

# COPRC Dodo Canyon I-06

## APPENDICES

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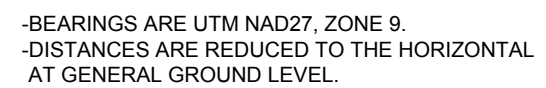
<b>Appendix 1</b>	<b>Legal Survey Plan</b>
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## **Appendix 1      Legal Survey Plan**

ORTHOMETRIC GROUND ELEVATION AT WELL CENTRE IS 268.32 METRES,  
AND WAS DERIVED USING THE HTv2.0 GEOID MODEL

Date \_\_\_\_\_

DATE \_\_\_\_\_



Elevations are ellipsoidal.

## **Appendix 2     Daily Activity and Cost Summary**

# Daily Activity and Cost Summary

## COPRC DODO CANYON I-06 (WW04-A)

<b>Job Category</b> WELL INTERVENTION	<b>Primary Job Type</b> WATER SOURCE WELL TEST	<b>Secondary Job Type</b>	<b>Actual Start Date</b> 2/7/2016 07:00	<b>End Date</b> 2/9/2016 18:00
<b>AFE / RFE / Maint.#</b> 10387556	<b>Total Job AFE Amount (Cost)</b> 56,500.00	<b>AFE+Supp Amt (Cost)</b> 56,500.00	<b>Total Field Estimate (Cost)</b> 25,745.00	<b>AFE-Field Estimate (Cost)</b> 30,755.00

### Objective

Water Well Testing Only

<b>Contractor</b>	<b>Rig Name/No</b>	<b>Rig Type</b>
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### DAILY ACTIVITY & COST SUMMARY

Report No.	Start Date	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum
1	2/7/2016 07:00	9,805.00	9,805.00	Move equipment from WW05-A to WW04-A. Collected discharge water in 20 L plastic pails. Total discharge from well 60 liters. After pump valving was rigged up the 25.4 mm O.D. polyethylene discharge line broke. Pulled out 100 m of poly line to transition point to boreline. Secure boreline to well plate.
2	2/8/2016 07:00	7,970.00	17,775.00	Mobilized to site, Completely removed pump from well. Returned cattle guards to storage area at 27km. Off loaded spools.
3	2/9/2016 07:00	7,970.00	25,745.00	Dropped off samples to BBE/MXL. Shocked wells and conduct video of wells. WW05-A and WW04-A. Load all pipe and pumps from wells. Dropped all equipment in CPC yard.

# Daily Activity and Cost Summary

## COPRC DODO CANYON I-06 (WW04-A)

<b>Job Category</b> ABANDONMENT	<b>Primary Job Type</b> ABANDONMENT P&A	<b>Secondary Job Type</b>	<b>Actual Start Date</b> 2/26/2016 09:30	<b>End Date</b> 3/1/2016 09:30
<b>AFE / RFE / Maint.#</b> 10385946;10385945	<b>Total Job AFE Amount (Cost)</b> 364,950.00	<b>AFE+Supp Amt (Cost)</b> 364,950.00	<b>Total Field Estimate (Cost)</b> 203,301.25	<b>AFE-Field Estimate (Cost)</b> 161,648.75

### Objective

Abandon Cut and Cap

<b>Contractor</b> C & J	<b>Rig Name/No</b> 414	<b>Rig Type</b>
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### DAILY ACTIVITY & COST SUMMARY

Report No.	Start Date	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum
1	2/17/2016 08:00	27,385.00	27,385.00	RIH with a 6.25 mm O.D. steam hose downhole. No Ice encountered (Lowered hose to full extent of reach approximately 100 m. 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	2/26/2016 09:30	65,484.70	92,869.70	MIRU C&J Rig #414 Service Rig & Equipment, Spotted Walks & Racks, Unloaded TBG, Filled & Fired Boiler, Set up 63 m³ Tank, Hauled in Fresh Water, Rigged in 100% Complete, Installed BOPs, Tarped in & Heated BOPs, Heated Fresh Water, Crew Change: MIRU E-Line, RIH 149mm Gauge Ring, Pulled CCL Log across the Perfs to Surface, RIH & Set PBP ce @ 387 mKB, RIH TBG, Spaced out & Landed Hanger, Rolled & Heated Clean Water Tank
3	2/27/2016 06:00	100,433.55	193,303.25	Circulate 10m³ Fresh potable water containing <4000ppm TDS to warm up wellbore - final return temp = 24°C, Conduct cement job as per program laying continuous cement plug from PBP top @ 386.60 mKB up to 7.15 mKB / 4.30m from Ground Level (Measured), Cement plug pressure tested to 7.0 mPa, Rig out Service Rig and support equipment, prepare for transport to next location Dodo Canyon West D-04.
4	2/28/2016 06:00		193,303.25	Rig out Boiler Lines, Cool & Flood Boilers,
5	2/29/2016 07:30	3,908.00	197,211.25	MIRU Cascade steamer and Clean Harbors semi vac, Hydro vaced around the conductor barrel on the wellhead down 1.50 m from ground level to cement. The cellar area had no culvert and was ice and dirt with planks and boards.
6	3/1/2016 07:30	6,090.00	203,301.25	NuWave cut and capped well. See Cut & Cap pictures in Attachments.

## **Appendix 3     Daily Reports**

# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

Report #: 1  
Report Date: 2/7/2016  
Final Job Status:  
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/I-06 65-10 127-00/0		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		34,811.00

<b>Objective</b> Water Well Testing Only					
Actual Start Date 2/7/2016 07:00	End Date 2/9/2016 18:00	Abandon Date (C&C) 3/1/2016 09:30	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Mike Flett
AFE / RFE / Maint.# 10387556	Total AFE Amount (Cost) 56,500.00	Total AFE + Supp Amount (Cost) 56,500.00	Total Field Estimate (Cost) 34,811.00	AFE-Field Estimate (Cost) 21,689.00	

Daily Operations				
Report Start Date 2/7/2016 07:00	Report End Date 2/7/2016 18:00	Daily Cost Total (Cost) 12,827.00	Cumulative Cost (Cost) 12,827.00	Personnel Regular Hours (hr) 55.00
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 Intermittent clouds	Temperature (°C) -22	
				Lease Condition lcy/Snow covered

**Last 24hr Summary**  
Move equipment from WW05-A to WW04-A. Collected discharge water in 20 L plastic pails. Total discharge from well 60 liters. After pump valving was rigged up the 25.4 mm O.D. polyethylene discharge line broke. Pulled out 100 m of poly line to transition point to boreline. Secure boreline to well plate.

**24hr Forecast**  
Complete removal of pump and lines at WW04-A.

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 #744981 with Hobbit crew, Discussed daily operation and hazards.
07:30	18:00	10.50	WELLPR	ALFT	P		Picked up wooden spool from Pyramid Electric. Moved equipment from WW05-A to WW04-A. Warmed pump system valving with Herman Nelson. DTW is 311 m, well TD 473 m. 4 m3 of water in casing. Powered up pump. Pumping is limited due to chloride and conductivity values of water precluding surface discharge. Collected discharge water in 20 L plastic pails. Total discharge from well 60 liters. Steamed well prior to rigging up for removal of pump and lines. After pump valving was rigged up the 25.4 mm O.D. polyethylene discharge line broke. Electric reel attachment to lines was reconfigured to allow withdrawal to continue. Pulled out 100 m of poly line to transition point to boreline. Secured boreline to well plate. Kept genset and flat deck running. SDFN.

<b>Report Fluids Summary</b>					
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

<b>Daily Costs</b>			
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	50.00
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

<b>Cumulative Job Flared Gas By Zone</b>	
Zone	Volume Gas Total (E3m³)

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



# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

Report #: 2  
Report Date: 2/8/2016  
Final Job Status:  
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/I-06 65-10 127-00/0		License No. CHINOOK H2O WATER S14L1-003	

<b>Job Information</b>					
Job Category WELL INTERVENTION	Primary Job Type WATER SOURCE WELL TEST	Secondary Job Type	Total Field Estimate (Cost) 34,811.00		

<b>Objective</b> Water Well Testing Only					
Actual Start Date 2/7/2016 07:00	End Date 2/9/2016 18:00	Abandon Date (C&C) 3/1/2016 09:30	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Mike Flett
AFE / RFE / Maint.# 10387556	Total AFE Amount (Cost) 56,500.00	Total AFE + Supp Amount (Cost) 56,500.00	Total Field Estimate (Cost) 34,811.00	AFE-Field Estimate (Cost) 21,689.00	

<b>Daily Operations</b>					
Report Start Date 2/8/2016 07:00	Report End Date 2/8/2016 18:00	Daily Cost Total (Cost) 10,992.00	Cumulative Cost (Cost) 23,819.00	Personnel Regular Hours (hr) 55.00	
<b>Daily Contacts</b> 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) -24	Lease Condition lcy/Snow covered	

**Last 24hr Summary**  
Mobilized to site, Completely removed pump from well. Returned cattle guards to storage area at 27km. Off loaded spools.

**24hr Forecast**  
Load and ship various spools and pumps at CPC Yard NW. Shock wells with Chlorine, measure DTW in ww05-A and WW04-A and Conduct video of these wells.

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 #744981 with crew.
07:30	18:00	10.50	WELLPR	MOB	P		Fuel up equipment. Mobilize to site and warm up equipment. Continue to remove pump and lines from well. Pull out 25.4mm boreline hose(275m length) Due to electrical fold back and the need to secure downhole pump and lines, electrical line and boreline together. Complete removal. Shocked with 6L of the 12% hypochlorite solution. Return cattle guards to storage area at 27km. Offload spooled lines and keep flat deck and genset running overnight.

<b>Report Fluids Summary</b>					
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

<b>Daily Costs</b>		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	50.00
		Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	HOBBIT ENVIRONMENTAL	M220	8,522.00

<b>Cumulative Job Flared Gas By Zone</b>		Zone	Volume Gas Total (E3m³)

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

# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

Report #: 3  
Report Date: 2/9/2016  
Final Job Status:  
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/I-06 65-10 127-00/0		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		34,811.00

<b>Objective</b> Water Well Testing Only					
Actual Start Date 2/7/2016 07:00	End Date 2/9/2016 18:00	Abandon Date (C&C) 3/1/2016 09:30	Responsible Grp 1 coved	Responsible Grp 2 lborbel	Responsible Grp 3 Mike Flett
AFE / RFE / Maint.# 10387556	Total AFE Amount (Cost) 56,500.00	Total AFE + Supp Amount (Cost) 56,500.00	Total Field Estimate (Cost) 34,811.00	AFE-Field Estimate (Cost) 21,689.00	

<b>Daily Operations</b>					
Report Start Date 2/9/2016 07:00	Report End Date 2/9/2016 18:00	Daily Cost Total (Cost) 10,992.00	Cumulative Cost (Cost) 34,811.00	Personnel Regular Hours (hr) 55.00	
<b>Daily Contacts</b> 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) -23	Lease Condition lcy/Snow covered	

**Last 24hr Summary**  
Dropped off samples to BBE/MXL. Shocked wells and conduct video of wells. WW05-A and WW04-A. Load all pipe and pumps from wells. Dropped all equipment in CPC yard.

**24hr Forecast**  
Deliver steam hose, auger fittings to Chris Tucker. Drop off discharge water from WW04-A with mike Short. Package pumps for shipment down south in heated transport arranged bu Bill Pepper.

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 #744981 with Crew.
07:30	18:00	10.50	WELLPR	DMOB	P		Dropped off samples at BBE/MXL. Mob to site and shock wells. Conduct video surveys of WW05-A and WW04-A. Load all pipe and pumps removed from wells on flat deck and into steamer. Steame recirculation motor stopped sometime in the night (probably early morning as holding tank was still warm) Drop all of recovered download piping, electrical cable, genset, electric reel, expandable aluminum tripod, boreline, etc in CPC yard in Norman Wells.

<b>Report Fluids Summary</b>					
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

<b>Daily Costs</b>			
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	50.00
Welltesting (Eqpmt, Srvc, PTA, Gov't Subs)	HOBBIT ENVIRONMENTAL	M220	8,522.00

<b>Cumulative Job Flared Gas By Zone</b>	
Zone	Volume Gas Total (E3m³)

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

# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

Report #: 1  
Report Date: 2/17/2016  
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/I-06 65-10 127-00/0		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		203,301.25

<b>Objective</b> Abandon Cut and Cap					
Actual Start Date 2/26/2016 09:30	End Date 3/1/2016 09:30	Abandon Date (C&C) 3/1/2016 09:30	Responsible Grp 1 coved	Responsible Grp 2 Iborbel	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) 203,301.25	AFE-Field Estimate (Cost) 144,198.75	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,450.00	Total AFE + Supp Amount (Cost) 17,450.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,450.00	

<b>Daily Operations</b>					
Report Start Date 2/17/2016 08:00	Report End Date 2/17/2016 18:30	Daily Cost Total (Cost) 27,385.00	Cumulative Cost (Cost) 27,385.00	Personnel Regular Hours (hr) 31.50	
<b>Daily Contacts</b> 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)	Weather Clear	Temperature (°C) -38	Lease Condition Icy/Snow covered	

**Last 24hr Summary**  
RIH with a 6.25 mm O.D. steam hose downhole. No Ice encountered (Lowered hose to full extent of reach approximately 100 m. 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**  
Ready for sevice rig to move on. Install a Stream Flo Crown 7 1/16 2000 x 7" slip lock csg bowl on to the surface csg stubs on WW02-A, WW02-B and WW05-A.

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
08:00	08:30	0.50	WELLPR	SFTY	P		Held a PJHA # 02172016 with Cascade steamer crew. Discussed spotting/rigging in the steamer unit, firing the boiler, RIH with the 3/8 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.
08:30	14:00	5.50	WELLPR	WWSP	P		Spotted/rigged in the steamer unit. Switched over to a new 3/8 steam hose and installed it on to the steamers hose reel. fired the boiler, Installed the roller guide on to the 7" csg stub and RIH with the 6.25 mm O.D steam hose and checking for ice plugs in the csg. No Ice encountered (Lowered hose to full extent of reach approximately 100 m). POOH with the 6.25 mm O.D steam hose. Removed the roller guide, rigged out and released the steamer unit.  WS Supervisor drove to Norman wells and picked up the Stream Flo wellhead tech and drove back to location.
14:00	14:15	0.25	WELLPR	SFTY	P		Held a PJHA # 02172016-A 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. 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.
14:15	18:30	4.25	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. (O- ring leaking - no pressure test). Removed the 7" Csg head. Installed 2 new O-rings, cleaned up the surface csg stub. Installed and torqued the 7" Csg head. 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. SDFN.

<b>Report Fluids Summary</b>					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)

<b>Daily Costs</b>			
BU Desc	Vendor	Activity Code	Amount (Cost)
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	3,908.00
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	2,670.00



# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

Report #: 1  
Report Date: 2/17/2016  
Final Job Status: ABANDONED  
Final Report? Yes

Daily Costs			
BU Desc	Vendor	Activity Code	Amount (Cost)
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	2,470.00
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	2,420.00
Build Road & Location	CANOL OILFIELD SERVICES INC	D210	1,170.00
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	2,085.00
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 I-06 (WW04-A)

Report #: 2  
Report Date: 2/26/2016  
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/I-06 65-10 127-00/0		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		203,301.25

<b>Objective</b> Abandon Cut and Cap					
Actual Start Date 2/26/2016 09:30	End Date 3/1/2016 09:30	Abandon Date (C&C) 3/1/2016 09:30	Responsible Grp 1 coved	Responsible Grp 2 Iborbel	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) 203,301.25	AFE-Field Estimate (Cost) 144,198.75	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,450.00	Total AFE + Supp Amount (Cost) 17,450.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,450.00	

<b>Daily Operations</b>					
Report Start Date 2/26/2016 09:30	Report End Date 2/27/2016 06:00	Daily Cost Total (Cost) 65,484.70	Cumulative Cost (Cost) 92,869.70	Personnel Regular Hours (hr) 257.00	

<b>Daily Contacts</b> WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor (DS), Justin Minault, 403-391-0714; WS Supervisor (NS), Marty Dushanek, 403-358-8911; Abandonment Engineer, Louis Borbely, 403-650-3939; Canol Suspension PIM, Kim Clark, 402-540-7460					Rig C & J, 414
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Tubing Pressure (kPa)	Casing Pressure (kPa) 0	Weather Overcast	Temperature (°C) -26	Lease Condition Snow Pack
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<b>Last 24hr Summary</b> MIRU C&J Rig #414 Service Rig & Equipment, Spotted Walks & Racks, Unloaded TBG, Filled & Fired Boiler, Set up 63 m³ Tank, Hauled in Fresh Water, Rigged in 100% Complete, Installed BOPs, Tarped in & Heated BOPs, Heated Fresh Water, Crew Change: MIRU E-Line, RIH 149mm Gauge Ring, Pulled CCL Log across the Perfs to Surface, RIH & Set PBP ce @ 387 mKB, RIH TBG, Spaced out & Landed Hanger, Rolled & Heated Clean Water Tank				
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<b>24hr Forecast</b> Perform Cement Job, POH TBG, Rig out Service Rig & Equipment.				
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Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
09:30	10:00	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.
10:00	16:00	6.00	WELLPR	MOB	P		<ul style="list-style-type: none"> <li>- Conduct walk-around inspection, measure off location to ensure adequate spacing to spot equipment within regulations, No Spills or leaks identified on location.</li> <li>- Move on C&amp;J Service Rig #414, spot in position, lay out planks to accommodate support beam, place beam and rig in jacks and free-standing support equipment.</li> <li>- Conduct derrick inspection with Rig manager.</li> <li>- Stand, raise and secure mast.</li> <li>- Trucks started arriving with loads.</li> <li>- Unload and spot the following equipment: <ul style="list-style-type: none"> <li>- Septic tank</li> <li>- well site shack.</li> <li>- Gen-Set</li> <li>- Doghouse</li> <li>- 2x Boilers</li> <li>- Rig Tank + pump</li> <li>- Clean 400bbl for potable water</li> <li>- Catwalk and pipe racks</li> <li>- Medic Office Trailer.</li> <li>- 4x Light Towers</li> </ul> </li> </ul>
16:00	19:30	3.50	WELLPR	RURD	P		<ul style="list-style-type: none"> <li>- Run and rig in ground cables to all equipment as per CPC policy.</li> <li>- Rig in boiler and apply heat to bop's / wellhead and fluids.</li> <li>- Rig in pump and tank</li> <li>- Run accumulator lines, connect to bop's and conduct accumulator / function test.</li> <li>- Rig in Class III Bop's on well.</li> <li>- Rig in floor, hand rails, v-door and stairway.</li> <li>- Unload 60 jts of 60.3mm J-55 tbg on catwalk. 19:30 Hrs: CREW CHANGE.</li> </ul>

# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

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

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
19:30	20:00	0.50	RPEQPT	SFTY	P		Held PJHA Meeting with All Hands. (13 Total) Discussed Days Objectives, Procedures & Potential Hazards. Discussed Double Checking Service Rig & Equipment. Check Ground Cables, Line Pipe Slings, etc, MIRU E-Line, RIH Gauge Ring, RIH & Set PBP, Pre-Heat Pump Line, P Test BP to 7,000 kPa, RO&R E-Line, RIH TBG, Tag PBP, Space out TBG + Land TBG Hanger, Install Lag Screws, Heat Fresh Water = 28° C Max Temp + Forward Circ to Warm Wellbore. Discussed LSR's # 1, # 3, # 4 + # 8. Discussed Hazards: Footing - Slow it Down, Boiler/Steam Lines, Wind Chill - Very Cold - Don't Overdo it, Hammering - Stand Clear, Heavy Lifting - 2 Guys or Winchline, Overhead Equipment - Tag Line, Good Communication, Pressure Testing - Stand Clear, Red Zones + Safe Drive Home - Watch for Snow Drifts from the Blowing Snow. <> MUSTER AREA = LEASE ENTRANCE. <> >> Discussed Emergency Numbers, Transportation Plan, Paramedic + MTV. <<
20:00	20:30	0.50	RPEQPT	RURD	P		Performed Walk Around Equipment Inspection with Rig Crew. Checked Ground Cables, Line Pipe Slings, etc + Eliminated Trip Hazards.
20:30	23:00	2.50	RPEQPT	ELOG	P		MIRU Schlumberger E-Line Unit. Installed 178mm x R46 Flange above Class III BOP Stack. Made up 148.9mm Gauge Ring/Junkbasket. Pressure Tested Lubricator 1,400 + 14,000 kPa. Solid P Test. RIH with Gauge Ring to 420 mKB. (Tagged Fluid Level @ 135 meters) Pull CCL Log from 420 mKB, across Perfs, to Surface. > Correlated Log on Depth to Perforations from 399.0 - 408.0 mKB. < <> Prior to Arming Bridge Plug; Held Safety Meeting with All Hands. <> Made up & RIH with 178mm x 70K Permanent Bridge Plug. Correlated on Depth to Previously Pulled CCL Log. Set PBP ce @ 387.0 mKB. (Top of PBP @ 386.8 mKB) POH + Laid down Running Gear.
23:00	23:45	0.75	RPEQPT	DHEQ	P		Filled CSG with 2.30 m³ of Potable Fresh Water. Pressure Tested PBP to 7,000 kPa. Pressure Test Held 100% for 10 mins. <> Rigged out & Released Schlumberger E-Line.
23:45	01:30	1.75	RPEQPT	TRIP	P		RIH with 60.3mm EUE TBG. Tagged Top of PBP @ 386.8 mKB. Spaced out & Landed TBG Hanger with EOT @ 385.8 mKB. (EOT was Landed 1 meter above PBP) (Rec'd 0.35 m³ for Displacement RIH) Installed TBG Hanger Lag Screws.  TBG was RIH as Follows: - 60.3mm J-55 EUE TBG Collar. - 40 Jts x 60.3mm J-55 EUE TBG. - 3m x 60.3mm J-55 EUE Pup Jt. (NOTE: 3 meter Pup Directly Below TBG Hanger) - 179mm x 60.3mm TBG Hanger.
01:30	06:00	4.50	CEMENT	WAIT	P		Winterized Pump Line. Circulated (Rolled) Clean Water in 63 m³ Tank + Monitored Water Temperature. Rigged in Pump Lines to Forward Circulate + Warm Wellbore.

### Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER			2.30	0.35	1.95

### Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	24,863.50
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,485.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,555.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,304.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	1,950.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	3,080.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,790.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	4,719.00
Surface Completion Equipment Rental	CENTRAL MACKENZIE ENVIRONMENTAL LTD	Q300	80.00
Surface Completion Equipment Rental	CENTRAL MACKENZIE ENVIRONMENTAL LTD	Q300	120.00
Wellsite Supervision & Engineering	FOCUS WELLSITE SUPERVISION LTD	T130	1,620.00
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	705.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	844.20
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,480.00

# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

Report #: 2  
Report Date: 2/26/2016  
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	1,145.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,224.50
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	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
Electric Line Servs on Drilling Ops.	SCHLUMBERGER CANADA LIMITED	K100	6,307.00
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
Surface Completion Equipment Rental	TRUMPETER CAMP COMPANY PARTNERSHIP LTD	Q300	2,400.00

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 I-06 (WW04-A)

Report #: 3  
Report Date: 2/27/2016  
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/I-06 65-10 127-00/0		License No. CHINOOK H2O WATER S14L1-003			
<b>Job Information</b>							
Job Category ABANDONMENT		Primary Job Type ABANDONMENT P&A		Secondary Job Type Total Field Estimate (Cost) 203,301.25			
<b>Objective</b> Abandon Cut and Cap							
Actual Start Date 2/26/2016 09:30		End Date 3/1/2016 09:30		Abandon Date (C&C) 3/1/2016 09:30			
Responsible Grp 1 coved		Responsible Grp 2 Iborbel		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) 203,301.25			
				AFE-Field Estimate (Cost) 144,198.75			
AFE / RFE / Maint.# 10385945		Total AFE Amount (Cost) 17,450.00		Total AFE + Supp Amount (Cost) 17,450.00			
				Total Field Estimate (Cost) 17,450.00			
				AFE-Field Estimate (Cost) 17,450.00			
<b>Daily Operations</b>							
Report Start Date 2/27/2016 06:00		Report End Date 2/28/2016 06:00		Daily Cost Total (Cost) 100,433.55			
				Cumulative Cost (Cost) 193,303.25			
				Personnel Regular Hours (hr) 290.00			
<b>Daily Contacts</b> WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor (DS), Justin Minault, 403-391-0714; WS Supervisor (NS), Marty Dushanek, 403-358-8911; Abandonment Engineer, Louis Borbely, 403-650-3939; Canol Suspension PIM, Kim Clark, 402-540-7460							
Tubing Pressure (kPa)		Casing Pressure (kPa) 0		Weather Cloud			
				Temperature (°C) -35			
				Lease Condition Snow Pack			
<b>Last 24hr Summary</b> Circulate 10m³ Fresh potable water containing <4000ppm TDS to warm up wellbore - final return temp = 24°C, Conduct cement job as per program laying continuous cement plug from PBP top @ 386.60 mKB up to 7.15 mKB / 4.30m from Ground Level (Measured), Cement plug pressure tested to 7.0 mPa, Rig out Service Rig and support equipment, prepare for transport to next location Dodo Canyon West D-04.							
<b>24hr Forecast</b> Move Rig & Equipment.							
Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
06:00	07:30	1.50	CEMENT	CIRC	P		Continued to Circulate Clean Water Tank + Monitor Water Temperature. 06:45 Hrs: Began to Forward Circulate Well over to Warm Fresh Water. <> Forward Circulated @ 0.10 m³/min with 27° C Fresh Water. 07:30 Hrs: CREW CHANGE.
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 Cementing and auxiliary equipment, circulating and pressure testing, pulling tbg, working with steam, chemicals and airborne hazards (Mixing Cement). Review PJHA, JSA's, MSDS for and IWTP. Check all personnel tickets and CPC orientation cards - all valid.  Crew change and hand-over.
08:00	10:00	2.00	CEMENT	CIRC	P		- Continue circulating fresh water @ 100lpm to warm up well-bore. - Spot and rig in SLB cementing equipment. - Load 15.0m³ potable fresh water on to tank truck and spot to feed cement pumper through out job. - Spot and rig in vac truck to suck back returns containing cement. - Cement pumper took on 1.0m³ warm fresh water and rolled through system to pre-heat all equipment and ensure no frozen or plugged lines. - With 10m³ fresh potable water circulated through wellbore returns @ 24°C, shut down pump, drain and blow down pump line. - Conduct bubble / soap test on conductor with Environmentally friendly, biodegradable, phosphate free soap for 10min with no flow. - Rig in cementers treating line to tbg, forward circulate 0.50m³ to ensure all lines free, shut in hamer and pressure treating line to 14.0 mPa.
10:00	10:30	0.50	CEMENT	CMNT	P		- Mix up Arctic Set to desired weight as per SLB cementing program (1880 kg/m³) and begin to go down hole with cement @ 10:00 Hrs. - Pump 4.67m³ 1880 kg/m³ Arctic Set Cement followed by 300 liters fresh water balancing a 234m plug from top of Permanent Bridge Plug @ 386.80 up to 152.80 mKB. - Isolate tbg and treating line, break off treating line and open hamer - tbg on slight vac.
10:30	11:30	1.00	CEMENT	TRIP	P		- Dis-engage tbg hanger lock down screws. - Strip out and remove tbg hanger. - Pull out and lay down 24 Jts of 60.3mm J-55 tbg. - Install tbg hanger, land and lag up with EOT @ 152.93mKB - Rig in circulating equipment and reverse circulate 1.0m³ potable fresh water to ensure tbg free of cement. Note: Recovered 100 Liters +/- of cement on backwash. - Rig out circulating equipment, rig in cementing treating line to tbg, rig in rig tank directly from casing (by-pass pump manifold).



# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

Report #: 3  
Report Date: 2/27/2016  
Final Job Status: ABANDONED  
Final Report? Yes

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
11:30	12:00	0.50	CEMENT	CMNT	P		<ul style="list-style-type: none"> <li>- Forward circulate 0.50m³ to rig tank with cement pumper to ensure no plugged or frozen lines or valves.</li> <li>- Mix up Arctic Sec Cement as per program (1880kg/m³) and begin to go down hole @ 11:39 Hrs</li> <li>- Forward circulate 3.0m³ 1880 kg/m³ Arctic Set Cement - With 2.80m³ pumped cement in returns at surface, pump additional 200 liters to ensure good cement to surface, collect sample and weigh on mud scale = 1875 kg/m³. Note: Returns diverted to vac truck 200 liters early from cement reaching surface to ensure all cement captured and not in pump lines or rig tank.</li> <li>- With all cement placed shut down pump, rig out cement treating line and pour 20 liters of fresh water into tbg to aid in flushing cement from interior of tbg when pipe pulled from well.</li> <li>- Dis-engage tbg hanger lock down screws, strip out tbg hanger, pour 20 L of fresh water down casing to aid in flushing cement from exterior of tbg when pipe pulled from well.</li> </ul>
12:00	13:30	1.50	CEMENT	TRIP	P		<ul style="list-style-type: none"> <li>- Pull and lay down remaining 16 jts of 60.3mm tbg from well. Note: pulled tbg slowly to ensure adequate time for cement level to drop in tbg preventing a spill.</li> <li>- With all tbg pulled from well rigged in mobile steam truck and flushed internals of bop's to ensure no cement left in ram cavities, bore or preventors themselves.</li> <li>- Pick up tbg hanger c/w 2.42m + 1.24m 60.3mm pup jts below, land tbg hanger and lag up.</li> <li>- With EOT @ 6.51 mKB rig in SLB cementers treating line.(cement top at 9.15 mKB due to metal displacement removed from wellbore).</li> <li>- Forward circulate 200 liters of 1880 kg/m³ Arctic Set Cement to bring cement top to surface followed with 1.0m³ fresh water to leave cement top @ 6.51 mKB / 3.66m from Ground Level (calculated).</li> <li>- Pressure Test cement plug to 7.0 mPa for 10min with no leak off - good test.</li> <li>- Rig out SLB treating line, tie vac truck into landing pup and slowly lower into wellbore to remove water from the top of cement.</li> <li>- Note: Continuous cement plug placed from 386.80 mKB up to 6.51 mKB / 3.66m from Ground Level.</li> </ul>
13:30	19:30	6.00	RPCOMP	DMOB	P		<ul style="list-style-type: none"> <li>- Rig out and clean up SLB cement equipment. (All recovered cement transferred to cement bin on E-76 location).</li> <li>- Empty Rig tank and Transfer 24m³ dirty water to 400bbl on P-20 location for storage until tank trucks arrive to haul to disposal.</li> <li>- Drain and winterize pump.</li> <li>- Rig out rig floor, stairs and v-door.</li> <li>- Lower and lay over mast, rig out Service rig and prepare for transport.</li> <li>- Remove Bop's from wellhead and place on test stump for transport.</li> <li>- Measure cement top = 7.15 mKB / 4.30m from Ground Level.</li> <li>- Unload tbg from pipe racks, rig out catwalk and pipe racks. CREW CHANGE.</li> </ul>
19:30	19:45	0.25	RPCOMP	SFTY	P		<p>Held PJHA Meeting with Night Crew. Discussed Days Objectives &amp; Hazards.</p> <p>Night Crew to finish Rigging out Service Rig Equipment, have Equipment Ready and Boilers Cooled down + Flooded for Rig Move in AM.</p> <p>Discussed Hazards: Heavy Lifting = 2 Guys, Watch Footing + Hammering.</p> <p>Discussed LSR # 1 + 8. &gt;&gt; MUSTER AREA AT LEASE ENTRANCE. &lt;&lt;</p> <p>Ensured All Hands had Conoco Orientation + Valid Oilfield Tickets.</p> <p>&lt;&gt; Discussed Emergency Number + Transportation Plan; MTV + Paramedic on Location. &lt;&gt;</p>
19:45	06:00	10.25	RPCOMP	DMOB	P		<p>Rig Crew finished Rigging out Service Rig Equipment,</p> <p>Thawed Sewer System on Eng Shack + Cooled down &amp; Flooded Boilers.</p> <p>Cleaned up Location + Made Equipment Ready for Rig Move in AM.</p>

### Report Fluids Summary

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	44.09	0.00	0.35	0.09	2.21

### Daily Costs

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	C&J ENERGY PRODUCTION SERVICES CANADA LTD	E120	23,579.50
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,290.00
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	3,908.00
Pressure Truck/Hot Oiler	CANOL OILFIELD SERVICES INC	S990	1,529.50
Surface Completion Equipment Rental	CENTRAL MACKENZIE ENVIRONMENTAL LTD	Q300	40.00
Surface Completion Equipment Rental	CENTRAL MACKENZIE ENVIRONMENTAL LTD	Q300	60.00
Wellsite Supervision & Engineering	FOCUS WELLSITE SUPERVISION LTD	T130	1,620.00
Surface Completion Equipment Rental	HRN CONTRACTING LTD	Q300	105.00
Completion Fluids & Other Chem	HRN CONTRACTING LTD	G300	1,900.00
Completion Fluids & Other Chem	IMPERIAL OIL PRODUCTS & CHEMICALS DIVISION	G300	2,157.60
Trucking/Hauling/ Hot Shot Services	MACKAY EXPEDITING & LOGISTICS	P100	787.50
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,620.00

# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

Report #: 3  
Report Date: 2/27/2016  
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	1,055.00
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	2,299.50
Surface Completion Equipment Rental	PBN ENERGY SERVICES LTD	Q300	1,480.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,145.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	1,224.50
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	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
Cementing Services & Materials	SCHLUMBERGER CANADA LIMITED	J200	50,867.45
Completion Fluids & Other Chem	SRP NORTH VENTURES LTD	G300	360.00
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

# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

Report #: 4  
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/I-06 65-10 127-00/0		License No. CHINOOK H2O WATER S14L1-003	

<b>Job Information</b>					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type	Total Field Estimate (Cost) 203,301.25		

<b>Objective</b> Abandon Cut and Cap					
Actual Start Date 2/26/2016 09:30	End Date 3/1/2016 09:30	Abandon Date (C&C) 3/1/2016 09:30	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) 203,301.25	AFE-Field Estimate (Cost) 144,198.75	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,450.00	Total AFE + Supp Amount (Cost) 17,450.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,450.00	

<b>Daily Operations</b>					
Report Start Date 2/28/2016 06:00	Report End Date 2/28/2016 13:00	Daily Cost Total (Cost)	Cumulative Cost (Cost) 193,303.25	Personnel Regular Hours (hr) 138.00	

<b>Daily Contacts</b> WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor (DS), Justin Minault, 403-391-0714; WS Supervisor (NS), Marty Dushanek, 403-358-8911; Abandonment Engineer, Louis Borbely, 403-650-3939; Canol Suspension PIM, Kim Clark, 402-540-7460					Rig C & J, 414
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather 0 Partly Cloudy	Temperature (°C) -30	Lease Condition Snow Pack	

<b>Last 24hr Summary</b> Rig out Boiler Lines, Cool & Flood Boilers,					
<b>24hr Forecast</b> Well Ready for Surface Abandonment.					

Start Time	End Time	Dur (hr)	Op Code	Activity Code	Time P-T-X	Trbl Code	Operation
06:00	07:30	1.50	RPCOMP	DMOB	P		Rig Crew Finished Rigging out Boiler Lines. Cooled & Flooded Boiler. Ready All Equipment for Rig Move. >>> CREW CHANGE. <<<
07:30	08:00	0.50	RPCOMP	SFTY	P		Hold Pre-job safety meeting with all day personnel, document and discuss all hazards associated with rigging out remaining equipment, loading up all equipment, load securement and demobilizing to next location. Review PJHA, JSA's + IWTP. Check all personnel field tickets + CPC orientation cards - all valid.
08:00	13:00	5.00	RPCOMP	DMOB	P		<ul style="list-style-type: none"> <li>- Rig out Well-site shack, empty septic tank and prep for transport.</li> <li>- Wrap up remaining equipment in light plant and boilers.</li> <li>- Load up and stage Boilers, doghouse and rig pump on E-76 to allow for more room for winch tractors to turn around and load equipment.</li> <li>- Load up misc. load on low boy consisting of Bop's, Septic tank, Planking for shacks and loader bucket and grapple forks.</li> <li>- Load up and haul out the remaining equipment as follows: <ul style="list-style-type: none"> <li>- Wellsite shack</li> <li>- Miscellaneous load as listed above</li> <li>- 2x Boilers</li> <li>- Doghouse</li> <li>- Light plant for Wellsite Shack</li> <li>- Rig Pump.</li> </ul> </li> <li>- Conduct pre-trip inspections on all equipment and transport to 300/D-04 65-10 127-00 (multiple round trips with trucks).</li> <li>- With all equipment off location conduct walk-around inspection - Shovel up stained snow, no spills or leaks identified, all garbage picked up and disposed of.</li> </ul>
13:00	13:00	0.00	RPCOMP	DMOB	P		Note: All equipment moved off of location - Well ready for cut and cap.
13:00	13:00						

<b>Report Fluids Summary</b>					
Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	41.88			2.21

<b>Daily Costs</b>			
BU Desc	Vendor	Activity Code	Amount (Cost)

<b>Cumulative Job Flared Gas By Zone</b>	
Zone	Volume Gas Total (E3m³)

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

# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

Report #: 5  
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/I-06 65-10 127-00/0		License No. CHINOOK H2O WATER S14L1-003	

<b>Job Information</b>					
Job Category ABANDONMENT	Primary Job Type ABANDONMENT P&A	Secondary Job Type	Total Field Estimate (Cost) 203,301.25		

<b>Objective</b> Abandon Cut and Cap					
Actual Start Date 2/26/2016 09:30	End Date 3/1/2016 09:30	Abandon Date (C&C) 3/1/2016 09:30	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) 203,301.25	AFE-Field Estimate (Cost) 144,198.75	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,450.00	Total AFE + Supp Amount (Cost) 17,450.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,450.00	

<b>Daily Operations</b>					
Report Start Date 2/29/2016 07:30	Report End Date 2/29/2016 14:00	Daily Cost Total (Cost) 3,908.00	Cumulative Cost (Cost) 197,211.25	Personnel Regular Hours (hr) 26.00	
<b>Daily Contacts</b> 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) 0	Casing Pressure (kPa) 0	Weather Clear	Temperature (°C) -16	Lease Condition lcy/Snow covered	

<b>Last 24hr Summary</b> MIRU Cascade steamer and Clean Harbors semi vac, Hydro vaced around the conductor barrel on the wellhead down 1.50 m from ground level to cement.The cellar area had no culvert and was ice and dirt with planks and boards.					
<b>24hr Forecast</b> 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 # 02292016 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	14:00	6.00	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 1.50 m from ground level. There was no culvert, there were planks and boards. steamed out the planks and the boards Rigged out the steamer and the vac truck, cleaned up tools and equipment. SDFN.

<b>Report Fluids Summary</b>					
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	2.21

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

<b>Cumulative Job Flared Gas By Zone</b>	
Zone	Volume Gas Total (E3m³)

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

# Daily Morning Report

## COPRC DODO CANYON I-06 (WW04-A)

Report #: 6  
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 Chinook	Field Code 0218
Surface Legal Location Chinook Ground Water Program		API / UWI 300/I-06 65-10 127-00/0		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		203,301.25

<b>Objective</b> Abandon Cut and Cap					
Actual Start Date 2/26/2016 09:30	End Date 3/1/2016 09:30	Abandon Date (C&C) 3/1/2016 09:30	Responsible Grp 1 coved	Responsible Grp 2 Iborbel	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) 203,301.25	AFE-Field Estimate (Cost) 144,198.75	
AFE / RFE / Maint.# 10385945	Total AFE Amount (Cost) 17,450.00	Total AFE + Supp Amount (Cost) 17,450.00	Total Field Estimate (Cost)	AFE-Field Estimate (Cost) 17,450.00	

<b>Daily Operations</b>					
Report Start Date 3/1/2016 07:30	Report End Date 3/1/2016 09:30	Daily Cost Total (Cost) 6,090.00	Cumulative Cost (Cost) 203,301.25	Personnel Regular Hours (hr) 10.00	
<b>Daily Contacts</b> 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) 0	Weather Overcast	Temperature (°C) -16	Lease Condition Icy/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
07:30	07:45	0.25	RPCOMP	SFTY	P		Held a PJHA # 03012016 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.
07:45	09:30	1.75	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: 1.65 meters SDFN.  The wellhead assembly will sent to Stream Flo, Edmonton, AB

<b>Report Fluids Summary</b>					
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	2.21

<b>Daily Costs</b>		BU Desc	Vendor	Activity Code	Amount (Cost)
		Trucking/Hauling/ Hot Shot Services	HRN CONTRACTING LTD	P100	1,365.00
		Wellsite Supervision & Engineering	MJ'S WELLSITE SUPERVISION LTD	T130	1,620.00
		Pressure Truck/Hot Oiler	NUWAVE INDUSTRIES INC	S990	3,090.00
		Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00

<b>Cumulative Job Flared Gas By Zone</b>		Zone	Volume Gas Total (E3m³)

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

## **Appendix 4     Fluid Summary**



# Fluids Summary

## COPRC DODO CANYON I-06 (WW04-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
2/7/2016	FRESH WATER	0.46	RIVER			1715	1723	HRN CONTRACTI...	For Hobbit Enviromental steamer

### WELL FLUIDS

Start Date	Fluid	To (m³)	From (m³)	Dens (kg/m³)	Non-recov (m³)	Zone	Note
2/7/2016	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)
FRESH WATER	0.46	0.00	0.00	0.46	0.00	0.46

# Fluids Summary

## COPRC DODO CANYON I-06 (WW04-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
2/27/2016	FRESH WATER	44.09	WWO2-B		400bbl			CANOL OILFIELD...	Fluid Transferred from C-11 65-10 126-45
2/28/2016	FRESH WATER		MUNICIPAL	21.00	OTHER LOCATIO...			CANOL OILFIELD...	Fluid transferred to dirty 400bbl on P-20.
2/28/2016	FRESH WATER		MUNICIPAL	15.18	OTHER LOCATIO...			CANOL OILFIELD...	Fluid transferred to 300/D-04 65-10 127-00
2/28/2016	FRESH WATER		MUNICIPAL	5.70	Cement Return Bin				Fluid transferred to cement return bin on E-76 for d...

### WELL FLUIDS

Start Date	Fluid	To (m³)	From (m³)	Dens (kg/m³)	Non-recov (m³)	Zone	Note
2/26/2016	FRESH WATER	2.30		1,000.00			Fill Hole + P Test BP
2/26/2016	FRESH WATER		0.35	1,000.00			Steel Displacement RIH with TBG
2/27/2016	FRESH WATER	0.35		1,000.00			Hole fill to pressure test Cement.
2/27/2016	FRESH WATER		0.09	1,000.00			Fluid removed from cement top.

### 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	44.09	41.88	0.00	2.65	0.44	2.21



## **Appendix 5     SCVF Test Summary**

COPRC DODO CANYON I-06 (WW04-A)

Well Header								
Legal WellName COPRC DODO CANYON I-06 (WW04-A)		API / UWI 300/I-06 65-10 127-00/0		Operator CONOCOPHILLIPS		License No. CHINOOK H2O WATER S14L1-003		
SCVF TESTS								
Type	Date	Operator	Detection	Com				
SCVF	2/27/2016 09:30	Justin Minault	No	- Conduct bubble / soap test on conductor with Environmentally friendly, biodegradable, phosphate free soap for 10min with no flow.				

## **Appendix 6      Final Wellbore Schematic**

<b>Country</b> CANADA		<b>State/Province</b> N.W.T.		<b>Region / Division</b> WCBU		<b>District</b> NEW VENTURES		<b>Field Name</b> Chinook		<b>Field Code</b> 0218		
<b>Surface Legal Location</b> Chinook Ground Water Program				<b>API / UWI</b> 300/I-06 65-10 127-00/0				<b>License No.</b> CHINOOK H2O WATER S14L1-003				
<b>Orig KB/RT (m)</b>		<b>Ground Elevation (m)</b> 0.00		<b>KB-Ground Distance (m)</b>		<b>KB-CF (m)</b>		<b>KB-TF (m)</b>		<b>Total Depth (mKB)</b> 214.00		
VERTICAL - Original Hole, 3/1/2016 9:30:00 AM				<b>Report Start Date</b> 3/1/2016 07:30		<b>Report End Date</b> 3/1/2016 09:30		<b>Primary Wellbore Affected</b> Original Hole				
<b>MD (mKB)</b>	<b>Incl (°)</b>	<b>Vertical schematic (actual)</b>		<b>WELLHEADS</b>								
		<b>WELL CONFIG: VERTICAL</b>		<b>Type</b>						<b>Install Date</b>		
				<b>Des</b>		<b>Make</b>		<b>Model</b>		<b>MAOP (kPa)</b>	<b>Top Ring Gasket</b>	<b>Bore Min (mm)</b>
<b>CASING STRINGS</b>												
				<b>Csg Des</b>	<b>OD (mm)</b>	<b>ID (mm)</b>	<b>Wt/Len (kg/m)</b>	<b>Grade</b>	<b>Top Thread</b>	<b>Top (mKB)</b>	<b>Set Depth (mKB)</b>	
				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	
<b>OTHER IN HOLE</b>												
<b>Run Date</b> 2/26/2016				<b>Description</b> Bridge Plug - Permanent				<b>Top Depth (mKB)</b> 386.80		<b>Bottom Depth (mKB)</b> 387.30		
<b>OD (mm)</b> 144.5				<b>ID (mm)</b>				<b>Make</b> Schlumberger		<b>Model</b>		
<b>Comment</b> 7"-10K Permanent Bridge Plug												

## **Appendix 7     Cut and Cap Photos**























