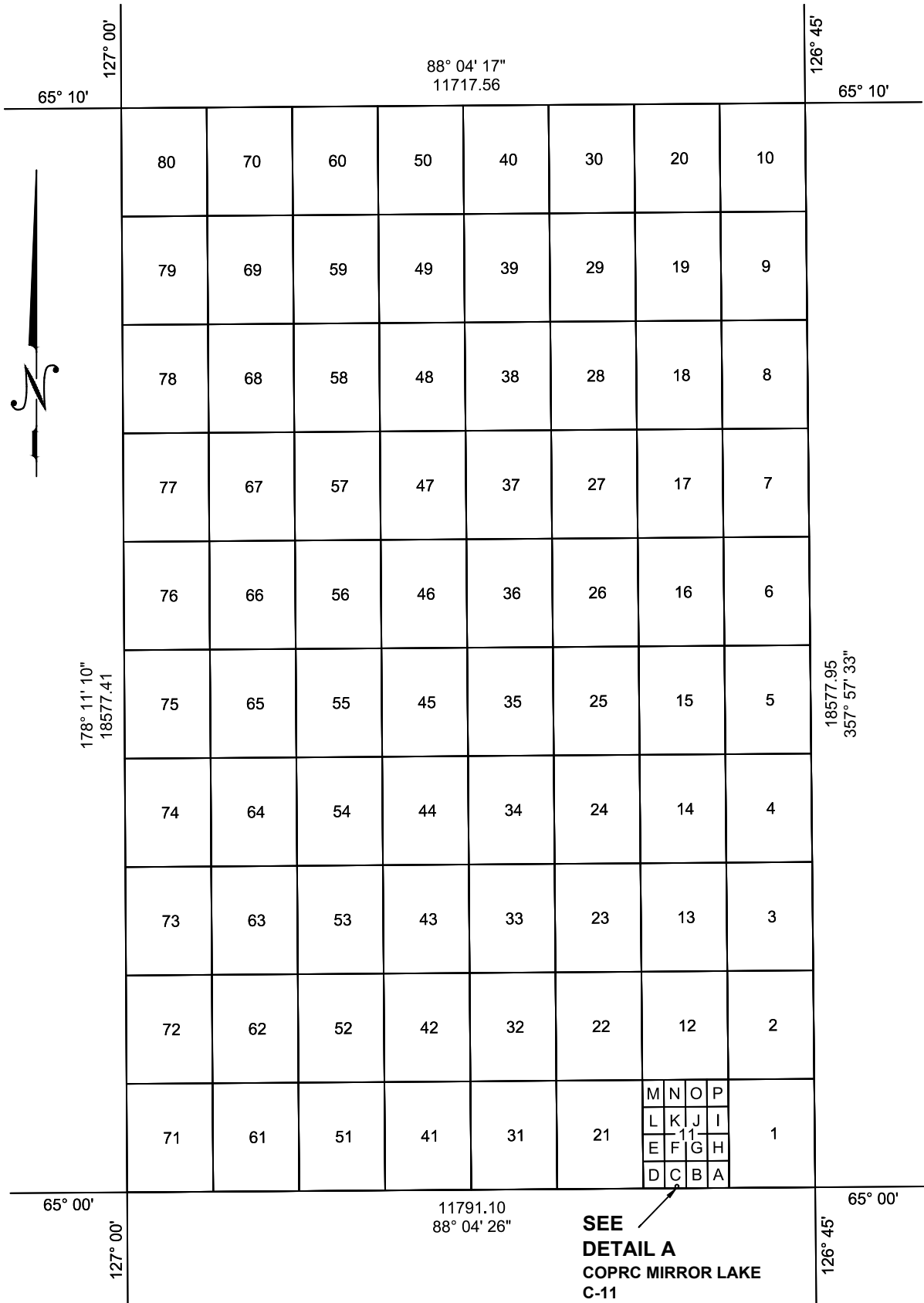
DATE



Bearing and distances are UTM NAD27, Zone 9.
DETAIL A: SURFACE UNIT
SCALE 1 : 5000



DETAIL B: GNSS SURVEY
NOT TO SCALE
-BEARINGS ARE UTM NAD27, ZONE 9.
-DISTANCES ARE REDUCED TO THE HORIZONTAL AT GENERAL GROUND LEVEL.



Bearing and distances are UTM NAD27, Zone 9.
GRID AREA 65° 10', 126° 45'
SCALE 1 : 100 000

TABLE OF CO-ORDINATES								
STATION	U.T.M. ZONE 9, C.M. 129				U.T.M. ZONE 9, C.M. 129		GEOGRAPHIC CO-ORDINATES	
	NAD83-CSR5 (Epoch 2010)				(NAD27)		(NAD27)	
	NORTHING	EASTING	ELEVATION	ACCURACY	NORTHING	EASTING	LATITUDE	LONGITUDE
GCP1 (VV05-1)	7215811.143	592580.065	300.097	0.02	7215614.671	592670.790		
GCP2 (P6-3)	7220005.01	594026.38	262.30	0.03	7219808.81	594117.04		
GCP3 (M20-2)	7210144.12	604307.65	275.37	0.03	7209947.00	604398.18		
M20-1	7210167.77	604191.68			7209970.65	604282.21		
GRID AREA								
N.W.	7228517.35	593626.35			7228321.52	593716.87	65°10'	127°00'
N.E.	7228912.33	605337.51			7228715.88	605427.80	65°10'	126°45'
S.E.	7210346.96	605998.89			7210149.71	606089.37	65°00'	126°45'
S.W.	7209950.21	594214.09			7209753.42	594304.93	65°00'	127°00'
C-11 N.W.	7210724.32	603404.82			7210527.26	603495.35	65°00'15.13"	126°48'16.88"
C-11 N.E.	7210736.71	603773.04			7210539.63	603863.56	65°00'15.12"	126°47'48.75"
C-11 S.E.	7210272.57	603789.22			7210075.49	603879.76	65°00'00.12"	126°47'48.75"
C-11 S.W.	7210260.17	603420.94			7210063.12	603511.49	65°00'00.13"	126°48'16.87"
WELL CENTRE								
C-11 (Well 1)	7210300.36	603618.17			7210103.29	603708.72	65°00'01.21"	126°48'01.72"
C-11 (Well 2)	7210298.46	603628.13			7210101.39	603718.68	65°00'01.13"	126°48'00.97"

Coordinates were derived from GNSS observations holding Station GCP1 fixed.

The coordinates and accuracy of Station GCP1 were derived from the Natural Resources Canada Precise Point Positioning (PPP) Service.

The PPP derived horizontal position of Station GCP1 has an uncertainty of 0.02m at the 95% confidence level.

Elevations are ellipsoidal.

Appendix 2 Daily Activity and Cost Summary

Daily Activity and Cost Summary

COPRC DODO CANYON C-11A (WW02-A)

Job Category WELL INTERVENTION	Primary Job Type WATER SOURCE WELL TEST	Secondary Job Type	Actual Start Date 2/1/2016 07:30	End Date 2/5/2016 11:30
AFE / RFE / Maint.# 10387556	Total Job AFE Amount (Cost) 56,500.00	AFE+Supp Amt (Cost) 56,500.00	Total Field Estimate (Cost) 25,480.00	AFE-Field Estimate (Cost) 31,020.00

Objective

Water Well Testing Only

Contractor	Rig Name/No	Rig Type
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DAILY ACTIVITY & COST SUMMARY

Report No.	Start Date	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum
1	2/2/2016 07:00	6,445.00	6,445.00	Move equipment to location.
2	2/3/2016 11:30	6,445.00	12,890.00	Moved to site. Thawed ground water well WW02-A valving system. Plugged in pump in WW02-A. Flow rate measure at 42 gpm after 30 minutes of operation. Pumped for approximately 6 hours. Total pumped 57.5 m³. Measured water quality and pump rates prior to sampling for laboratory analysis. Collected sample for lab analysis.
3	2/4/2016 11:00	6,445.00	19,335.00	Dropped off samples with MXL for shipment to AGAT labs. Thawed ice in csg. Removed steam line. Removed pump and lines from well. Pump was set at 195 m below top of casing. Complete removal of lines and pumps and separate lines and put onto individual spools.
4	2/5/2016 07:00	6,145.00	25,480.00	Measured static water level.(31 m below top of casing). 178 mm csg, TD 202 m). Video surveyed well to determine if inner casing is cleared of ice. Video survey indicates inner casing is ice free. Rigged out equipment and moved to WW05-A.

Daily Activity and Cost Summary

COPRC DODO CANYON C-11A (WW02-A)

Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type	Actual Start Date 2/18/2016 07:30	End Date 2/29/2016 12:00
AFE / RFE / Maint.# 10385946;10385945	Total Job AFE Amount (Cost) 364,850.00	AFE+Supp Amt (Cost) 364,850.00	Total Field Estimate (Cost) 140,362.91	AFE-Field Estimate (Cost) 224,487.09

Objective

Abandon Cut and Cap

Contractor C&J	Rig Name/No 414	Rig Type SERVICE RIG
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DAILY ACTIVITY & COST SUMMARY

Report No.	Start Date	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum
1	2/18/2016 07:30	14,901.00	14,901.00	Installed, torqued and pressure tested a Stream Flo Crown 7 1/16 2000 x 7" slip lock csg bowl on to the surface csg stub.
2	2/19/2016 07:30	1,954.00	16,855.00	MIRU Cascade steamer, RIH with plumb bob and 60 m tally tape to check for ice build up. RIH with a 9.52 mm O.D. steam hose downhole. (Lowered hose to full extent of reach approximately 90 m) and checked for ice plugs. RIH with camera and visually check for ice bulid up on the csg wall and record. Move in and spot C&J Rig 414 and auxiliary equipment, rig in boiler and apply heat to Bop's, wellhead and water over night.
3	2/20/2016 07:30	32,967.20	49,822.20	Rig up service rig and auxiliary equipment, stump testand install bop's as per program, RIH 60.3mm tbg and tag PBTB @ 208.70 mKB, Space out and land tbg hanger with EOT @ 207.65mKB.
4	2/21/2016 07:30	71,346.21	121,168.41	Circulate well bore with 15.0m³ 35°C potable fresh water containing <4000ppm TDS, Conduct cement job as per program, POOH 60.3mm tbg string, rig out service rig and prep to move in the am. Cement top @ 8.40mKB / 5.55 mfrom Ground Level
5	2/22/2016 07:30	6,518.50	127,686.91	Rig out remaining service rig equipment, Remove water from wellbore with vac truck, measure cement top @ 10.0m from ground level, Tarp in wellhead and heat overnight.
6	2/23/2016 07:30	4,500.00	132,186.91	Tag cement top with 88.9Kg (1 60.3mm jt + 10' pup jt) @ 10.02m from Ground Level, Pressure cement to 7.0 mPa for 10min - good test, remove water from wellbore. Install hole cover and maintain heat on wellhead.
7	2/25/2016 07:30		132,186.91	Pour 100 Liters of 1820 kg/m³ Arctic Set into wellbore bringing continuous cement plug top up to 4.50m from Ground Level.
8	2/28/2016 07:30	3,908.00	136,094.91	MIRU Cascde steamer and Clean Harbors semi vac, Hydro vaced around the conductor barrel on the wellhead down 0.30 m from ground level to cement.The cellar area had ice in it.
9	2/29/2016 10:15	4,268.00	140,362.91	NuWave cut and capped well. See Cut & Cap pictures in Attachments.

Appendix 3 Daily Reports

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 1
Report Date: 2/2/2016
Final Job Status:
Final Report? No

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information					
Job Category WELL INTERVENTION	Primary Job Type WATER SOURCE WELL TEST	Secondary Job Type	Total Field Estimate (Cost) 46,143.00		

Objective Water Well Testing Only					
Actual Start Date 2/1/2016 07:30	End Date 2/5/2016 11:30	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3
AFE / RFE / Maint.# 10387556	Total AFE Amount (Cost) 56,500.00	Total AFE + Supp Amount (Cost) 56,500.00	Total Field Estimate (Cost) 46,143.00	AFE-Field Estimate (Cost) 10,357.00	

Daily Operations					
Report Start Date 2/2/2016 07:00	Report End Date 2/2/2016 15:30	Daily Cost Total (Cost) 11,617.00	Cumulative Cost (Cost) 11,617.00	Personnel Regular Hours (hr) 37.50	

Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Flett, 780-933-4595; Crew Supervisor, Jeff Powers, 907-355-1769					Rig
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Foggy	Temperature (°C) -15	Lease Condition lcy/Snow covered	

Last 24hr Summary
Move equipment to location.

24hr Forecast
Thaw ground water well WW02-B valving system. Plug in pump at WW02-A. Measure flow rate and water quality. Collect sample for lab analysis.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:00	07:15	0.25	WELLPR	SFTY	P		Held tailgate safety meeting to discuss day's work.
07:15	16:15	9.00	WELLPR	MOB	P		Organized and thawed equipment and pumping equipment at Canol, HRN and Red Dog. Loaded heaters and light tower to drop off at site. Drove to location and spotted the equipment. Returned to Norman Wells

Report Fluids Summary					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.46	0.00	0.46	0.00	0.46

Daily Costs			
BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	660.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	550.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	100.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	150.00
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	HOBBIT ENVIRONMENTAL	M220	8,522.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,620.00
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

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 2
Report Date: 2/3/2016
Final Job Status:
Final Report? No

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information			
Job Category	Primary Job Type	Secondary Job Type	Total Field Estimate (Cost)
WELL INTERVENTION	WATER SOURCE WELL TEST		46,143.00

Objective Water Well Testing Only					
Actual Start Date 2/1/2016 07:30	End Date 2/5/2016 11:30	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3
AFE / RFE / Maint.# 10387556	Total AFE Amount (Cost) 56,500.00	Total AFE + Supp Amount (Cost) 56,500.00	Total Field Estimate (Cost) 46,143.00	AFE-Field Estimate (Cost) 10,357.00	

Daily Operations				
Report Start Date 2/3/2016 11:30	Report End Date 2/3/2016 18:00	Daily Cost Total (Cost) 11,617.00	Cumulative Cost (Cost) 23,234.00	Personnel Regular Hours (hr) 32.50
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Flett, 780-933-4595; Crew Supervisor, Jeff Powers, 907-355-1769				Rig
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Foggy	Temperature (°C) -18	Lease Condition lcy/Snow covered

Last 24hr Summary
Moved to site. Thawed ground water well WW02-A valving system. Plugged in pump in WW02-A. Flow rate measure at 42 gpm after 30 minutes of operation. Pumped for approximately 6 hours. Total pumped 57.5 m³. Measured water quality and pump rates prior to sampling for laboratory analysis. Collected sample for lab analysis.

24hr Forecast
Thaw and remove infrastructure in WW02-A. Video survey WW02-B. Move to WW05.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
11:30	12:00	0.50	WELLPR	SFTY	P		Held PJHA meeting with Hobbit crew members. Discussed daily operations.
12:00	18:00	6.00	WELLPR	ALFT	P		Drove at site. Started Herman Nelson heaters to warm genset and thaw groundwater well valving system. Start genset. Steamer unit started and continued to recirculate water. Started genset. Plugged in pump, Flow rate measure at 42 gpm measured every 30 minutes of operation. Pumped for 6 hours to introduce recharge formation water prior to collecting sample for laboratory analysis. (Total discharge to surface 57.5 m³. Discharge allowed per conditions of SLWB permit). While pumping WW02-A, well WW02-B will be thawed. Problems with consistent operation of Herman Nelsons, loaded into truck and 1/2 crew returned to Canol to switch out. Measured water quality and pump rates prior to sampling for laboratory analysis. Collected sample for lab analysis. Turn off pump, Plugged in trucks and keep genset running on top of flat deck to keep warm overnight. Leave site. 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	0.46

Daily Costs			
BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	660.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	550.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	100.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	150.00
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	HOBBIT ENVIRONMENTAL	M220	8,522.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,620.00
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

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 3
Report Date: 2/4/2016
Final Job Status:
Final Report? No

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information					
Job Category WELL INTERVENTION	Primary Job Type WATER SOURCE WELL TEST	Secondary Job Type	Total Field Estimate (Cost) 46,143.00		

Objective Water Well Testing Only					
Actual Start Date 2/1/2016 07:30	End Date 2/5/2016 11:30	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3
AFE / RFE / Maint.# 10387556	Total AFE Amount (Cost) 56,500.00	Total AFE + Supp Amount (Cost) 56,500.00	Total Field Estimate (Cost) 46,143.00	AFE-Field Estimate (Cost) 10,357.00	

Daily Operations					
Report Start Date 2/4/2016 11:00	Report End Date 2/4/2016 18:00	Daily Cost Total (Cost) 11,617.00	Cumulative Cost (Cost) 34,851.00	Personnel Regular Hours (hr) 35.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Flett, 780-933-4595; Crew Supervisor, Jeff Powers, 907-355-1769					Rig
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C) -27	Lease Condition lcy/Snow covered	

Last 24hr Summary
Dropped off samples with MXL for shipment to AGAT labs. Thawed ice in csg. Removed steam line. Removed pump and lines from well. Pump was set at 195 m below top of casing. Complete removal of lines and pumps and separate lines and put onto individual spools.

24hr Forecast
Measure static water level, Video survey well.
Move equipment to WW05-A, set up pumping system and sample at end of day.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
11:00	11:30	0.50	WELLPR	SFTY	P		Held PJHA #744981 with Hobbit crew members, Discussed daily operations and hazards.
11:30	22:00	10.50	RPEQPT	ALFT	P		Dropped off samples with MXL for shipment to AGAT labs. Switch out heaters with Canol since the ones we have stall consistently. Prepared equipment and thaw ice in csg. Removed the ½" steam line. Spotted and rigged in the side picker and electric reel to remove pump and lines from well. Pump set at 195 m below top of casing. Completed removal of 31.75 mm poly line and pump (1½ HP Grundfoss submersible pump) and separate lines and separate onto individual spools. Organized site and kept the flat deck truck running overnight since block heater does not seem to work. Also left genset on flat deck running overnight. SDFN.

Report Fluids Summary					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
	0.00	0.00	0.00	0.00	
FRESH WATER	0.00	0.00	0.00	0.00	0.46

Daily Costs			
BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	660.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	550.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	100.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	150.00
Welltesting (Eqpmt, Srvcs, PTA, Gov't Subs)	HOBBIT ENVIRONMENTAL	M220	8,522.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,620.00
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

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 4
Report Date: 2/5/2016
Final Job Status:
Final Report? No

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information			
Job Category	Primary Job Type	Secondary Job Type	Total Field Estimate (Cost)
WELL INTERVENTION	WATER SOURCE WELL TEST		46,143.00

Objective Water Well Testing Only					
Actual Start Date 2/1/2016 07:30	End Date 2/5/2016 11:30	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3
AFE / RFE / Maint.# 10387556	Total AFE Amount (Cost) 56,500.00	Total AFE + Supp Amount (Cost) 56,500.00	Total Field Estimate (Cost) 46,143.00	AFE-Field Estimate (Cost) 10,357.00	

Daily Operations				
Report Start Date 2/5/2016 07:00	Report End Date 2/5/2016 11:30	Daily Cost Total (Cost) 11,292.00	Cumulative Cost (Cost) 46,143.00	Personnel Regular Hours (hr) 22.50
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; Abandonment Engineer, Louis Borbely, 403-650-3939; WS Supervisor, Mike Flett, 780-933-4595; Crew Supervisor, Jeff Powers, 907-355-1769				Rig
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C) -27	
				Lease Condition lcy/Snow covered

Last 24hr Summary
Measured static water level.(31 m below top of casing). 178 mm csg, TD 202 m). Video surveyed well to determine if inner casing is cleared of ice. Video survey indicates inner casing is ice free. Rigged out equipment and moved to WW05-A.

24hr Forecast
Thaw WW05-A and remove infrastructure.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:00	07:30	0.50	RPEQPT	SFTY	P		Held PJHA #744981 with Hobbit crew.Discussed daily operations and hazards.
07:30	09:00	1.50	WELLPR	SFTY	P		Attend Conoco safety stand down meeting in Norman Wells at Trumpeter camp.
09:00	11:30	2.50	WELLPR	ALFT	P		Drove to location.Measured static water level. (31 m below top of casing). Column of water in WW02-A 179 m in 178 mm steel casing. Video surveyed well to determine if inner casing is cleared of ice. Video survey indicates inner casing is ice free. Rigged out the equipment and moved to WW05-A. Februrary 10th Shocked with 8L of the 12% hypochlorite solution.

Report Fluids Summary					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
	0.00	0.00	0.00	0.00	
FRESH WATER	0.00	0.00	0.00	0.00	0.46

Daily Costs			
BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	1,320.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	1,100.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	200.00
Surface Completion Equipment Rental	CANOL OILFIELD SERVICES INC	Q300	150.00
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	HOBBIT ENVIRONMENTAL	M220	8,522.00

Cumulative Job Flared Gas By Zone	
Zone	Volume Gas Total (E3m³)

Perforations					
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 1
Report Date: 2/18/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type	Total Field Estimate (Cost) 140,362.91	

Objective Abandon Cut and Cap					
Actual Start Date 2/18/2016 07:30	End Date 2/29/2016 12:00	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385946	Total AFE Amount (Cost) 347,500.00	Total AFE + Supp Amount (Cost) 347,500.00	Total Field Estimate (Cost) 136,454.91	AFE-Field Estimate (Cost) 211,045.09	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,350.00	Total AFE + Supp Amount (Cost) 17,350.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,350.00	

Daily Operations					
Report Start Date 2/18/2016 07:30	Report End Date 2/18/2016 11:00	Daily Cost Total (Cost) 14,901.00	Cumulative Cost (Cost) 14,901.00	Personnel Regular Hours (hr) 10.50	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Mike Flett, 780-933-4595; Abandonment Engineer, Louis Borbely, 403-650-3939					Rig C&J, 414
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -37	Lease Condition lcy/snow covered	

Last 24hr Summary
Installed, torqued and pressure tested a Stream Flo Crown 7 1/16 2000 x 7" slip lock csg bowl on to the surface csg stub.

24hr Forecast
MIRU Cascade steamer, RIH with a 9.52 mm O.D. steam hose downhole. (Lower hose to full extent of reach approximately 100 m) and check for Ice plugs. RIH with camera and visually check for ice build up on the csg wall and record.

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		Held a PJHA # 02182016 with Stream Flo Wellhead tech, Canol Transport forklift operator. Discussed installing the Stream Flo Crown 7 1/16 2000 x 7" slip lock csg bowl with a Type SL1 slip lock bottom, pressure testing, heavy lifting, Cold weather, Reviewed transportation plan/medic location, lease conditions, 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	11:00	3.00	WELLPR	WWSP	P		Cut, beveled and cleaned the 7" surface csg stub. Installed and torqued the Stream Flo Crown 7 1/16 2000 x 7" slip lock csg bowl with a Type SL1 slip lock bottom as per Stream Flow Installation procedure. Pressure tested seal assembly. Pressure tested. 500 psi (3447 kPa) low for 3 min, 2000 psi (13789 kPa) high for 10 min, test was good. Cleaned up all tools and equipment.

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)
Build Road & Location	CANOL OILFIELD SERVICES INC	D210	654.00
Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,620.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Equipment / Installation	STREAM FLO INDUSTRIES LTD	B110	1,585.00
Surface Equipment / Installation	STREAM FLO INDUSTRIES LTD	B110	11,027.00

Cumulative Job Flared Gas By Zone	
Zone	Volume Gas Total (E3m³)

Perforations					
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 2
Report Date: 2/19/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218		
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003			
Job Information							
Job Category ABANDONMENT		Primary Job Type ABANDONMENT P&A		Secondary Job Type Total Field Estimate (Cost) 140,362.91			
Objective Abandon Cut and Cap							
Actual Start Date 2/18/2016 07:30		End Date 2/29/2016 12:00		Abandon Date (C&C) 2/29/2016 12:00			
Responsible Grp 1 coved		Responsible Grp 2 lborbel		Responsible Grp 3 Justin Minault			
AFE / RFE / Maint.# 10385946		Total AFE Amount (Cost) 347,500.00		Total AFE + Supp Amount (Cost) 347,500.00			
Total Field Estimate (Cost) 136,454.91		AFE-Field Estimate (Cost) 211,045.09					
AFE / RFE / Maint.# 10385945		Total AFE Amount (Cost) 17,350.00		Total AFE + Supp Amount (Cost) 17,350.00			
Total Field Estimate (Cost) 17,350.00		AFE-Field Estimate (Cost) 17,350.00					
Daily Operations							
Report Start Date 2/19/2016 07:30		Report End Date 2/20/2016 07:30		Daily Cost Total (Cost) 1,954.00			
Cumulative Cost (Cost) 16,855.00		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					Rig C&J, 414		
Tubing Pressure (kPa)		Casing Pressure (kPa)		Weather Clear			
Temperature (°C) -38		Lease Condition lcy/snow covered					
Last 24hr Summary							
MIRU Cascade steamer, RIH with plumb bob and 60 m tally tape to check for ice build up. RIH with a 9.52 mm O.D. steam hose downhole. (Lowered hose to full extent of reach approximately 90 m) and checked for Ice plugs. RIH with camera and visually check for ice build up on the csg wall and record. Move in and spot C&J Rig 414 and auxiliary equipment, rig in boiler and apply heat to Bop's, wellhead and water over night.							
24hr Forecast							
RU C&J Rig 414.							
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		Held a PJHA # 02192016 with Cascade steamer crew. Discussed spotting/rigging in the steamer unit, firing the boiler, RIH with the 9.52 mm steam hose and checking for ice plugs in the csg. heavy lifting. Cold weather operations. Reviewed transportation plan/medic location, lease conditions, 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	13:30	5.50	WELLPR	WWSP	P		Spotted/rigged in the steamer unit. Fired the boiler. Mechanical problems on the steamer unit. RIH with a plumb bob and tally tape down to 60 m (No Ice plugs). Installed the roller guide on to the Csg Flange. RIH with the 9.52 mm O.D steam hose and checked for ice plugs in the csg. No Ice encountered (Lowered hose to full extent of reach approximately 100 m). POOH to surface with the steam hose. Repeated 4 times during a 3 hr period. Removed the roller guide, rigged out the steamer unit and moved to WW02-B (On same pad).
13:30	15:00	1.50	RPEQPT	WWSP	P		Bill Pepper brought video equipment. Rigged in, RIH and video surveyed/recorded well to determine if inner casing is cleared of ice. Video survey indicates inner casing is ice free. Tagged fluid level at 33 m. RIH down to 110 m. POOH with the video camera, rigged out the equipment. Put the hole cover back on the Csg flange.
15:00	18:00	3.00	WELLPR	MOB	P		<ul style="list-style-type: none"> - Transport and spot the following equipment from P-20 65-00 126-45 to 300/ C-11 65-10 126-45: - Clean 400bbl tank for potable water. - 2x Boilers - Well Site Office Shack - C&J Skid doghouse - Clean insulated 400bbl tank (hauled from O-06 location). - C&J Skid pump and tank - C&J catwalk - Move spare racks from N-20 location. - 4x 20kv light towers. - Service Rig. - Class III Bop's c/w stand - Beam and all planking for rig. - Tidy up location, scrape up stained snow and collect in contaminated snow bags. - Transfer 57.90m³ fresh water from P-20 65-00 126-45. - Rig in boiler and heaters, tarp in wellhead and bop's - apply heat for the night.
18:00	07:30	13.50	WELLPR	OTHR	P		- Boiler hand on location maintaining heat on wellhead, bop's and fluid in rig tank and 400bbl tanks.



Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 2
Report Date: 2/19/2016
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	57.90	0.00			

Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	1,954.00

Cumulative Job Flared Gas By Zone

Zone	Volume Gas Total (E3m³)

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 3
Report Date: 2/20/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type	Total Field Estimate (Cost) 140,362.91		

Objective Abandon Cut and Cap					
Actual Start Date 2/18/2016 07:30	End Date 2/29/2016 12:00	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385946	Total AFE Amount (Cost) 347,500.00	Total AFE + Supp Amount (Cost) 347,500.00	Total Field Estimate (Cost) 136,454.91	AFE-Field Estimate (Cost) 211,045.09	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,350.00	Total AFE + Supp Amount (Cost) 17,350.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,350.00	

Daily Operations					
Report Start Date 2/20/2016 07:30	Report End Date 2/21/2016 07:30	Daily Cost Total (Cost) 32,967.20	Cumulative Cost (Cost) 49,822.20	Personnel Regular Hours (hr) 130.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; Abandonment Engineer, Louis Borbely, 403-650-3939					Rig C&J, 414
Tubing Pressure (kPa)	Casing Pressure (kPa) 0	Weather Clear	Temperature (°C) -36	Lease Condition lcy/snow covered	

Last 24hr Summary
Rig up service rig and auxiliary equipment, stump testand install bop's as per program, RIH 60.3mm tbg and tag PBTD @ 208.70 mKB, Space out and land tbg hanger with EOT @ 207.65mKB.

24hr Forecast
Circulate wellbore clean with warm water, conduct cement job as per program, POOH 60.3mm 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		Hold Pre-job safety meeting with all personnel, document and discuss all hazards associated with Riggging in service rig and auxiliary equipment, pressure testing and off-loading tbg. Review PJHA, JSA's and ERP.
08:00	11:00	3.00	RPCOMP	RURD	P		<ul style="list-style-type: none"> - Fire up equipment, conduct walk around inspection - no spills or leaks identified on wellhead or equipment. - Warm up equipment. - Rig in pump and tank, circulate potable 400bbl tank. - Rig in accumulator lines, conduct function test on accumulator and Bop's. - Stump test Bop's as follows: <ul style="list-style-type: none"> - Blind Rams and back up full opening safety valve to 1.4 + 14.0 mPa for 10min each test - Install Landing jt c/w primary full opening safety valve to 1.4 + 14.0 mPa for 10 min each test. - Annular to 1.4 + 7.0 mPa for 10 min each test - Note: Flow check conducted on wellbore through out duration of stump testing with no flow.
11:00	16:00	5.00	RPEQPT	RURD	P		<ul style="list-style-type: none"> - Spot Service Rig - Rig in beam and free-standing supports. - Lower Jacks and level rig. - Conduct Derrick inspection with rig manager - no deficiencies identified. - Stand, raise and secure telescopic mast. - Install Bop's on wellhead. - Install tbg hanger with landing jt, pressure test ring gasket to 1.4 + 14.0 mPa for 10min each test. - Rig in rig floor, hand-rails, v-door and stairs. - Pick up tongs and slips, rig in floor to run in the hole with tbg.
16:00	18:00	2.00	RPEQPT	TRIP	P		<ul style="list-style-type: none"> - Pick up and run in the hole with 23 new Jts of 60.3mm tbg (Environmentally friendly thread compund utilized to ensure wellbore not contaminated). - Tag PBTD on Jt #23 @ 208.70 mKB. - Pull and lay out 3 jts of tbg, install 3x pup jts (3.05m, 2.48m + 1.86m), 1jt of tbg, - Land Tbg hanger with EOT @ 207.65 mKB - Engage Hold down screws.
18:00	19:00	1.00	RPEQPT	SEQP	P		<ul style="list-style-type: none"> - Drain and blow down lines and equipment. - Secure and winterize well and equipment. - SDFN.
19:00	07:30	12.50	WELLPR	OTHR	P		- Boiler hand on location maintaining heat on wellhead, bop's and fluid in rig tank and 400bbl tanks.

Report Fluids Summary					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	11.40	0.00			

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 3
Report Date: 2/20/2016
Final Job Status: ABANDONED
Final Report? Yes

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	12,956.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,550.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,693.00
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	35.00
Completion Fluids & Other Chem	IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION	G300	1,230.00
Completion Fluids & Other Chem	IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION	G300	4,809.60
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,055.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,890.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,485.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,252.00
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	RIGSAT COMMUNICATIONS INC	Q300	15.00
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	205.00
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	801.60
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)
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Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status
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Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 4
Report Date: 2/21/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information			
Job Category	Primary Job Type	Secondary Job Type	Total Field Estimate (Cost)
ABANDONMENT	ABANDONMENT P&A		140,362.91

Objective Abandon Cut and Cap					
Actual Start Date 2/18/2016 07:30	End Date 2/29/2016 12:00	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385946	Total AFE Amount (Cost) 347,500.00	Total AFE + Supp Amount (Cost) 347,500.00	Total Field Estimate (Cost) 136,454.91	AFE-Field Estimate (Cost) 211,045.09	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,350.00	Total AFE + Supp Amount (Cost) 17,350.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,350.00	

Daily Operations					
Report Start Date 2/21/2016 07:30	Report End Date 2/22/2016 07:30	Daily Cost Total (Cost) 71,346.21	Cumulative Cost (Cost) 121,168.41	Personnel Regular Hours (hr) 130.00	

Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; Abandonment Engineer, Louis Borbely, 403-650-3939					Rig C&J, 414
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Tubing Pressure (kPa) 0	Casing Pressure (kPa) 0	Weather Clear	Temperature (°C) -23	Lease Condition lcy/snow covered	
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Last 24hr Summary
Circulate well bore with 15.0m³ 35°C potable fresh water containing <4000ppm TDS, Conduct cement job as per program, POOH 60.3mm tbg string, rig out service rig and prep to move in the am. Cement top @ 8.40mKB / 5.55 mfrom Ground Level

24hr Forecast
- Complete service rig out and rig in on WW02-B.

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		Hold Pre-job safety meeting with all personnel, document and discuss all hazards associated with Riggings in Cementing pumper and auxiliary equipment, pressure testing and circulating. Review PJHA, JSA's and ERP.
08:00	12:15	4.25	RPCOMP	RURD	P		<ul style="list-style-type: none"> - Fire up equipment, conduct walk around inspection - no spills or leaks identified on wellhead or equipment. - Warm up equipment. - Rig in pump and tank, Break circulation to rig tank. - Forward circulate 15m³ - 34°C potable fresh water containing <4000ppm TDS to rig tank @ 100lpm / min - pressure = TSTM, with 15m³ circulated return water temperature = 10°C, returns clean. <p>While Circulating conduct the following operations:</p> <ul style="list-style-type: none"> - spot and rig in cementers. - lay out liner under catwalk at end of pipe racks to catch any cement drippings from tubing once pulled. - Spot and rig in vac truck. - Melt ice around casing and remove water with vac truck exposing conductor barrel. - Conduct bubble / soap test on conductor barrel with Environmentally friendly, bio-degradable, phosphate free liquid soap, monitor for 10min with no bubbles. - Take on 2m³ warm fresh water onto cement pumper and circulate pump to warm up. - 12:00 Hrs: Rig in cementers to tbgs, tie vac truck on casing and prep to conduct cement job.
12:15	12:45	0.50	CEMENT	SFTY	P		Hold pre-job safety meeting with all personnel, document and discuss all hazards associated with pressure testing, pumping cement, circulating and pulling out of the hole with 60.3mm tbgs. Discuss personnel's job scope and roles of each service to ensure job procedures fully understood prior to starting the job.
12:45	13:45	1.00	CEMENT	CMNT	P		<ul style="list-style-type: none"> - Break circulation to rig tank, shut in tbgs valve and pressure test treating line to 14.0 mPa. - Mix up Arctic Set cement blend @ 1880 kg/m³ in bins and begin to forward circulate cement mixing on the fly as needed. - With cement 300 liters from surface divert returns from rig tank to vac truck, cement at surface on time with 4.15m³ pumped - collect sample from returns and weight on mud scale = 1900 kg/m³, circulate additional 500 liters (cement left in bin) to vac truck. Max applied pressure through out cement job = 688 kPa. - Bleed off applied pressure, shut in hamer valve and rig out treating line - Cement dropped 0.10m in tbgs, top up tbgs with potable fresh water. - Pour 1 pail of potable fresh water in bop's to assist in washing cement residue from tbgs while pulling out of the hole.

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 4
Report Date: 2/21/2016
Final Job Status: ABANDONED
Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
13:45	14:45	1.00	RPEQPT	TRIP	P		<ul style="list-style-type: none"> - Back out tbg hanger hold down screws - Attempt to strip out tbg hanger and pooh with 60.3mm tbg, elevate string 0.50m and begin to pull over, pull 5,000 daN over - string not pulling free. Clear the rig floor and install ratchet strap on tbg elevators. Work tbg string up to 20,000 daN and tbg skidded up 3m bringing tbg hanger above tbg slips, break out tbg hanger and continue to work tbg free, pull tbg up to 22,000 daN over string weight - tbg skidded up additional 3m +/- then pulled free. Continue out of the hole with 60.3mm tbg string pulling very slow to allow time for cement level to drop as pipe pulled. Pull and lay out 21 Jts 60.3mm tbg c/w space out pups. - Once 5 jts of tbg pulled from the well and fluid level dropped dump rest of pail down tbg and rig out vac truck from csg to clean up cement pumper and Bulker.
14:45	16:00	1.25	CEMENT	CMNT	P		<ul style="list-style-type: none"> - With tbg out of the hole Tie vac truck onto casing, dump 1 pail of fresh water down bop's and clean up internals of bop's, tongs and slips free of cement residue with 3/8" steamer hose (35°C potable fresh water utilized to clean up equipment). - Measure cement top with tally tape = 8.40 mKB / 5.55m from Ground Level. - Rig out Cement pumper and auxiliary equipment. - Rig out vac truck and off-load cement in cement bin on P-20 65-00 126-45.
16:00	16:30	0.50	RPCOMP	SFTY	P		Hold safety meeting with rig crew, document and discuss hazards associated with lowering mast and rigging out service rig. Review C&J JSA.
16:30	18:00	1.50	RPCOMP	RURD	P		<ul style="list-style-type: none"> - Rig out service rig tongs, slips and rig floor. - lower, lay over and secure mast. - Rig out C&J Rig #414 (Bop's left on wellhead - to be removed and installed on WW02-B with Picker). - Secure well, tarp in bop's and wellhead on WW02-B wellhead. - Drain secure and winterize equipment. - SDFN.
18:00	07:30	13.50	WELLPR	OTHR	P		- Boiler hand on location maintaining heat on wellhead, bop's and fluid in rig tank and 400bbl tanks.

Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	23.49	18.00			

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	12,518.50
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,900.00
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
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	35.00
Completion Fluids & Other Chem	HRN CONTRACTING LTD	G300	2,165.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,055.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,134.00
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	2,345.27
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Cementing Services & Materials	SCHLUMBERGER CANADA LIMITED	J200	42,280.44
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 DODO CANYON C-11A (WW02-A)

Report #: 4
Report Date: 2/21/2016
Final Job Status: ABANDONED
Final Report? Yes

Perforations

Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 5
Report Date: 2/22/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A		Secondary Job Type	Total Field Estimate (Cost) 140,362.91	

Objective Abandon Cut and Cap					
Actual Start Date 2/18/2016 07:30	End Date 2/29/2016 12:00	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385946	Total AFE Amount (Cost) 347,500.00	Total AFE + Supp Amount (Cost) 347,500.00	Total Field Estimate (Cost) 136,454.91	AFE-Field Estimate (Cost) 211,045.09	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,350.00	Total AFE + Supp Amount (Cost) 17,350.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,350.00	

Daily Operations					
Report Start Date 2/22/2016 07:30	Report End Date 2/23/2016 07:30	Daily Cost Total (Cost) 6,518.50	Cumulative Cost (Cost) 127,686.91	Personnel Regular Hours (hr) 55.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; Abandonment Engineer, Louis Borbely, 403-650-3939					Rig C&J, 414
Tubing Pressure (kPa)	Casing Pressure (kPa) 0	Weather Clear	Temperature (°C) -17	Lease Condition lcy/snow covered	

Last 24hr Summary
Rig out remaining service rig equipment, Remove water from wellbore with vac truck, measure cement top @ 10.0m from ground level, Tarp in wellhead and heat overnight.

24hr Forecast
Tag cement top with tbq as per program.

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		Hold Pre-job safety meeting with all personnel, document and discuss all hazards associated with Rigging out remaining service rig auxiliary equipment, moving over to WW02-B well. Review PJHA, JSA's and ERP.
08:00	09:30	1.50	RPCOMP	RURD	P		- Fire up equipment, conduct walk around inspection - no spills or leaks identified on wellhead or equipment. - Warm up equipment. - Remove Bop's from Well with loader. - Move planks and beam over to WW02-B well. - Rig in vac truck, run in 2" vac hose to cement top and remove water sitting on top of cement. - Run in plumb bob and tag cement @ 10.0m from ground level. - Visually inspect ID of casing - no cement stringers identified that would cause potential issues installing internal casing cutter. - Install Hole cover, tarp in wellhead and continue to heat with roughneck steam heater.
09:30	09:30	0.00	RPCOMP	OTHR	P		- No operations on wellbore for remainder of day, will tag cement top with tbq as per program following day.
09:30	07:30	22.00	WELLPR	OTHR	P		- Boiler hand on location maintaining heat on wellhead.

Report Fluids Summary					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	15.00	0.00			

Daily Costs			
BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	BP PUMP LTD	Q300	20.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,693.50
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	PBN ENERGY SERVICES LTD	Q300	1,055.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	945.00
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
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,305.00



Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 5
Report Date: 2/22/2016
Final Job Status: ABANDONED
Final Report? Yes

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
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Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 6
Report Date: 2/23/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type	Total Field Estimate (Cost) 140,362.91		

Objective Abandon Cut and Cap					
Actual Start Date 2/18/2016 07:30	End Date 2/29/2016 12:00	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385946	Total AFE Amount (Cost) 347,500.00	Total AFE + Supp Amount (Cost) 347,500.00	Total Field Estimate (Cost) 136,454.91	AFE-Field Estimate (Cost) 211,045.09	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,350.00	Total AFE + Supp Amount (Cost) 17,350.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,350.00	

Daily Operations					
Report Start Date 2/23/2016 07:30	Report End Date 2/24/2016 07:30	Daily Cost Total (Cost) 4,500.00	Cumulative Cost (Cost) 132,186.91	Personnel Regular Hours (hr) 65.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; Abandonment Engineer, Louis Borbely, 403-650-3939					Rig
Tubing Pressure (kPa)	Casing Pressure (kPa) 0	Weather Sunny	Temperature (°C) -10	Lease Condition lcy/snow covered	

Last 24hr Summary
Tag cement top with 88.9Kg (1 60.3mm jt + 10' pup jt) @ 10.02m from Ground Level, Pressure cement to 7.0 mPa for 10min - good test, remove water from wellbore. Install hole cover and maintain heat on wellhead.

24hr Forecast
Top up cement with 100 liters to bring cement top to 5m from ground level.

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 safety meeting with all personnel, document and discuss hazards associated with tagging cement top with tbj, pressure testing and removal of water from wellbore. Review PJHA with all workers.
08:00	09:30	1.50	RPCOMP	OTHR	P		- No operations on well at this time, currently working on off-set well C-11 65-10 126-45.
09:30	11:00	1.50	RPCOMP	OTHR	P		- Spot and rig in picker and vac truck. - Make up 1 60.3mm Tbj jt with 3.07m 60.3mm pup jt. - Pick up tbj jt + pup with picker, run in to wellbore and tag cement top @ 10.02m from Ground Level / 7.17 mKB. - Pull tbj jt and install tbj hanger c/w full opening safety valve (closed), engage lock down screws. - Pressure test cement top to 7.0 mPa for 10min - good test. Bleed off applied pressure. - Remove tbj hanger, run in 1 60.3mm tbj jt c/w 3.07m pup jt, rig in vac truck onto tbj and slowly lower tbj joint while removing water from wellbore down to top of cement. - With water removed pull and lay down tbj jt and pup. - Install hole cover and keep wellhead under heat.

Report Fluids Summary					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	89.79			

Daily Costs			
BU Desc	Vendor	Activity Code	Amount (Cost)
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,500.00
Completion Fluids & Other Chem	HRN CONTRACTING LTD	G300	2,000.00

Cumulative Job Flared Gas By Zone	
Zone	Volume Gas Total (E3m³)

Perforations					
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 7
Report Date: 2/25/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type	Total Field Estimate (Cost) 140,362.91		

Objective Abandon Cut and Cap					
Actual Start Date 2/18/2016 07:30	End Date 2/29/2016 12:00	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385946	Total AFE Amount (Cost) 347,500.00	Total AFE + Supp Amount (Cost) 347,500.00	Total Field Estimate (Cost) 136,454.91	AFE-Field Estimate (Cost) 211,045.09	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,350.00	Total AFE + Supp Amount (Cost) 17,350.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,350.00	

Daily Operations					
Report Start Date 2/25/2016 07:30	Report End Date 2/25/2016 11:45	Daily Cost Total (Cost)	Cumulative Cost (Cost) 132,186.91	Personnel Regular Hours (hr) 65.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Justin Minault, 403-391-0714; Abandonment Engineer, Louis Borbely, 403-650-3939					Rig
Tubing Pressure (kPa)	Casing Pressure (kPa) 0	Weather Clear	Temperature (°C) -10	Lease Condition lcy/snow covered	

Last 24hr Summary
Pour 100 Liters of 1820 kg/m³ Arctic Set into wellbore bringing continuous cement plug top up to 4.50m from Ground Level.

24hr Forecast
Well ready for cut and cap.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
07:30	08:00	0.50	CEMENT	SFTY	P		Hold Pre-job safety meeting with all personnel, document and discuss hazards associated with Handling cement, slips and trips, Working around culvert and spills. Review PJHA + IWTP + MSDS.
08:00	11:15	3.25	CEMENT	WAIT	P		Wait for cement job on off-set well to be completed (WW02-B).
11:15	11:45	0.50	CEMENT	CMNT	P		<ul style="list-style-type: none"> - Rig up low line hand slips on top of tubing bowl. - Run 3.07m 60.3mm tbg pup jt in well and set in low line slips. - Pour 100L of 1820 kg/m³ Arctic Set cement down well through pup jt to prevent cement from adhering to casing walls causing restriction not allowing casing cutters to pass. - Run tally tape into wellbore - Current Cement Top @ 4.50m from Ground Level. <p>- Well is ready for Cut and Cap.</p>

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	

Daily Costs			
BU Desc	Vendor	Activity Code	Amount (Cost)

Cumulative Job Flared Gas By Zone	
Zone	Volume Gas Total (E3m³)

Perforations					
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 8
Report Date: 2/28/2016
Final Job Status: ABANDONED
Final Report? Yes

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type	Total Field Estimate (Cost) 140,362.91		

Objective Abandon Cut and Cap					
Actual Start Date 2/18/2016 07:30	End Date 2/29/2016 12:00	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385946	Total AFE Amount (Cost) 347,500.00	Total AFE + Supp Amount (Cost) 347,500.00	Total Field Estimate (Cost) 136,454.91	AFE-Field Estimate (Cost) 211,045.09	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,350.00	Total AFE + Supp Amount (Cost) 17,350.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,350.00	

Daily Operations					
Report Start Date 2/28/2016 07:30	Report End Date 2/28/2016 11:30	Daily Cost Total (Cost) 3,908.00	Cumulative Cost (Cost) 136,094.91	Personnel Regular Hours (hr) 18.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Mike Flett, 780-933-4595; Abandonment Engineer, Louis Borbely, 403-650-3939					Rig
Tubing Pressure (kPa) 0	Casing Pressure (kPa) 0	Weather Clear	Temperature (°C) -20	Lease Condition Icy/Snow covered	

Last 24hr Summary MIRU Cascade steamer and Clean Harbors semi vac, Hydro vaced around the conductor barrel on the wellhead down 0.30 m from ground level to cement.The cellar area had ice in it.					
24hr Forecast Ready for cut and cap.					

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		Held a PJHA # 02282016 with Cascade steamer crew, Clean Harbors vac crew member. Discussed Hydro vac operations, cold weather, reviewed transportation plan/medic location, lease conditions, 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	RPCOMP	RTWH	P		Rigged in the vac truck and the steamer unit. Hydro vaced the down around the outside of the conductor barrel to a depth of 0.30 m from ground level. The cellar was full of frozen water. Rigged out the steamer and the vac truck, cleaned up tools and equipment. Rigged in on WW02-B on the same pad.

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	

Daily Costs			
BU Desc	Vendor	Activity Code	Amount (Cost)
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	3,908.00

Cumulative Job Flared Gas By Zone	
Zone	Volume Gas Total (E3m³)

Perforations					
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status

Daily Morning Report

COPRC DODO CANYON C-11A (WW02-A)

Report #: 9
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 Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/C-11 65-10 126-45/0		License No. CHINOOK H2O WATER S14L1-003	

Job Information					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type	Total Field Estimate (Cost) 140,362.91		

Objective Abandon Cut and Cap					
Actual Start Date 2/18/2016 07:30	End Date 2/29/2016 12:00	Abandon Date (C&C) 2/29/2016 12:00	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Justin Minault
AFE / RFE / Maint.# 10385946	Total AFE Amount (Cost) 347,500.00	Total AFE + Supp Amount (Cost) 347,500.00	Total Field Estimate (Cost) 136,454.91	AFE-Field Estimate (Cost) 211,045.09	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,350.00	Total AFE + Supp Amount (Cost) 17,350.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,350.00	

Daily Operations					
Report Start Date 2/29/2016 10:15	Report End Date 2/29/2016 12:00	Daily Cost Total (Cost) 4,268.00	Cumulative Cost (Cost) 140,362.91	Personnel Regular Hours (hr) 10.00	
Daily Contacts WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Mike Flett, 780-933-4595; Abandonment Engineer, Louis Borbely, 403-650-3939					Rig
Tubing Pressure (kPa)	Casing Pressure (kPa) 0	Weather Overcast	Temperature (°C) -16	Lease Condition lcy/Snow covered	

Last 24hr Summary
NuWave cut and capped well. See Cut & Cap pictures in Attachments.

24hr Forecast
Ready for reclamation TOTC (Mac Watson 780-865-6368).

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
10:15	10:30	0.25	RPCOMP	SFTY	P		Held a PJHA # 02292016 with NuWave Industries, HRN track hoe operator on cutting and capping the well. Discussed spotting/rigging up, NuWave's Ultra High Pressure Jet Cutter Procedure, cold weather and the associated hazards. Reviewed the site ERP and Injured Worker Transportation Plan with crew members. Crew members safety tickets and orientations checked and valid.
10:30	12:00	1.50	RPCOMP	RTWH	P		Spotted NuWave truck. Set casing cutting tool for 2.54 meters which places the vented cap at 1.5 meters below ground level. Rigged in cutting tool and performed the cut. Rigged out cutting tool. Pulled the Stream Flo Crown 7 1/16 2000 x 7" slip lock csg bowl and csg out of the cellar with the track hoe. Welded the UWI and date on the vented casing cap 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: Production casing: 2.54 meters Surface casing: 1.42 meters The wellhead assembly will sent to GE Oil and Gas in Grande Prairie AB. Moved the equipment to WW02-C (On same pad). Cut and capped WW02-C,

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	

Daily Costs			
BU Desc	Vendor	Activity Code	Amount (Cost)
Trucking/Hauling/ Hot Shot Services	HRN CONTRACTING LTD	P100	1,954.00
Pressure Truck/Hot Oiler	NUWAVE INDUSTRIES INC	S990	2,314.00

Cumulative Job Flared Gas By Zone	
Zone	Volume Gas Total (E3m³)

Perforations					
Date	Zone	Top (mKB)	Btm (mKB)	Shot Dens (shots/m)	Current Status

Appendix 4 Fluid Summary

Fluids Summary

COPRC DODO CANYON C-11A (WW02-A)

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
2/2/2016	FRESH WATER	0.46	RIVER			1715	1723	HRN CONTRACTI...	For Hobbit Enviromental steamer
2/3/2016									

WELL FLUIDS

Start Date	Fluid	To (m³)	From (m³)	Dens (kg/m³)	Non-recov (m³)	Zone	Note
2/2/2016	FRESH WATER	0.46					Fresh water for steamer to thaw ice plug in Csg.

JOB FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	Lease Bal (m³)	To well (m³)	From well (m³)	Left to recover (m³)
	0.00	0.00	0.00	0.00	0.00	0.00
FRESH WATER	0.46	0.00	0.00	0.46	0.00	0.46

Fluids Summary

COPRC DODO CANYON C-11A (WW02-A)

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
2/19/2016	FRESH WATER	57.90	MUNICIPAL		400bbl	5102		PBN ENERGY SE...	Fresh Water containing <4000ppm TDS
2/20/2016	FRESH WATER	11.40	MUNICIPAL		400bbl	5052		PBN ENERGY SE...	Potable Water
2/21/2016	FRESH WATER		WELL	18.00	OTHER LOCATIO...			PBN ENERGY SE...	Fluid transfer to N-20 65-00 126-45
2/21/2016	FRESH WATER	23.49	MUNICIPAL		400bbl	5274		PBN ENERGY SE...	Fresh Potable water containing <4000ppm TDS
2/22/2016	FRESH WATER	15.00	MUNICIPAL		400bbl	5057		PBN ENERGY SE...	Potable fresh water containing <4000ppm TDS.
2/23/2016	FRESH WATER		MUNICIPAL	89.79	OTHER LOCATIO...				Transfer lease fluids to C-11 65-10 126-45.

WELL FLUIDS

Start Date	Fluid	To (m³)	From (m³)	Dens (kg/m³)	Non-recov (m³)	Zone	Note

JOB FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	Lease Bal (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	107.79	107.79	0.00	0.00	0.00	0.00

Appendix 5 SCVF Test Summary

COPRC DODO CANYON C-11A (WW02-A)

Well Header			
Legal WellName	API / UWI	Operator	License No.
COPRC DODO CANYON C-11A (WW02-A)	300/C-11 65-10 126-45/0	CONOCOPHILLIPS	CHINOOK H2O WATER S14L1-003

SCVF TESTS				
Type	Date	Operator	Detection	Com
SCVF	2/21/2016 08:30	Justin Minault	No	Conducted Bubble / Soap test on conductor for 10min with no flow identified

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Appendix 6 Final Wellbore Schematic

Country CANADA		State/Province N.W.T.		Region / Division WCBU		District NEW VENTURES		Field Name Chinook		Field Code 0218	
Surface Legal Location Chinook Ground Water Program				API / UWI 300/C-11 65-10 126-45/0				License No. CHINOOK H2O WATER S14L1-003			
Orig KB/RT (m)		Ground Elevation (m) 0.00		KB-Ground Distance (m)		KB-CF (m)		KB-TF (m)		Total Depth (mKB) 214.00	
VERTICAL - Original Hole, 2/29/2016 12:00:00 PM				Report Start Date 2/29/2016 10:15		Report End Date 2/29/2016 12:00		Primary Wellbore Affected Original Hole			
MD (mKB)	Incl (°)	WELLHEADS									
		Vertical schematic (actual)								Install Date	
		WELL CONFIG: VERTICAL									
-251											
0											
1											
3											
5											
7											
10											
13											
24											
35											
44											
54											
63											
73											
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202											
209											
211											
214											
366											

CASING STRINGS							
Csg Des	OD (mm)	ID (mm)	Wt/Len (kg/m)	Grade	Top Thread	Top (mKB)	Set Depth (mKB)
Production WW02-B	177.8	159.4	38.692	P-110	LTC	-1.75	96.00
Production WW05-A	177.8	159.4	38.692	P-110	LTC	0.00	107.00
Production WW02-A	177.8	159.4	38.692	P-110	LTC	-2.11	207.00

PBTDs				
Date	Type	Depth (mKB)	KO MD (mKB)	TD (max) (mKB)
2/25/2016	Cement Plug	7.35		214.00

Appendix 7 Cut and Cap Photos









Attached Image Files
COPRC DODO CANYON C-11A (WW02-A)

