

COPRC Dodo Canyon E-76

XII. Completions Daily Reports

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 1
Report Date: 1/25/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00 PBDT (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 1/25/2014 00:00	Report End Date 1/25/2014 00:00	Daily Cost Total (Cost) 2,961,069.72	Cumulative Cost (Cost) 2,961,069.72	Personnel Regular Hours (hr)
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Daily Contacts

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather	Temperature (°C)	Rig Weatherford, FS 463 Lease Condition
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Last 24hr Summary

24hr Forecast

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T. X	Operation
00:00	00:00		P	Jan 6/2014 - WSS and RCS crew travel to Norman Wells via CPC Charter. RCS Crew orientated via HSE - Derek Tate Jan 7 - 12/2014 - WSS / RCS crew members in CPC Town rack site clearing work areas of snow. Prepare and execute plan to repair 400 bbl tanks / light towers / generators (10 men per day) Jan 13/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment, rental repair Spot and rig in Canol Trucking / RCS and begin loading out 8 x 40 matting to staging area at km 27 on CPC road. Continue repairing RCS rental 400 BBL tanks. (15 men) Jan 14/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment, rental repair Spot and rig in Canol Trucking / RCS and continue loading out 8 x 40 matting to staging area at km 27 on CPC road. Repairs complete on 400 bbl tanks. Load out 1 - Large Fuel light tower to staging area @ km 27 / Load out 2 x 400 bbl tanks and haul to staging area at km 27 / Pre arrange tanks for hauling to staging area / Utilize front end loader to clean areas of accumulated snow fall between equipment after removal. (13 men) Jan 15/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment, rental repair. Spot and rig in Canol Trucking / RCS and continue loading out (pre loading) remaining clean frac tanks and haul to staging area @ km 27 on CPC road. Send RCS crew across river to locate and determine available liners and berming system. Travel in field with Monty Hackett (SLB FRac Crew Co-Ordinator) to perform lease and pre trip road inspection (14 men). Meet with Mac Watson (construction) and discuss dates needed for construction to be ready to spot tank farm.
00:00	00:00		P	Jan 16/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment / repair and maintenance. Spot and in rig in Canol Transport (2 trucks short) continue loading out dirty 400 bbl tanks. (9 men)
00:00	00:00		P	Jan 17/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment / repair and maintenance. Travel over to Project area meet with Dave McCormick(Waste cornat),Norm Garberg (const),DuaneEvans (Sim ops), Mac Watson,discussed requirements & marked area for Medic/Boiler ws , Safety meeting trailer, clean tank farm & 3000 m3 C ring for E76 location .Met Drl consultant Richard Turgeon& to base in Norman Wells. (6 men)

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 1
Report Date: 1/25/2014
Final Job Status: GAS
Final Report? Yes

AILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
00:00	00:00		P	Jan 18/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment / repair and maintenance. Spot and in rig in Canol Transport (2 trucks short) continue loading out dirty 400 bbl tanks. (9 men)
00:00	00:00		P	Jan 19/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment / repair and maintenance. Spot and in rig in Canol Transport (2 trucks short) continue loading out dirty 400 bbl tanks. Traveled to Conoco camp @ km 33 met with George Allerston (camp manager) made arrangements for 16 rooms ,RCS 10 rooms, Weatherford 2 , Conoco 3 ws Lyle ,Trevor & Chris + a spare room.Stopped @ Drl rig location @ km 28 checked with Norm with construction about the clean tank farm pad development,which is to be ready to start placing matting tomorrow.
00:00	00:00		P	Jan 20/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment / repair and maintenance. Spot and in rig in Canol Transport (2 trucks short) continue loading out dirty 400 bbl tanks. (9 men)(-33 w/c) no incidents
00:00	00:00		P	Jan 21/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment & installing a berm system (12 People) .Measured out placed Clean tank farm matting (8x40), 6m off long side of lease & 35 m from north side running south for 60 m X 10 m wide to the west .Waited on flameless heater to return from repairs in Norman wells.Temp (- 32 c w/c) no incidents.
00:00	00:00		P	Jan 22/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment & installing a berm system (12 People) .Heated geo tek & 10m x 55 m liner with 700k air heater , laided out geo tek, assembled berm system panel while liner was warming up.Rolled out liner & built 2 ends 10 m each & back system 55 m installed liner to berm walls.(-25 w/c) no incidents.
00:00	00:00		P	Jan 23/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment & installing a berm system (12 People) .Continue to build Clean tank farm berm system&install tanks, walk way plank system & stairs.Made arrangements for 3 gen sets & 2 50/50 ws ,2 super singles,1 safety ws to be truck over km 28.5 water well for staging til Drl moves off equipment.(-21 w/c)
00:00	00:00		P	Jan 24/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment & installing a berm system (12 People) .Continue to build Clean tank farm berm system&install tanks, walk way plank system & stairs.Made arrangements for 3 gen sets & 2 50/50 ws ,2 super singles,1 safety ws to be truck over km 28.5 water well for staging til Drl moves off equipment.(-21 w/c)
.00	00:00		P	Jan 24/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment (12 People) spot 3 gen sets & 2 50/50 ws ,2 super singles,1 safety ws at km 28.5 til Drl moves off equipment.(-21 w/c)
00:00	00:00		P	Jan 25/2014 - Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding loading out equipment (12 People) spot 1 gen set / WFT Test equipment & light tower at km 28.5 til Drl moves off equipment.(-21 w/c)

FLUID SUMMARY

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

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	***VENDOR NOT LISTED***	Q300	1,117.07
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	9,320.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	7,950.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	24,110.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	20,270.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	17,720.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	29,650.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	9,545.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	10,010.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	11,530.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	8,250.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	6,742.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	800.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	17,385.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	20,470.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	17,140.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	16,180.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	3,500.00
ety Equipment & Services	CONOCO	T430	9,350.00
Safety Equipment & Services	CONOCO	T430	5,000.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	5,000.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	5,000.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	5,000.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	105,000.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 2
Report Date: 1/26/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45	API / UWI 300E7665-10126-45	License No. EL 470			
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00 PBDT (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 1/26/2014 07:30	Report End Date 1/26/2014 17:30	Daily Cost Total (Cost) 1,430,026.49	Cumulative Cost (Cost) 4,391,096.21	Personnel Regular Hours (hr) 184.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Lyle McGratton, 403 968-3505; WS Supervisor, Trevor Oleskiw, 403 581-5126

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -20	Lease Condition Rough
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Last 24hr Summary

Continue staging equipment from Norman Wells / Ice Road to O6 location

24hr Forecast

Continue staging equipment from Norman Wells / Ice Road to O6 location / Repair and maintenance on equipment

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T. X	Operation
07:30	08:00	0.50	P	Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding equipment maintenance / spotting and offloading equipment
08:00	17:30	9.50	P	Lyle McGratton / Trevor Oleskiw / RCS crew travel to P20 rig site to install berming system for dehydrator unit / tank farm. Job cancelled. Crew sourced out liner / berming system for tank farm. Chris Kendall / WFT Test crew inspect test equipment and noted deficiencies / damages. Pics captured and sent to G.P. operations. Offloaded 2 x Aerial Work Platforms from Ron's Auto in Yellowknife. Spot and rig in heat to I.E.S. work trailer. Spot and rig in HD Rentals recycle trailer

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	27.00	0.00	27.00	0.00	27.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
In-House Engineering & Design	CONOCO	V100	34,500.00
In-House Engineering & Design	CONOCO	V100	386,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	91,800.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	18,900.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	5,062.50
Maintain Road & Location	GP MASONRY	D230	1,890.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	6,345.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	2,000.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	2,000.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	2,000.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	2,000.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	2,000.00
Surface Completion Equipment Rental	MYB CONSTRUCTION LTD	Q300	10,800.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	10,440.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	3,000.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	6,860.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	80,880.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	405.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	100.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 3
Report Date: 1/27/2014
Final Job Status: GAS
Final Report? Yes

LL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45	API / UWI 300E7665-10126-45	License No. EL 470			
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00 PBTd (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 1/27/2014 07:30	Report End Date 1/27/2014 17:30	Daily Cost Total (Cost) 306,629.50	Cumulative Cost (Cost) 4,697,725.71	Personnel Regular Hours (hr) 280.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Lyle McGratton, 403 968-3505; WS Supervisor, Trevor Oleskiw, 403 581-5126				Rig Weatherford, FS 463
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -20	Lease Condition Rough

Last 24hr Summary

Continue staging equipment from Norman Wells / Ice Road to O6 location / Repair and maintenance on equipment

24hr Forecast

Begin moving equipment on location from staging areas

ILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
07:30	08:00	0.50	P	Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding moving equipment / equipment maintenance
08:00	17:30	9.50	P	Continue inspecting test equipment / transporting light towers / light stands / washrooms onto storage site at km 27.5 and O6 location. WSS Crew Change Lyle McGratton - Days off Trevor Oleskiw - On shift Myles Hahn - On shift Mike Short - On shift Chris Kendall - On shift

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	27.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Wellsite Supervision & Engineering	***VENDOR NOT LISTED***	T130	30,000.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	1,650.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	650.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	650.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	650.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	650.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	650.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	650.00
Completion Fluids & Other Chem	CORNERSTONE OILFIELD SERVICES LTD	E120	91,800.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	18,900.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	Q300	5,062.50
Surface Completion Equipment Rental	HODGSON'S CONTRACTING (2005) LTD	T430	6,345.00
Safety Equipment & Services	M HAHN CONSULTING INC	T130	2,080.00
Wellsite Supervision & Engineering	MACKAY RANGE DEVELOPMENT CORP	Q300	25,000.00
Surface Completion Equipment Rental	MYB CONSTRUCTION LTD	Q300	7,500.00
Surface Completion Equipment Rental	MYB CONSTRUCTION LTD	Q300	10,800.00
Surface Completion Equipment Rental	MYB CONSTRUCTION LTD	Q300	10,440.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 4
Report Date: 1/28/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45	API / UWI 300E7665-10126-45	License No. EL 470			
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00 PBDT (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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A/E COST SUMMARY

A/E / RFE / Maint.# 10351695	Total A/E Amount (Cost) 2,111,000.00	Total A/E + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	A/E-Field Estimate (Cost) -207,381.14
A/E / RFE / Maint.# 10359413	Total A/E Amount (Cost) 16,997,500.00	Total A/E + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	A/E-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 1/28/2014 07:30	Report End Date 1/28/2014 17:30	Daily Cost Total (Cost) 122,457.00	Cumulative Cost (Cost) 4,820,182.71	Personnel Regular Hours (hr) 394.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Michael Short, 403 348-7127

Tubing Pressure (kPa) 0	Casing Pressure (kPa) 0	Weather Overcast	Temperature (°C) -21	Lease Condition Rough
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Last 24hr Summary

Continue offloading completion equipment / Offload 93 m³ methanol / Prep West side for shacks / Spot Generator and Meeting Shack

24hr Forecast

Begin spotting C-Ring base and liner / Haul in office shack and sleepers / Install Gate Valve / Nipple up frac head / prep location with construction for flow back

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T. X	Operation
07:30	08:00	0.50	P	Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding multiple operations.
08:00	17:30	9.50	P	<p>Continue offloading equipment from Ice Road C-Ring and related equipment Generator and transfer pump 93 m³ Methanol 157 m³ sawdust for C-Ring Base 5 - Loads staged in Norman Wells for Jan 29/14 delivery</p> <p>Spotted and rigged in 115 kW Generator and Safety Meeting Shack Prep side of location via construction for C-Ring base and Office shacks.</p> <p>NOTE: During discussion with Stream Flo industries representative on Jan 26/2014 it was revealed that primary seal on Intermediate head was leaking and would not hold pressure. Contacted Stream Flo industries in Edmonton and arranged for Arctic Pac to be delivered on Chartered Flight Jan 27/14. Received arctic pac on Jan 27/14 and waited until liner was removed and construction complete around wellhead to continue pressure testing operations. MIRU Enerbuilt Technologies Flameless heater and heated wellhead for 4 hours prior to beginning pressure test operations. Zero Well Pressure.</p> <p>Stream Flo rep contacted main office for advice regarding amount of Arctic Pac grease to inject to effect seal. SFI Rep injected 12 sticks of Arctic Pac grease into primary seal of 11" x 5 K intermediate casing valve. Slight evidence of enviro-oil spilling out of intermediate casing valve.</p> <p>SFI Rep attempted to pressure test seals inside Intermediate Bowl on landing mandrel and was able to bypass. WSS utilized flash light to peer through 2" casing valve and tell if oil was coming up or down and noticed that Pack-off was not correctly aligned with intermediate spool (appears to be misaligned by +/- 40%). Pic captured and sent to G.P. operations, Derrick Cove and discussed findings.</p> <p>Pressure tested primary seal on 4 1/2" production casing to 6000 psi = Good 15 minute test. Pressure tested secondary seal on 11" x 5K intermediate spool to 5000 psi = Good 15 minute test. Repositioned flameless heater to 7 1/16" gate valve for morning install</p>

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	93.00	0.00			27.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 5
Report Date: 1/29/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45	API / UWI 300E7665-10126-45	License No. EL 470			
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective
Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.#	Total AFE Amount (Cost)	Total AFE + Supp Amount (Cost)	Total Field Estimate (Cost)	AFE-Field Estimate (Cost)
10351695	2,111,000.00	2,111,000.00	2,318,381.14	-207,381.14
AFE / RFE / Maint.#	Total AFE Amount (Cost)	Total AFE + Supp Amount (Cost)	Total Field Estimate (Cost)	AFE-Field Estimate (Cost)
10359413	16,997,500.00	20,641,514.00	19,626,951.61	1,014,562.39

DAILY INFORMATION

Report Start Date 1/29/2014 07:30	Report End Date 1/29/2014 17:30	Daily Cost Total (Cost) 137,279.00	Cumulative Cost (Cost) 4,957,461.71	Personnel Regular Hours (hr) 382.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Michael Short, 403 348-7127				Rig Weatherford, FS 463
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -22	Lease Condition Rough

Last 24hr Summary

Complete C-Ring Pad / Measure and partially spread sawdust / Install 7 1/16" x 10K Gate Valve / Install 4 1/16" Gate Valve / Flow Block / MIRU Office Shacks / Sleepers / Power / Septic / Light Towers.

24hr Forecast

Set up 3000 m³ C-Ring / MIRU Temporary work platform / Install buffalo head / Offload water to C-Ring / Spot boiler / Generator / Begin spotting test equipment

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T. X	Operation
07:30	08:00	0.50	P	Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding multiple operations / hauling equipment / installing frac head
08:00	17:30	9.50	P	RCS Crew continue offloading and tallying equipment being delivered and noting deficiencies. CPC Construction still on location preparing pad for C-Ring / East / South sides of location for equipment positioning. CPC Environmental on location looking after loading out cuttings waste and loading out materials Remove 7 1/16" top cap from THF and visually inspect inside and notice 1/4" squared shoulder that may create hang up area during coil ops. Pic captured and sent to G.P. operations, Derrick Cove for interpretation and discussion. Installed and torqued to spec via I.E.S. hydraulic torque wrench the 7 1/16" Gate Valve. Installed and torqued to spec via I.E.S. hydraulic torque wrench the lower half of the frac head (flow block with 4 1/16" manual valve) Spotted and rigged in Medical / Boilerman 50/50 Shack, Wellsite Supervisor / Weatherford Testing 50/50 Shack, 2 x Completion Superintendent and Engineering sleepers / Power / Garbage / Septic / light Towers. Pace off and mark out base for C-Ring install. Partially spread sawdust for base. Install personal fall restraint systems on 400 bbl tanks Removed 2 1/16" x 34.5 mPa surface casing valves / installed blanking flanges / installed 2" vent piping system Continue filling intermediate seal void with Arctic Pac grease and enviro-oil and establish 3800 psi test. Lost 100 psi over 15 min. Bleed back to zero and retest seals in morning to confirm integrity

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	27.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Service Rig	CANOL OILFIELD SERVICES INC	E120	5,800.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	19,235.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,760.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,920.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,920.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	2,000.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	6,345.00
Wellsite Supervision & Engineering	M HAHN CONSULTING INC	T130	1,670.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	900.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 6
Report Date: 1/30/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45	API / UWI 300E7665-10126-45	License No. EL 470			
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00 PBDT (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.#	Total AFE Amount (Cost)	Total AFE + Supp Amount (Cost)	Total Field Estimate (Cost)	AFE-Field Estimate (Cost)
10351695	2,111,000.00	2,111,000.00	2,318,381.14	-207,381.14
AFE / RFE / Maint.#	Total AFE Amount (Cost)	Total AFE + Supp Amount (Cost)	Total Field Estimate (Cost)	AFE-Field Estimate (Cost)
10359413	16,997,500.00	20,641,514.00	19,626,951.61	1,014,562.39

DAILY INFORMATION

Report Start Date 1/30/2014 07:30	Report End Date 1/30/2014 18:30	Daily Cost Total (Cost) 158,666.00	Cumulative Cost (Cost) 5,116,127.71	Personnel Regular Hours (hr) 372.00
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Daily Contacts

Completion Engineer, Theom LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Michael Short, 403 348-7127

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -18	Lease Condition Rough
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Last 24hr Summary

Spread sawdust for under C-ring liner. Performed a 10 minute SCVF test as per directive 20. Zero bubbles (no flow) detected in 10 minutes. Good test. Pumped 1/2 stick of arctic pack into wellhead and pressure tested intermediate casing bowl primary seals to 33.5MPa for 15 minutes. Good test. CPC construction worked on several parts of location building up lease and leveling. Spread out Geo mat and liner for C-ring. Stood C-ring.

Forecast

Finish rig in of C-ring and start to fill. Spot boilers and frac manifold. Pump and ready water transfer station at lake.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
07:30	08:00	0.50	P	Held a daily safety and operations meeting with all personnel. Reviewed and discussed CPC PJHA #30012014 regarding daily activities and all associated hazards. Reviewed and discussed ERP plan and emergency procedures.
08:00	11:45	3.75	P	Performed a walk around inspection. Utilized track hoe to finish dumping sawdust into C-ring area (loader was supposed to do it but was broken down this morning). Attempted to use the grader to level out sawdust but were unsuccessful as the sawdust just slid on the ice and bunched up. Spread and leveled out all sawdust by hand with shovels (108' diameter). Performed a ten minute SCVF test as per directive 20. Zero bubbles (no flow) in ten minutes. Good test. Stream flo pumped 1/2 a stick of arctic pack into wellhead and pressure tested the primary seals on the intermediate casing bowl. Pressured up to 33500kPa. Pressure held solid for 15 minutes with no leak off. Good test. Filled 1.0m deep cellar up with sawdust. Construction leveled area around wellhead and froze in.
11:45	13:30	1.75	P	Moved Geo textile fiber cloth over to C-ring area and spread out over the sawdust. Spread out liner over top of Geo mat. Spotted HD work platform at wellhead. Moved on and spotted Weatherford tool shead and NOV gen set. Heated gen set with dry heat machine.
13:30	18:30	5.00	P	Started to rig in Sewer system on shacks. Rigged in full satellite communications package (see phone numbers below). Spotted C-ring panels with track hoe. Stood all 16 panels one by one securing each one as we went (40km wind gust slowed rigging in panels considerably). Construction was continuing to build up and level side of location where flow back tank farm is to be spotted. All drilling's mix off bins and contaminated snow have now been hauled off location. Secured equipment for the night. We will continue with Rig in of C-ring liner in the AM. On site communications satellite phone numbers: Well Site Supervisors Shack: 403-538-6877 Test Shack: 403-538-6861 Superintendents Shack: 403-444-1305 Engineers shack: 403-648-9061

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	27.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	5,000.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 7
Report Date: 1/31/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00 PBD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 1/31/2014 07:30	Report End Date 1/31/2014 18:30	Daily Cost Total (Cost) 672,989.00	Cumulative Cost (Cost) 5,789,116.71	Personnel Regular Hours (hr) 498.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Michael Short, 403 348-7127

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C) -8	Lease Condition Ice Pad
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Last 24hr Summary

Construction continued to build and level south side of location. Continued to haul in and spot equipment (HD boiler, RCS pump shack and water management equipment, frac manifold, 8 x 40 mats, 90 ton crane). Finished rig in of C-ring. Off loaded 75m³ of clean fresh water from Lake into C-ring.

24hr Forecast

ul in all Weatherford test equipment and spot. Rig in flow back tank farm.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
07:30	08:00	0.50	P	Held a daily safety and operations meeting with all personnel. Reviewed and discussed CPC PJHA #31012014 regarding daily activities and all associated hazards. Reviewed and discussed ERP plan and emergency procedures.
08:00	16:15	8.25	P	Performed a walk around inspection. 08:00 - 16:15 Continued with rig in of C-ring. Pulled liner up walls of C-ring and clamped. 08:00 - 17:30 Construction continued to build up and level south side of location (all testing equipment and flow back tank farm will be on the south side of location). Spotted HD boiler. Heated boiler with dry heat fired up built in generator. Spotted RCS pump shack by C-ring. Moved RCS submersible pump and 8" aluminum pump lines down to the Lake. CPC construction augured 2 holes in lake (ice was profiled at 130cm and is good for 67000kgs). Mobile boiler was used to widen auger holes in ice (monitored by CPC environmental hand Gord Saurer). Moved in 90 ton crane and spotted frac manifold in tank farm. Hauled in 11 8 x 40 mats.
16:15	18:00	1.75	P	Black Opal continued to rig in septic system for shacks (not finished yet). Off loaded 75m³ of fresh water into the C-ring from the Lake (WS-02). Finished trimming liner around outside of C-ring. Secured equipment for the night.

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	75.00	0.00			27.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	5,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	2,835.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	5,947.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	5,952.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	50,800.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 8
Report Date: 2/1/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45	API / UWI 300E7665-10126-45			License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall

A/E COST SUMMARY

A/E / RFE / Maint.# 10351695	Total A/E Amount (Cost) 2,111,000.00	Total A/E + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	A/E-Field Estimate (Cost) -207,381.14
A/E / RFE / Maint.# 10359413	Total A/E Amount (Cost) 16,997,500.00	Total A/E + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	A/E-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/1/2014 07:30	Report End Date 2/2/2014 06:00	Daily Cost Total (Cost) 193,716.00	Cumulative Cost (Cost) 5,982,832.71	Personnel Regular Hours (hr) 618.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Michael Short, 403 348-7127				Rig Weatherford, FS 463
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Light Snow	Temperature (°C) -8	Lease Condition Ice Pad

Last 24hr Summary

Hauled water from lake (WS-02) and off loaded into C-ring. Filled boilers and fired. Moved on all Weatherford testing equipment and started to rig in. Spotted mats for flowback tank farm. Started 24 hour operations (fluid hauling).

24hr Forecast

in test equipment. Move in frac equipment and spot. Build berm system for flowback tank farm.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T.-X	Operation
07:30	08:00	0.50	P	Held a daily safety and operations meeting with all personnel. Reviewed and discussed CPC PJHA #01022014 regarding daily activities and all associated hazards. Reviewed and discussed ERP plan and emergency procedures.
08:00	18:30	10.50	P	Performed a walk around inspection. Started to haul water from lake (WS-02) filling C-ring and 400bbl frac tanks. Filled #1 HD boiler with water and fired. Spotted rigless anchors around wellhead for coil tubing. Spotted HD heat exchanger and #2 HD boiler. Filled boiler with diesel and water. Fired #2 boiler and created head of steam. Continued to haul RCS water management equipment to WS-02. Cut hole in ice. Spotted pump station and sunk submersible pump. Fired generator, plugged in pump and rigged in lights. Laid 8" water transfer/load line to edge of lake. Tied in 8" suction from C-ring into the transfer pump. Installed victolic flanges onto the frac manifold. Rigged 8" line from transfer pump into frac manifold. Hauled in and spotted mats needed for Weatherford test equipment. Spotted flare stacks. Hauled in and spotted all remaining test equipment and started to rig in. Spotted 12 mats on south side of location for flowback tank farm. Tarped in and heated liner and Geo mat for tank farm.
18:30	19:30	1.00	P	Night shift crews arrived on location. Held pre-job safety and operations meeting with night shift personnel. Review PJHA # 01022014C on hauling and heating water hazards. Discuss ERP plan and procedures. Ensure workers have all required training certificates. New workers fill out medical forms for medic. Perform lease walk around.
19:30	06:00	10.50	P	Continue to haul water from lake (WS-02) to fill C-ring and 400bbl frac tanks. 02:30am was able to catch prime with heat exchange unit and begin heating C-ring. Estimated volume to tank - 840 m³

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	1,520.00	0.00			27.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	554.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	5,952.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	14,712.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 9
Report Date: 2/2/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00 PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/2/2014 06:00	Report End Date 2/3/2014 06:00	Daily Cost Total (Cost) 184,723.00	Cumulative Cost (Cost) 6,167,555.71	Personnel Regular Hours (hr) 648.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Michael Short, 403 348-7127

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C) -11	Lease Condition Ice Pad
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Last 24hr Summary

Continue rigging in test equipment / Continue offloading frac water from WS02 / Erect and secure dirty tank farm containment system / reposition materials on location / Spot single sand chief and offload PCM, Blender, Labs unit / Rig in boiler to wellhead and circulate

24hr Forecast

Spot dirty tank farm / continue rigging in test equipment / disassemble lower frac head and gate valve and install top cap on tubing head / Continue hauling water from WS02

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	Continue water haul from WS02 water source to C-Ring / Tank Farm
06:30	07:00	0.50	P	Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding spotting equipment / handling equipment / handling steam and boiler operations / rigging in test equipment / hauling water
07:00	07:15	0.25	P	Crew Change
07:15	18:00	10.75	P	Continue hauling in 900 m³ water from WS 02 via JB water hauling / Cascade Partnership Begin rigging in test equipment from line heater to high stage / Hot Head / Flare / Pop lines Erect and secure 8.5m x 35m Containment system for flowback tank farm. Spot and rig in Clean Harbors trailered twin heating unit. NOTE: Boko fuel sensing switch. No parts available to replace. Rig in second Clean Harbors trailered twin heating unit with Clean Harbors portable boiler providing steam and preheating tank valves. Reposition crates of material located in various parts of location with loader Spot and rig in Rig and Well trucking and offload 25 m³ Methanol
18:00	18:30	0.50	P	WSS Shift Change
18:30	19:00	0.50	P	Safety and operational meeting with night shift conducting CPC PJHA #02022014. Crew Change
19:00	06:00	11.00	P	Haul water from WS02 water source via 4 Cascade trucks, 1-Rig and well truck and 1-NTS truck to C-ring. Clean Harbours heat 400bbl frac tanks to 40°C. Heat water in C-ring with HD heat exchanger. Haul in 960m³ water to C-ring in last 12 hours (6 trucks - 30m³ loads).

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	1,885.00	0.00			27.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	554.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	6,104.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	19,128.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	4,670.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 10
Report Date: 2/3/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/3/2014 06:00	Report End Date 2/4/2014 06:00	Daily Cost Total (Cost) 231,023.00	Cumulative Cost (Cost) 6,398,578.71	Personnel Regular Hours (hr) 764.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Michael Short, 403 348-7127

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C) -12	Lease Condition Ice Pad
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Last 24hr Summary

Remove frac head and gate valve / Set up flow back tank farm / spot sand chiefs / offload 180 m³ H₂O / Offload 50 m³ 28% Acid / Begin offloading sand / Haul water to work tank / Heat frac water / Heat water for CT cleanout.

24hr Forecast

Continue to heat Frac water / Install new tubing spool + test / Install frac head / Spot SLB Frac and CT equipment.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T.-X	Operation
06:00	06:30	0.50	P	Continue hauling in frac water to C-Ring / Continue heating tanks with Twin Heater / Continue heating C-Ring with Boiler Wellsite Supervisor Shift change
06:30	07:00	0.50	P	Safety and procedural meeting with all on location regarding daily activities. Conduct CPC PJHA regarding MIRU Frac / Tank Farms / Haul Fluids
07:00	18:00	11.00	P	Crew Change Spot and rig in Schlumberger sand chiefs / Hurricane dustless sand system / Bexson Transport and offload sand Spot and rig in Canol Trucking and offload 16 x 400 bbl tanks and set up in 9m x 35m containment. Continue rigging in test equipment to stacks / shipping lines Spot and rig in Cascade trucking and offload 180 m³ H₂O from WS-02 Spot and rig in Scott Safety Shower Trailer / Air Trailer Spot and rig in Trophy Buck Tank Truck and offload 50 m³ 28% HCl NOTE: Lost 4 hr heating time due to no fuel truck arriving at site.
18:00	18:30	0.50	P	WSS Shift Change
18:30	19:00	0.50	P	Held a daily safety and operations meeting with all night shift personnel. Reviewed and discussed CPC PJHA #02032014 regarding night time activities, job procedures and all associated hazards. Crews performed cross shift.
19:00	23:00	4.00	P	Continued to heat frac 400bbl tanks with Canol (Clean Harbors) twin hot oiler. Hauled 80m³ fresh water from WS-02 and off loaded into 400bbls in flowback tank farm. 60.0m³ into one 400bbl and 20m³ into second 400bbl tank. Transferred 30m³ methanol across location and offloaded into 400bbl tank with 20m³ water for a 60/40 blend. Rigged steam to flowback tank farm and heated both tanks.
23:00	06:00	7.00	T	Hot Oiler repositioned and started to heat C-ring. After 10 minutes of heating C-ring hydraulic oil started to come out of vent cap on the passenger side hydraulic tank. Unit was shut down immediately and a drip tray was placed under the tank. No oil was spilled on the ground and the oil coming down the side of the tank was cleaned up immediately with absorbent pads. Clean Harbors hands trouble shot including calling their mechanic for advice but could not fix the problem. Every time clutch was engaged to the hydraulic pumps the oil level in hydraulic tank would rise and have to be shut down before overflowing. Called local mechanic through Hodgsons and he was not available to come out till 06:30 in the morning. Removed filters and tried again with the same results. Drained hot oiler unit and hoses. Note: The second Canol (Clean Harbors) twin hot oiler unit (contingency plan if first one breaks down) is parked at the 27.5KM rack site broken down and waiting for parts to arrive before it would be operational. Continued to heat C-ring with heat exchanger. Average water temperature at 06:00 in C-ring is 11°C.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 11
Report Date: 2/4/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/4/2014 06:00	Report End Date 2/5/2014 06:00	Daily Cost Total (Cost) 596,816.00	Cumulative Cost (Cost) 6,995,394.71	Personnel Regular Hours (hr) 732.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Michael Short, 403 348-7127

Tubing Pressure (kPa) 0	Casing Pressure (kPa) 0	Weather Overcast	Temperature (°C) -12	Lease Condition Ice Pad
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Last 24hr Summary

Spotted SLB CT and frac equipment / Removed tubing spool / Installed and pressure tested new tubing spool / Installed 179mm 10K valve and IES frac wellhead / Riggged in work platform and heated wellhead / Pressure tested CT BOPs and SLB over pressured 69MPa BOP stack / Schlumberger removed BOPs from service / Pressure tested intermediate casing to 30MPa - Good test.

Forecast

Pressure test CT BOPs / Pressure test wellhead and Weatherford flow line / RIH CT with mill and motor assembly

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discuss Conoco PJHA for multiple operations; spot CTU and equip, frac equip, finish r/u test equip, heating fluids, and r/u frac wellhead assembly. All tickets checked and valid.
07:00	12:30	5.50	P	Repaired hydraulic system, thawed out manifold on Hot oiler, started heating "C" Ring frac water ("C" Ring vol est @2,786.0m³ f/w). Continued to r/u frac manifold and frac 400's, and Weatherford test equip. Moved in and spotted Coiled Tbg equip, tarped in and heated Buffalo Head and Coiled Tbg BOP stack. R/u SOC 10 K pumping unit, built spill containment area for blender, started to spot frac equip. Finished r/u steam heat system for flow back tank farm, fueled up all equip.
12:30	16:00	3.50	P	Pick up Coil injector, slip and cut 5m of coil tbg off of coil string, Install Slip Dimple connector and plate for pull testing. Pull test coil connector to 21,000 lbs. Good test. Rig in 4" trash pump to circulate C-ring. Spot Chemical van and frac pumpers.
16:00	18:00	2.00	P	Remove existing 11" 5K x 7 1/16" 10K Tubing Head. I.D of Landing Nipple - 116.04mm Install new 11" 5K x 7 1/16" 10K Tubing Head, Bit Guide I.D 104.39mm. Nipple up and energize PI Internal seals to 44,815 KPa, pressure test to 41,368KPa for 10min. Good test. Pressure test Primary Seals to 34,000KPa for 10min, good test. Install and nipple up: - 7 1/16" 10K Gate Valve (Function 17 1/4 turns) - 7 1/16" 10K x 4 1/16" 10K Adapter - 4 1/16" 10K Gate Valve Pick up and install Frac Stack as follows: - 101.6mm (4 1/16") 69MPa hydraulic master valve - 0.3m x 101.6mm (4 1/16") 69MPa spacer spool. - 101.6mm (4 1/16") 69.0MPa two port flow block - c/w one (1) 50.8mm (2 1/16") 69MPa gate valve on one side. - c/w two (2) 76.2MM (3 1/16") 69MPa gate valves on the other side - 0.3m x 101.6mm (4 1/16") 69MPa spacer spool - 101.6mm (4 1/16") 69MPa hydraulic swab valve - c/w removable 69MPa test flange on top.
18:00	18:30	0.50	P	WSS Shift Change

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 11
Report Date: 2/4/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	19:00	0.50	P	Held safety and operations meeting with all crews on location. Discuss Conoco PJHA on coil rig up and operations, heating fluids. All tickets checked and valid. Perform daily walk around inspections and checks.
19:00	02:00	7.00	P	Rig in work floor, install tarps and apply heat to wellhead. Schlumberger coil tubing continued to rig in their equipment. Installed R-24 x 602 Weeco flange onto the intermediate casing for pressure testing. Off loaded BOPs. Rigged BOP hoses onto combo stack. Function tested stack. Good. Rigged on Weatherford 10K ESD to frac head.
02:00	04:15	2.25	T	<p>Primed pump with 15°C 60/40 Methanol water. Filled BOP stack and installed 50.8mm test bar. Attempted to pressure test Pipe/slip rams to a low of 1500 kPa. Pressure dropped steadily. Hand noticed that BOP heat blanket was not on and BOPs were cold. Heated BOPs with steam. Pressure tested Pipe/slip rams to a low of 1500 kPa for 15 minutes. Good test. Started to bump up pressure attempting achieve a high pressure test of 60000 kPa. Pump kicked out at 71050 kPa (electronic trip was set for 61000 kPa) and over pressured 69000 kPa BOPs (pump and lines rated for 103MPa). Bled pressure down to 65000 kPa and achieved a high pressure test on Pipe slip rams.</p> <p>Schlumberger coil tubing supervisor called his office and spoke with Don Loader (780-518-1350) regarding over pressuring BOPs. Don Loader said that it was OK to continue using BOPs as they were not over pressured by more than 5% of their max pressure limit.</p> <p>Bled off and removed test bar. Pressure tested blind/shear rams to a low of 1500 kPa / high 60000 kPa. Both tests held solid for 15 minutes each.</p> <p>03:45 Don Loader with Schlumberger called and now said that the max pressure of BOPs was over pressured by more than 2.5% and that the BOPs would have to be pulled from service.</p>
04:15	06:00	1.75	P	<p>Sucked out BOP stack. Rigged pump line onto intermediate casing.</p> <p>Schlumberger changed out their combo BOPs with a new set (pipe/slip top bottom - blind/shear top). New set was installed onto test stump. Torqued ring seal connection,</p> <p>Pressure tested intermediate casing to 30000 kPa for 15 minutes. Good test. Installed POP valve onto the intermediate casing and set it for 20MPa.</p>

UID 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	27.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Trucking/Hauling/ Hot Shot Services	***VENDOR NOT LISTED***	P100	1,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	554.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	6,104.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	19,260.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	4,490.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,275.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,400.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	195.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	3,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	4,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	280.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	2,000.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	6,345.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	1,600.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	5,295.00
Wellsite Supervision & Engineering	M HAHN CONSULTING INC	T130	1,670.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	374.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,545.00
Surface Completion Equipment Rental	MYB CONSTRUCTION LTD	Q300	1,380.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 12
Report Date: 2/5/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/5/2014 06:00	Report End Date 2/6/2014 06:00	Daily Cost Total (Cost) 325,584.00	Cumulative Cost (Cost) 7,320,978.71	Personnel Regular Hours (hr) 756.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153				Rig Weatherford, FS 463
Tubing Pressure (kPa)	Casing Pressure (kPa) 0	Weather Overcast	Temperature (°C) -21	Lease Condition Ice Pad

Last 24hr Summary

Started to pressure test CT BOPs. C-Ring liner started to leak and became increasingly worse. Personnel were evacuated to muster area. 2760m³ of warm fresh water was drained from C-ring and released from well pad. Stump tested CT BOPs. Pressured intermediate csg up to 10MPa. Installed CT BOPs. Pressure tested test flow line to 60MPa. Pressure tested IES frac wellhead and 114.3mm production casing to 68MPa - Good.

24hr Forecast

Rig down C-ring and investigate cause of leak.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discussed Conoco PJHA and SOC JSA for multiple operations, Coiled tbg operations, finish spotting and start r/u frac equip, heating "C" Ring, and pressure testing requirements. All tickets checked and valid.
07:00	10:45	3.75	P	Unloaded SOC back up CT BOP stack, and installed heating blanket. Tarped in BOP's with steam heater, waited 2 hrs for BOP stack to be heated to operational temperature. Moved wellhead equip back from wellhead area with crane, Weatherford testers completed wellhead tie in. Stump test CT Blind Rams 1.5mpa, started to increase pressure, line pipe union leaking. Sucked out line vacuum truck, replaced jt line pipe. Start pressure up again, chicksan leaking, replaced chicksan. SOC CT wanted to circ there line to warm methanol water, then try pressure test again. made up CT pump line to Weatherford test line. The "C" Ring started leaking out bottom and under center of Clean Harbors Hot Oilier trailer. Shut down all location operations, evacuated all crews to Muster point #01 at lease entrance.
10:45	12:00	1.25	T	WSS received notification that c-ring had encountered slight leak. WSS inspected c-ring and found a hole approximately 1.5" in diameter. WSS attempted to cut a piece of liner to place in hole in an attempt to slow tank leakage. Leak in the tank liner quickly became increasingly worse resulting in 2760 m³ fresh water released from well pad. WSS evacuated all personnel to muster area / head count completed / isolated workers in safety shack until tank was completely drained. 10:45 WSS Contacted D. Cove concerning leak 10:50 Complete rupture of liner 10:52 Call made to CMV Lead - Bill Pepper - Initiating calls 10:55 D. Cove on location 11:10 Tank completely drained 11:12 Call made to CMV Lead - Bill Pepper - Contact NEB? Environmental - Gord Sarauer Construction Lead - Joe Booth Construction Supervisor - Mac Watson HSE - Derek Tate Simops - Duane Evans All above on location performing walk around inspection. Several pictures captured from each CPC division. 11:40 WSS conducted tailgate safety meeting with crew members on location regarding status of ice pad and c-ring. NOTE: Reiterated to crew not to be talking about incident off location. Avoid spreading rumors / factual information only

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 12
Report Date: 2/5/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
12:00	13:00	1.00	T	Safety meeting prior to continue operations including: Derrick Cove Chris Kendall Richard Young Duane Evans Derek Tate Joe Booth Gord Sarauer Point form e-mail distributed to Frank Barlow / Frank Roberts.
13:00	18:00	5.00	T	Joe Booth / Gord Sarauer profile ice pad around frac equipment and tank farm with portable steamer to prove integrity. Removed ground disturbance anchors from point of travel. Loaded out 2 x chemical vans / 1 x Labs unit. Rig out suction line from C-Ring to pump station and to 12" manifold Arrange services for morning clean up / equipment move. Coil equipment on location performing maintenance
18:00	18:30	0.50	P	WSS Shift change.
18:30	19:00	0.50	P	Held a daily safety and operations meeting with all night shift personnel. Reviewed and discussed CPC PJHA regarding night time operations, job procedures and all associated hazards. Informed all personnel to stay well clear of washed out area at the back of C-ring. All tickets checked and valid.
19:00	22:00	3.00	P	Performed a walk around inspection and cross shifted day crews. Flagged off washed out area at the back of C-ring. Schlumberger could not find their BOP cap needed to pressure test when test bar was installed. BOPs cap was found at KM 27.5 rack site on BOPs that were changed out (60 minutes down time). Stump tested Schlumberger coil tubing combo BOPs. Installed 50.8mm test bar and capped BOPs (needle valve open) Pipe/slip rams: low 1500 kPa / high 60000 kPa. Both tests held solid for 15 minutes - Good tests. Removed test bar. Blind/shear rams: low 1500 kPa / high 60000 kPa. Both tests held solid for 15 minutes - Good tests.
22:00	01:00	3.00	P	Rigged pump line onto the intermediate casing. Pressured intermediate casing up to 10MPa with 60/40 Methanol water. Unbolted and removed top flange on IES frac wellhead. Attempted to set SLB combo BOPs onto the top of frac head but the locking wheels on rams hit the work floor before the BX155 flange connection came together. Landed BOPs back down onto the test stump. Installed spacer spool onto top of frac head and then landed BOPs onto the top of spacer spool. Torqued BX155 flange connections. Rigged pump line onto BOPs.
01:00	04:00	3.00	P	Checked all valves on IES frac head and readied to pressure test. Closed bottom 179mm master valve and CT Blind/shear rams. Pressure tested Weatherford flow line to flow manifold: low 1500 kPa / high 60000 kPa. Good tests. Bled off pressure. Shut in IES wing valve. SIICP: 10018 kPa Pressure tested 114.3mm production casing and IES frac wellhead: low 1500 kPa / high 68000 kPa. Good tests. Intermediate casing pressure built slowly as production casing pressure came up. Intermediate casing reached a max pressure of 19500 kPa and remained constant for 15 minute test with 68MPa on production casing. When production casing was bled off to 0 kPa the intermediate casing bled down 12100 kPa where it remained constant.
04:00	06:00	2.00	P	Sucked water out of boiler by C-ring. Tarped in CT BOPs and secured wellhead.

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	2,760.00			27.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Trucking/Hauling/ Hot Shot Services	***VENDOR NOT LISTED***	P100	1,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	554.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	6,104.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	19,260.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	9,340.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 13
Report Date: 2/6/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/6/2014 06:00	Report End Date 2/7/2014 06:00	Daily Cost Total (Cost) 243,450.00	Cumulative Cost (Cost) 7,564,428.71	Personnel Regular Hours (hr) 876.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C) -10	Lease Condition Ice Pad
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Last 24hr Summary

Rig out and move equipment around C-ring, Dismantle C-ring, roll up liner and clean up area. Make up milling BHA and coil tubing lube. Install onto well and pressure test lube. Function test motor. RIH with coil performing pull tests every 500m to heel then every 250m to bottom. Did not see any restrictions or pull overs on way in.

4hr Forecast

Continue in hole with coil. Clean out on bottom. POOH coil. Prep pad for tanks. Move 400bbl frac tanks into field.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T.-X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discussed Conoco PJHA and SOC JSA for multiple operations, Move equipment surrounding c-ring, dismantle c-ring, wrap up liner and clean up area. All tickets checked and valid.
07:00	09:00	2.00	P	Move in bed truck and haul out boiler, heat exchanger and pump shack to make room for removal of c-ring.
09:00	12:00	3.00	P	Remove 2 panels from c-ring allowing access to inside c-ring, cut and roll up liner, dismantle and remove 10" suction riser and candy cane suction inlets. Represents from following branch's on location for a site visit: NEB (Rick Turner + Saadat Javeed), W.S.C.C (Judy Kainz) and Aboriginal affairs (Joseph)
12:00	18:00	6.00	P	Continue dismantling the remaining 14 panels of the c-ring, cut and roll up the geo-foam. Stack up and load all panels, transport and store at water well site. Start cleaning and hauling out sawdust from c-ring pad.
18:00	18:30	0.50	P	WSS handover and shift change
18:30	19:00	0.50	P	Held a daily safety and operations meeting with all night shift personnel. Reviewed and discussed CPC PJHA #020514 regarding night time coil tubing operations and all associated hazards. All tickets checked and valid.
19:00	00:30	5.50	P	Performed a walk around inspection and cross shifted day shift crews. Spotted zero ground disturbance anchors for coil tubing. Rigged crane onto injector. Hoisted injector and installed four 8' pieces of lubricator. Threading bowen connections together on lubricator was very time consuming. They were trucked up with no protectors on them and they banged into each other on the stand causing the threads to be galled. Several threads had to be filed in order to thread connections together. Filled coil tubing with 60/40 methanol water (6.25m³ to fill). Shut in 1/4 turn valve at the end of CT and pressure tested 50.8mm coil and dimple connector to 35MPa. Good test.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 13
Report Date: 2/6/2014
Final Job Status: GAS
Final Report? Yes

WELL TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
00:30	02:00	1.50	P	<p>Installed BHA onto coil connector as follows:</p> <ul style="list-style-type: none"> 1 - 50.8mm dimple connector 1 - 73mm MHA c/w <ul style="list-style-type: none"> - dual flapper check valves - Hydraulic disconnect (35MPa 28.575mm / 1 1/8" ball activated) - Circulation sub (21MPa 25.4mm / 1" ball activated - 42MPa activated without ball) 1 - 73mm Bi-directional Ultra Jar (317.5mm / 12.5" stroke) 1 - 73mm Hydraulic disconnect (33MPa 22.2mm / 7/8" ball activated) 1 - 73mm Power Plus mud Motor 1 - 95mm 5 blade concave mill c/w 5 10mm circulation ports <p>Attempted to torque connections with Schlumberger tongs. Tongs would not function correctly. All connections were torqued to spec with pipe wrenches and pull gauge (2100 ft/lbs - lock tight used)</p> <p>Pulled BHA into lubricator and stabbed onto the well. Cross chained and secured injector.</p>
02:00	03:00	1.00	P	<p>Fill and circulate lube with 60/40 methanol water back to testers via CT string. Perform quick function test of motor @ 200L/min (good). Shut in to testers, pressure test lube to 1.5mpa low for 5min and 60mpa high for 15min, both tests good.</p>
03:00	06:00	3.00	P	<p>Check 114.3mm pressure =0, check intermediate csg pressure=11,700kpa. Open well and start in hole with Coil and milling assembly. Function test motor, rates and pressures with fresh water as follows:</p> <ul style="list-style-type: none"> 250L/min @ 11750kpa 350L/min @ 22,000kpa 400L/min @ 26,500kpa <p>Continue to run in hole coil @ 15-20m/min circulating fresh water @ 120L/min @ 3200kpa.</p> <p>Perform pull tests on way in hole as follows:</p> <ul style="list-style-type: none"> 500m- down weight, 1200dan up weight 4000dan full returns to testers 1000m- down weight 3100dan, up weight 5800dan full returns to testers Increase pump rate to 400L/m at 1300m. pressure @ 24000kpa 1500m- down weight 4300dan up weight 8000dan full returns to testers, did not see any restrictions 1750m- down weight 5300dan up weight 8500dan, full returns to testers, did not see any restrictions 2000m- down weight 5000dan up weight 9200dan, full returns to testers, did not see any restrictions 2250m- down weight 4600dan up weight 9400dan, full returns to testers, did not see any restrictions

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	26.00	0.00			27.00

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Trucking/Hauling/ Hot Shot Services	***VENDOR NOT LISTED***	P100	1,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	554.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	6,104.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	19,260.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	5,920.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	2,050.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	1,985.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,275.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	4,490.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,400.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	195.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	3,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	4,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	280.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	2,000.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	6,345.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 14
Report Date: 2/7/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45	API / UWI 300E7665-10126-45			License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/7/2014 06:00	Report End Date 2/8/2014 06:00	Daily Cost Total (Cost) 263,948.00	Cumulative Cost (Cost) 7,828,376.71	Personnel Regular Hours (hr) 912.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153				Rig Weatherford, FS 463
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather overcast	Temperature (°C) -20	Lease Condition Ice Pad

Last 24hr Summary

RIH with coil bfg, tag PBTD @ 2877.3mKB, pump 2 x 1m³ gel sweeps @ PBTD, pull up to 1731mKB and pump 2 x 1m³ gel sweeps, circulate gel to surface cleaning well bore. Pull out of the hole with coil, secure well and equipment. Continue building and freezing down pad to set up additional tanks. RIH with coil tubing and 5 - 79mm x 1.0m Owen SDP-3125-411NT4 Perforating guns c/w 21gm HMX (DP) charges, Spiral pattern with 60° phasing, 6 SPM, 6 min time delay between guns. Perforated the following intervals: 2866mkb-2867mkb, 2847mkb-2848mkb, 2827mkb-2828mkb, 2808-2809mkb, 2789-2790mkb. Circulate down and Squeeze 10m³ acid, overflushed with 5.5m³ fresh water. Did not see a definative break while pumping acid. Max rate was 700L/min @ 11,000kpa. Start out of hole with coil.

24hr Forecast

Continue out of hole with coil. Set up frac tanks for water. Spot and rig in frac equipment. Start hauling in and heating water.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS shift change.
06:30	07:00	0.50	P	Held pre-job safety and operations meeting.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 14
Report Date: 2/7/2014
Final Job Status: GAS
Final Report? Yes

LY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
07:00	10:30	3.50	P	<p>Conduct cross shift with night shift WSS.</p> <p>Coil tbg running in the hole, tag @ 2876.5 mKB, pick up and re tag @ 2877.4 mKB. Mark coil tbg @ PBTD (2877.3mKB + 2867.3mKB).</p> <p>7:03 - Pump 1m³ E-221W Gel Sweep followed with 1m³ fresh water spacer and 1m³ E-221W Gel Sweep.</p> <p>7:20 - Gel @ nozzle</p> <p>7:24 - 2nd gel sweep @ nozzle</p> <p>7:30 - Start out of hole with coil from 2867.3mKB</p> <p>7:52 - Trace of mud in returns. (360 lpm return rate)</p> <p>8:07 - 1st gel sweep @ surface</p> <p>8:15 - 2nd gel sweep @ surface</p> <p>8:27 - with coil @ 1899.5mKB pump 1m³ E221W gel sweep followed by 1m³ fresh water spacer + 1m³ E221W gel sweep.</p> <p>8:40 - stop with coil @ 1731.6mKB to allow gel to reach nozzle.</p> <p>8:45 - 3rd Gel sweep @ nozzle</p> <p>8:50 - 4th Gel sweep @ nozzle</p> <p>8:55 - continue out of hole with coil</p> <p>8:52 - Returns look clean, no debris (350 lpm return rate)</p> <p>9:14 - Gel sweeps @ surface</p> <p>10:15 - with coil @ 125.3m pump 1m³ 60% methanol / water to winterize fluid pump.</p> <p>10:17 - Function test mud motor as follows: 250 lpm @ 6753KPa 350 lpm @ 11997 KPa 400 lpm @ 15064 KPa</p> <p>Shut down pump and shut in tester's, continue to surface with coil. Tag stripper (-7.8m on counter), close master valve.</p> <p>Total fluid pumped for job - 150.8m³</p>
10:30	12:30	2.00	P	Rig in vac truck and drain treatment line, break coil lubricator at Bop's, lower Bha and break down bit, mud motor, and jars. Re-stab lubricator and displace water in coil and surface lines with nitrogen. Secure well and equipment.
12:30	14:30	2.00	P	Conduct toolbox meeting with all associated personnel regarding removing Hot Oiler from washed out section of ice pad. Remove all diesel from Hot oiler fuel supply tank with Vac truck, Position and rig in crane, secure Hot oiler by basket slinging between axles and taking weight with crane. Back in and dolly on tractor to hot oiler king pin, raise trailer legs and secure loose equipment on trailer, Hoist rear end of hot oiler and position on rebuilt frozen pad. Pull trailer away from washed area with tractor, conduct pre-trip inspection on Hot oiler, transport off of location to water well.
14:30	18:00	3.50	P	Continue flooding and shaping ice pad for rig mats and additional frac tanks. Spot rig matting off to side of location in preparation for morning, re position light towers and flameless heaters.
18:00	18:30	0.50	P	WSS Shift Change.
18:30	19:00	0.50	P	Held a daily safety and operations meeting with all night shift personnel. Reviewed and discussed CPC PJHA #020714 regarding coil tubing operations and all associated hazards. All tickets checked and valid. Performed a walk around inspection and cross shifted with day shift.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 15
Report Date: 2/8/2014
Final Job Status: GAS
Final Report? Yes

ELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/8/2014 06:00	Report End Date 2/9/2014 06:00	Daily Cost Total (Cost) 1,188,683.00	Cumulative Cost (Cost) 9,017,059.71	Personnel Regular Hours (hr) 912.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153				Rig Weatherford, FS 463
Tubing Pressure (kPa) 3,150	Casing Pressure (kPa) 3,150	Weather Overcast	Temperature (°C) -28	Lease Condition Ice Pad

Last 24hr Summary

Finish pooh and rig down SOC CT, spot remaining frac equip, and spot and r/u Heat Exchangers and boiler. Spot 12 more 400bbl tanks for frac tank farm. Hauled water from lake (WS-02) and off loaded into frac tank farm. Heated water in 400bbl tanks. Pressure tested wireline lubricator to 60MPa. Approximately 960m³ 35°C water in frac tank farm ready for frac.

1hr Forecast

Finish rig in of frac equipment. Frac 5 x 1.0m perforations at toe.

DAILY TIME LOG

DAILY TIME LOG																																					
Start Time	End Time	Dur (hr)	Time P-T-X	Operation																																	
06:00	06:30	0.50	P	WSS Shift Change																																	
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discuss Conoco PJHA and SOC JSA for multiple operations; spot and r/u frac tank farm, finish pooh and rig down SOC CT, spot remaining frac equip, and spot and r/u Heat Exchangers and boiler. All tickets checked and valid.																																	
07:00	08:00	1.00	P	Continued to pooh with CT (maintaining 5,000Kpa wellhead pressure). Pull Bha up to stripper (-4.0m), shut down pump and close in master valve.																																	
08:00	09:30	1.50	P	Pump 1m³ 60% methanol/water through surface lines to winterize pump and surface lines, Spot vac truck and rig in vent hose, drain up all surface lines. Break off lubricator at quick disconnect, lower toolstring and break down Bha inspecting guns to ensure they all were all fired. Re-stab lubricator, (having issues with n2 pumper, trickle 60% methanol/water @ 20 lpm through coil and surface lines to testers to prevent freezing.																																	
09:30	14:00	4.50	P	<p>Spot 11 sheets of 8' x 40' rig matting, place 2 x heat exchangers and 175HP boiler, rig in frac tank farm consisting of 12 additional frac tanks. Spot remaining frac pumpers, data van and chemical trailers. Install wireline Bop's and apply heat in preparation for pressure test.</p> <p>Read and record shut in pressures on casing and intermediate casing as follows:</p> <table><thead><tr><th>Time</th><th>Production Csg</th><th>Intermediate Csg</th></tr></thead><tbody><tr><td>8:15</td><td>5671 KPa</td><td>11267 KPa</td></tr><tr><td>8:30</td><td>5566 KPa</td><td>11248 KPa</td></tr><tr><td>8:45</td><td>5500 KPa</td><td>11292 KPa</td></tr><tr><td>9:00</td><td>5400 KPa</td><td>11350 KPa</td></tr><tr><td>9:30</td><td>5236 KPa</td><td>11439 KPa</td></tr><tr><td>10:00</td><td>5087 KPa</td><td>11543 KPa</td></tr><tr><td>11:00</td><td>4813 KPa</td><td>11614 KPa</td></tr><tr><td>12:00</td><td>4612 KPa</td><td>11678 KPa</td></tr><tr><td>13:00</td><td>4419 KPa</td><td>11734 KPa</td></tr><tr><td>14:00</td><td>4255 KPa</td><td>11769 KPa</td></tr></tbody></table>	Time	Production Csg	Intermediate Csg	8:15	5671 KPa	11267 KPa	8:30	5566 KPa	11248 KPa	8:45	5500 KPa	11292 KPa	9:00	5400 KPa	11350 KPa	9:30	5236 KPa	11439 KPa	10:00	5087 KPa	11543 KPa	11:00	4813 KPa	11614 KPa	12:00	4612 KPa	11678 KPa	13:00	4419 KPa	11734 KPa	14:00	4255 KPa	11769 KPa
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12:00	4612 KPa	11678 KPa																																			
13:00	4419 KPa	11734 KPa																																			
14:00	4255 KPa	11769 KPa																																			
14:00	18:00	4.00	P	Spot Clean Harbours hot oiler, fill and fire H D Rentals boiler. R/u fall arrest system on all 12 & 63.5m3 tanks, ground tanks. R/u Clean Harbours Hot Oiler, ran steam lines through tank farm. R/u equalizing lines on frac tanks. SOC spotted remainder of frac equip, started rigging in.																																	
18:00	18:30	0.50	P	WSS shift change.																																	

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 15
Report Date: 2/8/2014
Final Job Status: GAS
Final Report? Yes

AILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	19:00	0.50	P	Held a daily safety and operations meeting with all night shift personnel. Reviewed and discussed CPC PJHA #02082014 regarding night shift operations and all associated hazards. All tickets checked and valid. Performed a walk around inspection and cross shifted with day shift crews.
19:00	06:00	11.00	P	Lifted the last 400bbl tank (#12) in place in frac tank farm "B". Re-spotted twin hot oiler and started to boost temperatures in Frac tank farm "A". Rigged in 2 HD heat exchange units and started to heat tanks in frac tank farm "A". Lifted wireline lubricator and stabbed onto the well. Pressure tested lubricator and BOPs (shell test) to 1.5MPa and high 60MPa. Good test. Hauled water from Lake (WS-02) for frac tank farms. Approximately 960m³ hot water in tank farms A + B ready for frac. 05:30 SICP: 3150 kPa / SIICP: 11800 kPa

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	762.00	0.00			42.50

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Trucking/Hauling/ Hot Shot Services	***VENDOR NOT LISTED***	P100	1,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	554.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	6,104.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	19,260.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	15,480.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
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Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,275.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	4,490.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,400.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	195.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	3,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	4,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	280.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	2,000.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	6,345.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	1,600.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	4,190.00
Wellsite Supervision & Engineering	M HAHN CONSULTING INC	T130	1,670.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	374.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,545.00
Surface Completion Equipment Rental	MYB CONSTRUCTION LTD	Q300	1,380.00
Surface Completion Equipment Rental	MYB CONSTRUCTION LTD	Q300	500.00
Trucking/Hauling/ Hot Shot Services	NCSG CRANE & HEAVY HAUL SERVICES LTD	P100	10,820.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	3,570.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	10,710.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	10,440.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	3,745.00
Fracture Stimulation Services	PROTECHNICS - CORE LABS	N110	24,500.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	SAHTU RCS ENERGY SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	SAHTU RCS ENERGY SERVICES LTD	Q300	600.00
Surface Completion Equipment Rental	SAHTU RCS ENERGY SERVICES LTD	Q300	600.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 16
Report Date: 2/9/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/9/2014 06:00	Report End Date 2/10/2014 06:00	Daily Cost Total (Cost) 671,126.00	Cumulative Cost (Cost) 9,688,185.71	Personnel Regular Hours (hr) 1,092.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153				Rig Weatherford, FS 463
Tubing Pressure (kPa)	Casing Pressure (kPa) 5,500	Weather Overcast	Temperature (°C) -29	Lease Condition Ice Pad

Last 24hr Summary

Finish filling and heating 400bbl tanks of water. Rig in remaining frac iron and fluid manifold. Frac interval #1. Pumped slickwater pad bringing rates up to 7.5MPa at 50MPa. Pumped a total of 716kg of 100 mesh sand at 25kgPA. Treating pressure increased as sand went into formation. Rates were adjusted as per pressure allowed. Shut down with a final pump rate of 0.3m³/min at 54MPa - 240.8m³ water injected. Picked up coil tubing injector and pressure tested to 0MPa. Broke off at quick sub. Made up TCP BHA on CT and started in hole.

24hr Forecast

Continue to RIH with coil tubing and 5 - 79mm x 1.0m Owen SDP-3125-411NT4 Perforating guns c/w 21gm HMX (DP) charges, Spiral pattern with 60° phasing, 6 SPM, 6 min time delay between guns.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T. X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discuss Conoco PJHA and SOC JSA for multiple operations; r/u remaining frac iron, hauling and unloading frac water, tie in tank farm, heating fluid with heat exchangers and hot oiler. All tickets checked and valid.
07:00	11:00	4.00	P	Rig in remaining frac iron, haul in 90m³ to fill remaining frac tanks, continue heating 400bbl tanks with heat exchangers and hot oiler. Hooked up all hoses to frac manifold and 63.5m³ tanks.
11:00	13:30	2.50	P	Continue to heat frac tanks, wait for SOC to complete there rig in.
13:30	14:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discussed PJHA and SOC JSA for fracing, heating and pumping frac water, and cold weather working conditions.
14:00	15:30	1.50	P	Waited 30 min for SOC to complete some final rig in adjustments. Opened valves to frac manifold, 1 valve on manifold leaking. Shut down and drained hose, repaired leaking valve. Opened tanks to frac manifold. SOC started pumping 60°C f/w at 0.25m³/min, pumped 1.30m³ with each of 10 pumpers to warm up iron, returned f/w to test equip. Shut in testers, pressured surface lines to 53.1mpa, flange on 1 pumper started leaking. Shut down, bleed off pressure to testers, suck out pumper with vacuum truck. Replaced damaged gasket on pumper flange. Pressure tested surface lines 69.0mpa.
15:30	17:30	2.00	T	Opened well started pumping, pressure built 35.2mpa at 5.47m³/min, pumpers started cutting out and shutting down. Restarted pumpers 3 times, pumped total 95.0m³ f/w, pumpers still cutting out and shutting down. Shut down wait for SOC to repair computer system.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 16
Report Date: 2/9/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
17:30	18:30	1.00	P	<p>17:21 Casing at 8MPa. Engaged pumps. Slowly brought rates up to 7.5m³/min. 17:30 Pump rate: 7.5m³/min at a steady 50MPa. 17:35 Started 100 mesh sand stage at 25kgPA. Pumped a total of 716kgs 100mesh sand. Pressure started to climb as sand went into formation. Dropped and adjusted rates according to pressure. 18:08 Pump rate: 0.70m³/min at a steady 50MPa. 18:17 Upped pump rate to 1.10m³/min and pressure quickly built to 55.5MPa. Dropped pump rate. 18:21 Pump rate: 0.56m³/min at 57MPa. Shut down pumps. Total of 235m³ pumped. 18:23 Casing down to 28MPa. Engaged pumps at 0.56m³/min. Pressure climbed to 50MPa and steadied out for a short period before starting to climb again. Dropped pump rate to minimum of 0.3m³/min. 18:33 Shut down pumps. Final pump rate was 0.3m³/min at 57MPa. Total sand into formation: 716 kg of 100 mesh Total water injected: 240.8m³</p> <p>18:00 WSS shift change. 18:30 Crew shift change. Held a daily safety and operations meeting with all night shift personnel. Reviewed and discussed CPC PJHA #020914 regarding night time operations and all associated hazards. All tickets checked and valid. Average Pressure = 42.69mpa, Average rate = 2.27m³/min.</p>
18:30	22:30	4.00	P	<p>Winterized frac equipment. Pumped 10.3m³ of 60/40 methanol water through frac equipment into the wellbore (0.3m³/min at 54MPa).</p> <p>Transferred 35°C fresh water from frac tank farm "B" to frac tank farm "A" (840m³ in frac tank farm "A"). Drained suction lines on frac manifold. Started to haul water from lake (WS-02) and off load into frac tank farm "B".</p> <p>Rigged off wireline BOPs. Pull tested CT dimple connector to 21000daN. Good. Installed coil tubing combo BOPs (blind/shear, pipe/slips) onto well. Function tested BOPs. Good. Moved rigless anchor blocks into position with crane.</p> <p>-30°C weather with a slight wind slowed operations as hands needed regular warm up breaks.</p>
22:30	01:15	2.75	P	<p>Hoisted injector and installed 4 joints of 8" lube onto the bottom. Filled coil tubing with 60/40 methanol water (6.4m³ to fill) and pressure tested connector to 35MPa. Good test.</p>
01:15	04:45	3.50	P	<p>Stabbed onto the well. Put a low pressure test on injector, lubricator, BOP (shell test) and ring seal connection of 1500 kPa. Bumped pressure up to 60MPa and coil tubing stripper was leaking. Bled off pressure. Worked stripped and moved CT up and down through stripper. Pressure tested again and stripper continued to leak (-30°C outside with wind). Hoisted lubricator off of well and lowered to ground level. Used genie boom to change out stripper (60 min). Hoisted lubricator and stabbed back on to the well. Pressure tested lubricator again and at 28000 kPa the bottom Bowen connection started to leak. Bled off pressure. Heated bowen connection and attempted to test again. Connection still leaked. Drained out lubricator and hoisted off well. Changed out O-ring on bowen connection and landed back on well. Pressure tested lubricator again and the second bowen connection 8' above work floor started to leak. Bled off pressure. Sent man up in genie and steamed bottom 3 bowen connections on lubricator. Pressure tested injector, lubricator, BOPs (shell test) and ring seal connection to 60 MPa. Good test. Broke lubricator connection at quick sub and hoisted off of well.</p>
04:45	06:00	1.25	P	<p>Installed TCP perforating BHA as follows:</p> <ul style="list-style-type: none"> 1 - 50.8mm Dimple connector 1 - 73mm MHA c/w <ul style="list-style-type: none"> - dual flapper check valves - Hydraulic disconnect (35MPa 28.575mm / 1 1/8" ball activated) - Circulation sub (21MPa 25.4mm / 1" ball activated - 42MPa activated without ball) 1 - Crossover (60.3mm PAC x 60.3mm EUE c/w swivel) 1 - Open Flow sub 1 - Pressure activated firing head 5 - 79mm x 1.0m Owen SDP-3125-411NT4 Perforating gun <ul style="list-style-type: none"> - Hollow Steel Carrier - 21gm HMX (DP) charges - Spiral pattern with 60° phasing - 6 SPM with spiral pattern - 6 MINUTE TIME DELAY BETWEEN GUNS 1 - Tapered bull nose <p>Pulled BHA up into lubricator and stabbed onto the well. Chained and secured injector. Pressure tested quick test sub to 60MPa. Good test.</p> <p>SICP= 5500 kpa, SIICP = 11500 kpa</p>

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	308.00	0.00	251.10	0.00	293.60

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 17
Report Date: 2/10/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45	API / UWI 300E7665-10126-45			License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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A/E COST SUMMARY

A/E / RFE / Maint.# 10351695	Total A/E Amount (Cost) 2,111,000.00	Total A/E + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	A/E-Field Estimate (Cost) -207,381.14
A/E / RFE / Maint.# 10359413	Total A/E Amount (Cost) 16,997,500.00	Total A/E + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	A/E-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/10/2014 06:00	Report End Date 2/11/2014 06:00	Daily Cost Total (Cost) 416,565.00	Cumulative Cost (Cost) 10,104,750.71	Personnel Regular Hours (hr) 1,104.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short

Rig
Weatherford, FS 463

Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C) -24	Lease Condition Ice Pad
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Last 24hr Summary

RIH TCP BHA and coil. Tag high @ 2787mKB (top perforations @ 2789mKB) Discuss with Derrick Cove and Theron Legarde, decision made to pull out of the hole with coil and perforating gun assembly. RIH with 98mm mill and motor. Clean out wellbore to PBTD 2877.3mKB.

POOH coil tubing and milling assembly.

Cut coil and install new dimple connector. Pull test to 21dan, pressure test to 35mpa. (tests good). RIH with coil tubing and 5 - 79mm x 1.0m Owen SDP-3125-411NT4 Perforating guns c/w 21gm HMX (DP) charges, Spiral pattern with 60° phasing, 6 SPM, 6 min time delay between guns. Perforate the following intervals:

2857mKB to 2858mKB
2838mKB to 2839mKB
2819mKB to 2820mKB
2800mKB to 2801mKB

24hr Forecast

POOH coil, rig down coil tubing. Rig in frac equipment. Perform re-frac on stage 1.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discussed Conoco PJHA and SOC JSA for multiple operations: Coiled tbq perforating, frac crews mr/o required equip to move PCM out for repairs, and filling and heating frac tanks.
07:00	09:30	2.50	P	Rih and 20m/min with perforating gun assembly on 50.8mm CT. circulating fresh water @ 100L/min. Perform pull tests on way in hole as follows: 1000m- down weight 2100dan, up weight 4400dan full returns to testers 1200m- down weight 2700dan up weight 4400dan full returns to testers, did not see any restrictions 1700m- down weight 4400dan up weight 6000dan, full returns to testers, did not see any restrictions 2300m- down weight 4000dan up weight 7200dan, full returns to testers, did not see any restrictions 2250m- down weight 3500dan up weight 8100dan, full returns to testers, did not see any restrictions
09:30	10:00	0.50	P	Run in and tag @ 2787.0 mKB, pick off and re-confirm tag point with setting down 1.5 Dan string weight @ 2787.3 mKB Note: perforation top @ 2789 mKB. Notify Derrick Cove and Theron Legarde of tag point, decision is made to pull out of the hole with coil and perforating gun assembly.
10:00	12:30	2.50	P	Pull out of the hole with coil tbq and perforating gun assembly, circulating fresh water @ 100 lpm to tester's, with coil 100m from surface displace coil tbq and surface lines over to 60% methanol / water. Kick out pump and shut in tester's. SICP when shut in 5800KPa.
12:30	13:00	0.50	P	Hold pre-job safety meeting with all personnel regarding pulling live perforating guns to surface.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 17
Report Date: 2/10/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
13:00	14:30	1.50	P	<p>Pull remaining 100m of coil tbg, Bha to surface, tag out @ -5.5. Close 4 1/2" master valve, bleed off pressure and drain up surface lines. Break off lubricator, lay down live perforating gun assembly and make up Bha as follows:</p> <p>Installed BHA onto coil connector as follows:</p> <ul style="list-style-type: none"> 1 - 50.8mm dimple connector 1 - 73mm MHA c/w <ul style="list-style-type: none"> - dual flapper check valves - Hydraulic disconnect (35MPa 28.575mm / 1 1/8" ball activated) - Circulation sub (21MPa 25.4mm / 1" ball activated - 42MPa activated without ball) 1 - 73mm Bi-directional Ultra Jar (317.5mm / 12.5" stroke) 1 - 73mm Hydraulic disconnect (33MPa 22.2mm / 7/8" ball activated) 1 - 73mm Power Plus mud Motor 1 - 98.0mm 5 blade concave mill c/w 5 10mm circulation ports <p>All connections were torqued to spec with pipe wrenches and pull gauge (2100 ft/lbs - lock tight used)</p> <p>Pulled BHA into lubricator and stabbed onto the well. Cross chained and secured injector.</p>
14:30	17:30	3.00	P	<p>Stab on coil lubricator, pressure test quick test sub to 60.0MPa.</p> <p>Surface test mud motor, zeroed depth -5.4, run in and zero mechanical depth counter @ 0.</p> <p>Run in 50m and perform motor tests at following pressures and rates:</p> <ul style="list-style-type: none"> 250 lpm @ 16258 KPa 350 lpm @ 26270 KPa 450 lpm @ 28086 KPa <p>RIH with coil and drilling assembly circulating @ 400 lpm.</p>
17:30	18:00	0.50	P	<p>Pass point of refusal (2788 mKB) without seeing any restriction, tag with coil @ 2878mKB.</p> <p>Pump 1m³ gel sweep followed by 2m³ fresh water and 1m³ gel sweep, chase sweep up hole to 2770 mKB, run back down to 2875 mKB and pump 1m³ gel sweep followed by 2m³ fresh water spacer and 1m³ gel sweep.</p> <p>Pull out of the hole @ 10 m/min up to 2770 mKB, pick up to 20 m/min.</p>
18:00	18:30	0.50	P	WSS Shift Change
18:30	19:00	0.50	P	Held pre-job safety and operations meeting with all services. Discussed coil tubing and perforating operations. Review Conoco PJHA #10022014C/D. All tickets were checked and valid. Perform daily walk around inspections and checks.
19:00	00:00	5.00	P	<p>Continue to pull out coil. Pump 1m³ Gel sweep followed by 1m³ spacer, followed by 1m³ Gel @ 1660mKB (30 deg). Monitor returns to testers. Testers seen sand in returns with gel sweep to surface.</p> <p>At 50mKB perform post motor check</p> <ul style="list-style-type: none"> 450L/min @ 39mpa 350L/min @ 28mpa 250L/min @ 19.5mpa, wellhead pressure @ 8.5mpa <p>Circulate Coil tubing string over to 60/40 methanol/fresh water mix.</p> <p>Pull coil and milling BHA into lube, shut in well (8000kpa), bleed off and drain lube to vac truck.</p> <p>Break off lube at quick test sub. Had issues comming out of lube. Heat up connection with steam to pull off lube.</p> <p>Coil cut off 11.1m tubing, Install new dimple connector. Had wear on old dimple connector and above on tubing.</p>
00:00	02:00	2.00	P	<p>Pull test dimple connector to 21000dan. Pressure test to 35mpa. All tests good.</p> <p>IES greased all valves on frac head.</p> <p>Held tailgate meeting prior to installing perforating guns on coil tubing. Discussed and confirmed all perforating depths and pressures.</p>

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 17
Report Date: 2/10/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T.- X	Operation
02:00	03:00	1.00	P	<p>Make up TCP BHA as follows (top down)</p> <ul style="list-style-type: none"> 1 - 50.8mm Dimple connector 1 - 73mm MHA c/w <ul style="list-style-type: none"> - dual flapper check valves - Hydraulic disconnect (35MPa 28.575mm / 1 1/8" ball activated) - Circulation sub (21MPa 25.4mm / 1" ball activated - 42MPa activated without ball) 1 - Crossover (60.3mm PAC x 60.3mm EUE c/w swivel) 1 - Equalize sub 1 - Pressure activated firing head.(autovent) firing head is a CLOSED SYSTEM 5 - 79mm x 1.0m Owen SDP-3125-411NT4 Perforating gun <ul style="list-style-type: none"> - Hollow Steel Carrier - 21gm HMX (DP) charges - Spiral pattern with 60° phasing - 6 SPM with spiral pattern - 6 MINUTE TIME DELAY BETWEEN GUNS 1 - Tapered bull nose <p>All connections torqued to spec with mechanical pull gauges. Pulled BHA up into lubricator and stab onto the well. Chain and secured injector. Pressure test quick test sub to 60MPa. Good test.</p> <p>SIICP=4760kpa, SIICP = 13600kpa</p>
03:00	06:00	3.00	P	<p>Equalize and Open well, RIH coil tubing and BHA. Mechanical counter zeroed at zero to digital. Perform pull tests @ 1000mKB, 1500mKB, 2000mKB and 2500mKB. No over pull or restrictions seen. SIICP=13,600kpa</p> <p>05:45am-Pull guns into position, shut in annulus to testers. Pressure up to 33mpa to activate guns.</p> <p>05:46am perforate interval from 2857mkb to 2858mkb, csg pressure=7500 kpa, pull up into position for next perforation</p> <p>05:52am perforate interval from 2838mkb to 2839mkb, csg pressure=11,100 kpa, pull up into position for next perforation</p> <p>05:58am perforate interval from 2819mkb to 2820mkb, csg pressure=6700 kpa, pull up into position for next perforation</p> <p>Engage pump @ 100L/min to increase annulus pressure</p> <p>06:04am perforate interval from 2800mkb to 2801mkb, csg pressure=10,000 kpa, pull up into position for next perforation</p> <p>Engage pump @ 100L/min to increase annulus pressure</p> <p>06:10am perforate interval from 2781mkb to 2782mkb, csg pressure =10,000 kpa</p>

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	293.60

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Trucking/Hauling/ Hot Shot Services	***VENDOR NOT LISTED***	P100	1,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	554.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	6,104.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	14,260.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	8,762.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	3,430.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,275.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	29,900.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	4,490.00
Service Rig	CONOCO	E120	37,000.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,400.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	195.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	3,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	4,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	280.00
Wellsite Supervision & Engineering	DEN JAR CONSULTING LTD	T130	1,670.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	2,000.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 18
Report Date: 2/11/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45	API / UWI 300E7665-10126-45			License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00 PBDT (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved Responsible Grp 2 lagartn Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/11/2014 06:00	Report End Date 2/12/2014 06:00	Daily Cost Total (Cost) 514,696.00	Cumulative Cost (Cost) 10,619,446.71	Personnel Regular Hours (hr) 1,104.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short				Rig Weatherford, FS 463
Tubing Pressure (kPa) 10,000	Casing Pressure (kPa) 10,000	Weather Overcast	Temperature (°C) -28	Lease Condition Ice Pad

Last 24hr Summary

Finish POOH coil tubing. Break down BHA. Stab lube back on, purge coil with N2. Rig in frac lines. Pressure test to 69mpa. Perform stage 1 of frac as follows: - Open wellhead, pumped 10.0m3 15% HCL acid at 0.30m3/min 10.0mpa
- Pumped 23.8m3 gelled pad at final rate 0.30m3/min 12.1mpa, shut down 10 min let acid soak.
- Pumped 3.50m3 WF130 pad followed by 39.6m3 YF130Flex pad at final rate 2.20m3/min 14.8mpa
- Pumped 14.40m3 100 Mesh scour at final rate 5.50m3/min 23.3mpa
- Pumped 100 Mesh, 40/70, and 30/50 PR 6000 sand stages at combined rate 7.90m3/min 28.4mpa, started flush.
- Pumped 26.50 m3 YF130Flex flush at final rate 7.90m3/min 29.30mpa
Shut down pumps ISIP = 11.0mpa, 5 min SICP = 10.0mpa, 20 min SICP = 7.80mpa. Placed 19,350 kg 100 Mesh frac sand, 59,960 kg 40/70 frac sand, and 20,030 kg 30/50 PR 6000 frac sand with total of 579.50m3 f/w. Winterize frac equipment with 60/40 methanol/water mix.

Rig coil tubing lubricator and bops off well. Install and pressure test e-line bops. RIH with plug and perforating BHA on e-line Set 101.6mm Halliburton Obsidian 10K flow through plug top@ 2771.63mKB, CE @ 2772mKB. Perforate the following intervals with 1.0m Owen -3125-411NT4, Hollow Steel Carrier, 21gm HMX (DP) charges, Spiral pattern with 60° phasing, 6 SPM with spiral pattern perforating guns. 2762mKB-2763mKB, 2743mKB-2744mKB, 2723mKB-2724mKB, 2704mKB, 2705mKB, 2685mKB-2686mKB. Start out of hole with e-line.

24hr Forecast

Perform stage 2 of frac.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T. - X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discussed Conoco PJHA and SOC JSA for CT pulling to surface, r/o CT, water transfer operations, and heating frac water.
07:00	10:00	3.00	P	Pooh with CT at 20m/min circ f/w at 0.10m3/min to Waetherford testers, held 10.8mpa back pressure on csg. Started pumping methanol water at 185m, pulled to surface at 5.0m/min, shut in well. Broke off lubricator, laid down fired perf guns. Made up lubricator, pumped 1,000 scm N2 through 50.8mm CT, blew CT dry, rec 6.30m3 f/w to testers. Shut in and secured well.
10:00	11:30	1.50	P	Heat and transfer water from frac tank farm #02 to frac tank farm #01. Hook up hoses from frac tanks to frac manifold, wait for SOC to get ready to frac.
11:30	12:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discuss Conoco PJHA and SOC JSA for fracing operations, pressure and rate limitations, handling 15% HCL acid, and pumping and heating frac water.
12:00	13:00	1.00	P	SOC hooked up to frac manifold, waited for SOC to get ready to frac.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
13:00	17:00	4.00	P	<p>Pumped 5.0m3 of 50°C frac water through frac head to testers, warm up frac lines and equip. Pressure tested surface lines 69.0mpa.</p> <ul style="list-style-type: none"> - Open wellhead, pumped 10.0m3 15% HCL acid at 0.30m3/min 10.0mpa - Pumped 23.8m3 gelled pad at final rate 0.30m3/min 12.1mpa, shut down 10 min let acid soak. - Pumped 3.50m3 WF130 pad followed by 39.6m3 YF130Flex pad at final rate 2.20m3/min 14.8mpa - Pumped 14.40m3 100 Mesh scour at final rate 5.50m3/min 23.3mpa - Pumped 100 Mesh, 40/70, and 30/50 PR 6000 sand stages at combined rate 7.90m3/min 28.4mpa, started flush. - Pumped 26.50 m3 YF130Flex flush at final rate 7.90m3/min 29.30mpa <p>Shut down pumps ISIP = 11.0mpa, 5 min SICP = 10.0mpa, 20 min SICP = 7.80mpa. Placed 19,350 kg 100 Mesh frac sand, 59,960 kg 40/70 frac sand, and 20,030 kg 30/50 PR 6000 frac sand with total of 579.50m3 f/w.</p> <p>Shut in well. Pumped 15.0m3 50% methanol water through frac equip, frac head, and back to testers, winterized frac equip.</p>
17:00	18:00	1.00	P	Lay down lubricator and CT injector.
18:00	18:30	0.50	P	WSS shift change and cross over meeting.
18:30	19:00	0.50	P	Held pre-job safety and operations meeting with all services. Review Conoco Phillips PJHA on rigging out coil tubing, pump down operations and hauling/heating water. All tickets checked and valid. Perform daily walk around inspections and checks.
19:00	20:30	1.50	P	Continue to rig down coil tubing lubricator and bops. Transfer fluid into frac tank farm. Haul in and heat water to 35deg. Drain and winterize frac manifold and associated hoses.
20:30	03:30	7.00	P	<p>Install e-line bops. Pressure test bops to 60mpa with 60/40 methanol/water mix. Had some leaks on pumping iron due to cold fluid. Tighten unions and re-test, test good. Make up plug and perforating BHA</p> <ul style="list-style-type: none"> -Casing collar locator -Firing head 6 - 79mm x 1.0m Owen -3125-411NT4 Perforating guns (have 1 extra gun in the case one does not fire) <ul style="list-style-type: none"> - Hollow Steel Carrier - 21gm HMX (DP) charges - Spiral pattern with 60° phasing - 6 SPM with spiral pattern -Plug shoot extender - Baker #10 setting tool -setting sleeve -Halliburton "Obsidian" flow through plug <ul style="list-style-type: none"> - 10K -92.96mm x 0.73m -1.4 SG ball <p>Pack off head and accumulator cold so not functioning properly. Heat equipment to operating temperature.</p> <p>Pick up e-line lube and install on well. Presure test quick test sub to 60mpa. Fill lube with 60/40 methanol/water mix to avoid freeze up.</p> <p>Steam hose froze off, try to thaw on well with no success. Drain lube and lay down. Thaw out steam hose. re-configure so that hoses do not need to be disconnected when hoisting. Pick up lube and stab onto well. Pressure test Qick test sub connection to 60mpa. Fill lube with 60/40methanol mix, equalize lube.</p>
03:30	06:00	2.50	P	<p>Well pressure = 2000kpa</p> <p>RIH with plug and perforating BHA on e-line. Correlate depth to packer top @ 1477.35mKB. Continue in hole with e-line. Engage pumps @ 1650mKB at 1.1m3/min to assist e-line. Log onto depth set Halliburton plug top @ 2771.63mKB CE @ 2772mKB.</p> <p>Pull guns into position, perforate interval from 2762mKB to 2763mKB</p> <p>Pull guns into position, perforate interval from 2743mKB to 2744mKB</p> <p>Pull guns into position, perforate interval from 2723mKB to 2724mKB</p> <p>Pull guns into position, perforate interval from 2704mKB to 2705mKB</p> <p>Pull guns into position, perforate interval from 2785mKB to 2786mKB</p> <p>Well pressure=4600kpa</p> <p>Start out of hole with e-line (1 extra live gun)</p> <p>Hauled in and heated 510m³ of fresh water.</p>

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	570.00	0.00	622.90	0.00	916.50

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Camp	***VENDOR NOT LISTED***	E500	500.00
Trucking/Hauling/ Hot Shot Services	***VENDOR NOT LISTED***	P100	1,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	554.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	6,104.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	14,260.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	8,000.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 19
Report Date: 2/12/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/12/2014 06:00	Report End Date 2/13/2014 06:00	Daily Cost Total (Cost) 813,142.02	Cumulative Cost (Cost) 11,432,588.73	Personnel Regular Hours (hr) 1,104.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short				Rig Weatherford, FS 463
Tubing Pressure (kPa) 2,700	Casing Pressure (kPa) 2,700	Weather Overcast	Temperature (°C) -35	Lease Condition Ice Pad

Last 24hr Summary

Finish POOH with e-line and plug and perf BHA.

perform frac on Interval #2 @ 2685mKB- 2763mKB

Breakdown = 18.8 MPa

- Max pressure= 32.8 MPa

- Ave pumping pressure = 22.4 MPa

-Max rate = 8.93m³/min

Average rate = 5.95m³/min

- Proppant pumped = 20.9 T of 100 Mesh

- 68.5 T of 40/70

- 26.7 T of 30/50 PR6000

- Max concentration = 600 kg/m³

- Total water pumped = 721.7m³

- Total 15% HCL pumped = 10m³

Post frac ISIP = 17.3MPa

Rig on e-line, RIH with plug and perforating BHA on e-line. Correlate depth to packer top @ 1477.35mKB. Continue in hole with e-line. Engage pumps @ 1650mKB at 1.1m³/min to assist e-line.

Log onto depth set Halliburton plug top @ 2675.64mKB CE @ 2676mKB.

perforate interval from 2666mKB to 2667mKB

perforate interval from 2647mKB to 2648mKB

perforate interval from 2628mKB to 2629mKB

perforate interval from 2609mKB to 2610mKB

perforate interval from 2590mKB to 2591mKB

Rig down e-line. IES greased all valves on frac head.

24hr Forecast

Perform stage 3 of frac

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discuss Conoco PJHA and SOC JSA for rig down E-Line, r/u frac equip, pump frac, heat and pump f/w.
07:00	09:00	2.00	P	SOC E-Line pulled to surface with perf gun assembly. Shut in well, bleed off lubricator to testers. Broke off and laid down lubricator, broke apart perf gun assembly. Installed cap on top of W/L BOP's, I.E.S. serviceman functioned and greased all valves - 179.4mm & 10 K valve left in open position.
09:00	12:30	3.50	P	Rigged tank hoses into frac manifold, wait on SOC to get ready to frac.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 19
Report Date: 2/12/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T. X	Operation
12:30	16:00	3.50	P	<p>SOC warmed up frac pumps, transfer chemicals between chem vans. Pumped 16.0m3 60°C f/w at 0.25m3/min, picked up prime and warmed up all pumps, blender, and PCM, circ water back to testers. Placed ball on top of hydraulic frac head valve, made up wellhead cap, pressure tested surface lines 69.0mpa.</p> <ul style="list-style-type: none"> - Open frac valve, dropped Halliburton 60.3mm Composite 1.4 specific gravity B.P. ball. Pumped 10.0m3 15% HCL acid down csg, final rate 0.60m3/min 7.70mpa - Pumped 101.20m3 Slick Water pad #01, increased rate from 0.60 to 7.90m3/min at 28.40mpa. - Pumped 41.6m3 WF130 pad #02 at final rate 8.0m3/min 26.0mpa. - Pumped 25.6m3 YF130Flex pad #03 at final rate 8.0m3/min 28.1mpa, started scour. - Pumped 19.1m3 YF130Flex Scour with 100 Mesh frac sand at 25kg/m3 at final rate 8.0m3/min 28.1mpa, started spacer. - Pumped 29.1m3 YF130Flex spacer at final rate 8.0m3/min 29.2mpa, started 100 Mesh frac sand. - Pumped 50, 75, 100, 150, and 200kg/m3 YF130Flex 100 Mesh frac sand stages increased rate 8.0 to 8.40m3/min, with pressures of 28.3, 27.0, 27.7, 27.7, and 28.7mpa respectively, started 40/70 frac sand. - Pumped 100, 200, 300, 400, and 500kg/m3 YF130Flex 40/70 frac sand stages at rates 8.4, 8.4, 8.7, 8.9, and 8.9m3/min at pressures of 29.3, 29.2, 29.7, 30.0, and 29.5mpa respectively, started 30/50 PR 6000 sand. - Pumped 300, 400, 500, and 600kg/m3 PR 6000 frac sand stages at rate 8.90m3/min at pressures of 29.6, 30.8, 28.8, and 28.9mpa respectively, started WF130 spacer. - Pumped 1.50m3 WF130 spacer at rate of 8.90m3/min 30.9mpa, started flush. - Pumped 25.7m3 Slick Water Flush at final rate 8.90m3/min 31.2mpa. <p>Shut down pumps, ISIP = 17.3mpa, 10 min SICP = 10.8mpa. Placed 20.9 tonnes 100 Mesh, 68.5 tonnes 40/70, and 26.7 tonnes PR 6000 frac sand with 721.70m3 frac f/w. Pump out PCM, pumped 13.0m3 50% methanol water through frac equip to testers, pumped 2.0m3 50% methanol water down well. Shut in well.</p>
16:00	17:00	1.00	P	<p>SOC crew change day, wait for 2 E-Line workers to receive Artic Orientation at Conoco base camp and then travel to location.</p>
17:00	18:00	1.00	P	<p>Make up and tally plug and perforating BHA</p> <ul style="list-style-type: none"> -Casing collar locator -Firing head 6 - 79mm x 1.0m Owen -3125-411NT4 Perforating guns (have 1 extra gun in the case one does not fire) <ul style="list-style-type: none"> - Hollow Steel Carrier - 21gm HMX (DP) charges - Spiral pattern with 60° phasing - 6 SPM with spiral pattern -Plug shoot extender - Baker #10 setting tool -setting sleeve -Halliburton "Obsidian" flow through plug <ul style="list-style-type: none"> - 10K -92.96mm x 0.73m -1.3 SG ball <p>Pick up e-line lube and install on well. Pressure test quick test sub to 60mpa. Fill lube with 60/40 methanol/water mix to avoid freeze up.</p>
18:00	18:30	0.50	P	WSS Shift Change.
18:30	19:00	0.50	P	<p>Held pre-job safety and operations meeting with all services. Review Conoco PJHA on e-line plug and perf operations, hauling and heating water. Perform daily walk around inspections and checks.</p>
19:00	21:00	2.00	P	<p>Well pressure = 4000kpa SICP=11959KPa RIH with plug and perforating BHA on e-line. Correlate depth to packer top @ 1477.35mKB. Continue in hole with e-line. Engage pumps @ 1650mKB at 1.1m3/min to assist e-line. Log onto depth set Halliburton plug top @ 2675.64mKB CE @ 2676mKB.</p> <p>Pull guns into position, perforate interval from 2666mKB to 2667mKB Pull guns into position, perforate interval from 2647mKB to 2648mKB Pull guns into position, perforate interval from 2628mKB to 2629mKB Pull guns into position, perforate interval from 2609mKB to 2610mKB Pull guns into position, perforate interval from 2590mKB to 2591mKB</p> <p>Well pressure=7200kpa Start out of hole with e-line (1 extra live gun) 13.4MPa Max pump down pressure, 20.4m³ fresh water pumped. Pumped 2.6m³ 60/40 methanol/water mix to winterize frac equipment.</p> <p>Hauled in and heated 750m³ of fresh water.</p>
21:00	22:30	1.50	P	<p>Held PJHA meeting with all personal on procedures of laying down a live gun. Layed down E-Line lubricator and tool, dis-armed gun and capped wellhead,</p>
22:30	05:30	7.00	P	<p>Winterized all frac equipment for night. IES greased all valves on wellhead, continued to haul in water and heat for next Frac in AM. Moved flameless heat for frac crew to heat needed equipment. Start up and warm frac equipment at 03:30 to prep for pressure test.</p>
05:30	06:00	0.50	P	<p>Placed Halliburton 60.3mm Composite 1.4 specific gravity B.P. ball on top of 4 1/16 valve. pressure test frac lines to 69MPa. Had multiple leaks on lines. Wait for day shift to circulate hot fresh water to heat lines prior to testing.</p>

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 20
Report Date: 2/13/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/13/2014 06:00	Report End Date 2/14/2014 06:00	Daily Cost Total (Cost) 1,184,391.74	Cumulative Cost (Cost) 12,616,980.47	Personnel Regular Hours (hr) 1,104.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short				Rig Weatherford, FS 463
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Overcast	Temperature (°C) -33	Lease Condition Ice Pad

Last 24hr Summary

Perform frac on Interval #3 @ 2590mKB- 2667mKB

Max pressure= 30.2 MPa

Ave pressure = 25.6 MPa

Max rate = 8.6m³/min

Avg rate = 7.6m³/min

Proppant pumped = 20.9T of 100 Mesh, 59.6T of 40/70, 20.0T of 30/50 PR6000

Max concentration = 600 kg/m3

Total water pumped = 649.37m3

Total 15% HCL pumped = 9.0m3

Post frac ISIP = 8.4MPa

Rig on e-line, RIH with plug and perforating BHA on e-line. Correlate depth to packer top @ 1477.35mKB. Continue in hole with e-line. Engage pumps @

1650mKB at 1.1m3/min to assist e-line. Plug top @ 2580.85mKB, CE @ 2581mKB

Perforated intervals 2,571.0 - 2,572.0m/ 2,552.0 - 2,553.0m/ 2,533.0 - 2,534.0m/2,514.0 - 2,515.0m/2,494.0 - 2,495.0mKB

Perform frac on Interval #4 @ 2495.0mKB- 2,571.0mKB

Max pressure= 30.1 MPa

Ave pressure = 25.5 MPa

Max rate = 8.5m³/min

Avg rate = 7.5m³/min

Proppant pumped = 20.15T of 100 Mesh, 61.00T of 40/70, 20.10T of 30/50 PR6000

Max concentration = 600 kg/m3

Total water pumped = 515.5m3

Total 15% HCL pumped = 9.0m3

Post frac ISIP = 10.3MPa

Rig on e-line, RIH with plug and perforating BHA on e-line. Correlate depth to packer top @ 1477.35mKB. Continue in hole with e-line. Engage pumps @ 1650mKB at 1.1m3/min to assist e-line.

Log onto depth set Halliburton plug top @ 2484.85mKB, @ 2485mKB CE.

Perforated intervals 2,475.0 - 2,476.0m/ 2,456.0 - 2,457.0m/ 2,437.0 - 2,438.0m. Total 10 shots/m, all fired, well stable.

Hauled in 420m³ of water and heat to 33°C, Greased all wellhead Valves and fired up equipment to pre-heat fro frac in AM.

24hr Forecast

Perform stage 5 and 6 of frac.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discuss Conoco PJHA and SOC JSA for fracing operations, hot fueling, heating and pumping water, plug and perf operations, communication, and driving.
07:00	08:30	1.50	P	Hook up hoses to frac manifold in frac tank farm, wait for SOC to warm up equip and get ready to frac.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 20
Report Date: 2/13/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
08:30	11:30	3.00	P	<p>Pumped 10.0m3 of 60°C f/w, pressure tested surface lines 69.0mpa. Openned I.E.S. 103.2mm gate valve, dropped Halliburton 60.3mm Composite B.P. ball, started pumping 15% HCL acid.</p> <ul style="list-style-type: none"> - Pumped 9.0m3 15% HCL acid at opening rate 0.20m3/min 3.7mpa, final rate 0.70m3/min 9.40mpa - Stop pump, ISIP = 9.1mpa, 5 min SICP = 7.1mpa. - Squeeze 9.0m3 acid followed by 10.7m3 Slick water into perms at 0.20m3/min 9.70mpa, shut down pump ISIP = 9.50mpa - Pumped 174.60m3 Slick Water pad #01 at rate 7.80m3/min 24.4mpa, 35.80 m3 WF130 pad #02 at final rate 8.0m3/min 24.40mpa. - Pumped 29.6m3 YF130Flex pad #03 at final rate 8.0m3/min 25.4mpa, started 100 Mesh frac sand. - Pumped 50, 75, 100, 150, and 200kg/m3 sand stages at rate of 8.0m3/min, pressures 29.2, 29.3, 29.3, 29.0, and 28.6mpa respectively, started 40/70 frac sand. - Pumped 200, 300, 400, and 500kg/m3 sand stages at rate 8.1 to 8.5m3/min with final pressures of 28.1, 26.5, 27.3, and 27.4mpa respectively, started 30/50 PR 6000 frac sand. - Pumped 3.0m3 YF130 spacer, then 23.3m3 Slick Water flush at final rate 8.60m3/min 28.90mpa. <p>Shut down pumps, ISIP = 11.30mpa, 5 min SICP = 8.40mpa. Placed 20,940 kg 100 Mesh, 59,620 kg 40/70, and 20,000 kg 30/50 PR 6000 frac sand with 649.37m3 frac fresh water. Shut in well.</p>
11:30	15:00	3.50	P	<p>Made up and tallied perf gun B.P. assembly. Picked up lubricator, pressure tested wellhead connection 60.0mpa. Rih to 1,500m at 50m/min, correlated on depth to 114.3mm Liner Top at 1,477.0mKB. Started pumping f/w down csg 0.30m3/min at 1,650mKB. Continued to rih, increased pump rate to 0.60m3/min @1700m, 0.90m3/min @1750m, and 1.10m3/min from 1800m down to 2,571.0mKB CCL depth. Shut down pumps, pulled up to 2,566.7m. Set 114.3mm Halliburton Flow Through 10K Composite BP at 2,581.0m, top at 2,580.85m, bottom at 2,581.25m. Picked up and positioned CCL to perforate the Canol formation with 79mm HSC csg gun L/w Owen SDP-3125-411NT4 charges at 6 SPM and 60° phasing.</p> <p>Interval #01: CCL depth = 2,561.10m, perforated interval 2,571.0 to 2,572.0m. Total 6 shots, all fired, well stable.</p> <p>Interval #02: CCL depth = 2,543.80m, perforated interval 2,552.0 to 2,553.0m. Total 6 shots, all fired, well stable.</p> <p>Interval #03: CCL depth = 2,526.60m, perforated interval 2,533.0 to 2,534.0m. Total 6 shots, all fired, well stable.</p> <p>Interval #04: CCL depth = 2,509.40m, perforated interval 2,514.0 to 2,515.0m. Total 6 shots, all fired, well stable.</p> <p>Interval #05: CCL depth = 2,491.20m, perforated interval 2,494.0 to 2,495.0m. Total 6 shots, all fired, well stable.</p> <p>Pooh, slowed to 2.50m/min coming to surface. Shut in well, bleed off lubricator to testers. Laid down lubricator, borke out perf gun assembly.</p> <p>Note: SOC had problems with gun shooting screen on computer, had to shut down computer 6 times to get gun shooting screen to come up for perforating the last 3 intervals.</p>
15:00	17:30	2.50	P	<p>Halliburton sat 60.3mm Composite 1.4 specific gravity B.P. Ball on top of hydraulic frac valve, installed and made up frac head cap. SOC pumped 15.0m3 33°C fresh water through wellhead to testers, alternated pumpers to heat up all pumps and lines. Pumped #03 had frozen line, thawed line with portable steamer.</p>
17:30	19:00	1.50	P	<p>Pumped 10.0m3 of 60°C f/w, pressure tested surface lines 69.0mpa. Openned I.E.S. 103.2mm gate valve, dropped Halliburton 60.3mm Composite B.P. ball, started pumping 15% HCL acid.</p> <ul style="list-style-type: none"> - Pumped 9.0m3 15% HCL acid at opening rate 0.20m3/min 3.7mpa, final rate 0.70m3/min 9.30mpa - Stop pump, ISIP = 9.5mpa, 5 min SICP = 6.2mpa. - Squeeze 9.0m3 acid followed by 10.7m3 Slick water into perms at 0.30m3/min 11.0mpa, shut down pump ISIP = 9.50mpa - Pumped 17.30m3 WF130 pad #01 at rate 0.2m3/min 9.5mpa, 33.9m3 YF130Flex pad #02 at final rate 5.3m3/min 20.1mpa. - Pumped 50, 75, 100, 150, and 200kg/m3 sand stages at rate of 8.5m3/min, pressures 27.5, 30.2, 29.5, 28.8, and 28.2mpa respectively, started 40/70 frac sand. - Pumped 200, 300, 400, and 500kg/m3 sand stages at rate 7.9 to 8.5m3/min with final pressures of 27.8, 26.3, 25.6, and 25.8mpa respectively, started 30/50 PR 6000 frac sand. - Pumped 500, 600kg/m3 sand stages at rate 8.5m3/min with final pressures of 26.6 and 26mpa respectively, - Pumped 3.0m3 WF130 spacer, then 21.8m3 Slick Water flush at final rate 8.2m3/min 26.7MPa. <p>Shut down pumps, ISIP = 10.3mpa, 5 min SICP = 11.0mpa. Placed 20,150 kg 100 Mesh, 61000 kg 40/70, and 20,100 kg 30/50 PR 6000 frac sand with 515.5m3 frac fresh water. Shut in well. Winterized Frac Equipment for night.</p>
19:00	00:00	5.00	P	<p>Made up and tallied perf gun B.P. assembly. Picked up lubricator, pressure tested wellhead connection 60.0mpa. Rih to 1,500m at 45m/min, correlated on depth to 114.3mm Liner Top at 1,477.0mKB. Started pumping f/w down csg 0.30m3/min at 1,650mKB. Continued to rih, increased pump rate to 0.60m3/min @1700m, 0.90m3/min @1750m, and 1.10m3/min from 1800m down to 2,482.9.0mKB CCL depth. Shut down pumps, pulled up to 2,474.3m CCL Depth. Set 114.3mm Halliburton Flow Through 10K Composite BP at 2,485.0m CE, top at 2,484.85m, bottom at 2,485.25m. Picked up and positioned CCL to perforate the Canol formation with 79mm HSC csg gun L/w Owen SDP-3125-411NT4 charges at 10 SPM and 60° phasing.</p> <p>Interval #01: CCL depth = 2,468.60m, perforated interval 2,475.0 to 2,476.0m. Total 10 shots, all fired, well stable.</p> <p>Interval #02: CCL depth = 2,451.40m, perforated interval 2,456.0 to 2,457.0m. Total 10 shots, all fired, well stable.</p> <p>Interval #03: CCL depth = 2,434.20m, perforated interval 2,437.0 to 2,438.0m. Total 10 shots, all fired, well stable.</p> <p>Pooh, Stopped at 100m and held safety meeting with all personal POOH with live gun.</p> <p>Slowed to 2.50m/min coming to surface. Shut in well, bleed off lubricator, Laid down lubricator, borke out perf gun assembly.</p> <p>12.7MPa Max pump down pressure, 18.3m3 fresh water pumped. Pumped 2.7m3 60/40 methanol/water mix to winterize frac equipment.</p> <p>Hauled in and heated 1280m3 of fresh water.</p>

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 21
Report Date: 2/14/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/14/2014 06:00	Report End Date 2/15/2014 06:00	Daily Cost Total (Cost) 876,987.34	Cumulative Cost (Cost) 13,493,967.81	Personnel Regular Hours (hr) 1,104.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short				Rig Weatherford, FS 463
Tubing Pressure (kPa)	Casing Pressure (kPa) 3,200	Weather Overcast	Temperature (°C) -33	Lease Condition Ice Pad

Last 24hr Summary

Waited 9 hrs for SOC to r/o broken down blender, move in and r/u replacement blender.

Perform frac on Interval #5 @ 2437mKB- 2476 mKB
Max pressure= 30.7 MPa
Ave pressure = 21.4 MPa
Max rate = 8.8m³/min
Avg rate = 5.4m³/min
Proppant pumped = 20.5T of 100 Mesh, 60.0T of 40/70, 19.8T of 30/50 PR6000
Max concentration = 600 kg/m3
Total water pumped = 700.4m3
Total 15% HCL pumped = 9.0m3
Post frac ISIP = 12.7MPa

Rig on e-line, RIH with plug and perforating Interval #6, BHA on e-line. Correlate depth to packer top @ 1477.35mKB. Continue in hole with e-line. Engage pumps @ 1650mKB at 1.1m3/min to assist e-line. Plug top @ 2427.85mKB, CE @ 2428mKB
Perforated intervals 2,418.0 - 2,419.0m/ 2,399.0 - 2,400.0m/ 2,380.0 - 2,2381.0m, 10SPM 60° Phase.

Hauled in 600m³ of water and heat to 33°C, Greased all wellhead Valves and fired up equipment to pre-heat fro frac in AM.

24hr Forecast

Perform stage 6 and 7 of frac

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discussed PJHA for fracing operations, perf and plug operations, heating and pumping frac water, cold weather, communication, and driving.
07:00	16:00	9.00	P	Continue to heat frac water, wait for SOC to move out broken down Blender, move in and r/u replacement Blender. Heated up blender hydraulics with flameless heater, pumped 15.5m3 of 60°C fresh water to testers, warmed up frac equip. Dropped 60.3mm Composite B.P. ball on top of 103.2mm hydraulic frac valve, installed wellhead cap. Pressure tested surface lines 69.0mpa.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 21
Report Date: 2/14/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
16:00	20:00	4.00	P	<p>Pumped 10.0m3 of 60°C f/w, pressure tested surface lines 69.0mpa. Opened I.E.S. 103.2mm gate valve, dropped Halliburton 60.3mm 1.4SG Composite B.P. ball, started pumping 15% HCL acid.</p> <ul style="list-style-type: none"> - Pumped 9.0m3 15% HCL acid at opening rate 0.20m3/min, 0.4mpa, final rate 0.60m3/min 9.0mpa - Stop pump, ISIP = 12.7mpa, 5 min SICP = 11.0mpa. - Squeeze 9.0m3 acid followed by 9.0m3 Slick water into perfs at 0.60m3/min 9.0mpa, shut down pump ISIP = 8.9mpa - Pumped 170.3m3 Slick Water pad #01 at rate 8.10m3/min 8.7mpa, - Pumped 30.9 m3 WF130 pad #02 at final rate 8.1m3/min 25.2mpa. - Pumped 30.8m3 YF130Flex pad #03 at final rate 8.1m3/min 26.5mpa, started 100 Mesh frac sand. - Pumped 50, 75, 100, 150, and 200kg/m3 sand stages at rate of 8.2m3/min, pressures 29.9, 28.9, 29.0, 29.3, and 28.2mpa respectively, started 40/70 frac sand. - Pumped 200, 300, 400, and 500kg/m3 sand stages at rate 8.2 to 8.5m3/min with final pressures of 28.4, 28.2, 28.4, and 27.8mpa respectively, started 30/50 PR 6000 frac sand. - Pumped 3.0m3 WF130 spacer, then 21.4m3 Slick Water flush at final rate 8.10m3/min 25.4mpa. <p>Shut down pumps, ISIP = 12.7mpa, 5 min SICP = 11.0mpa. Placed 20,500 kg 100 Mesh, 60,080 kg 40/70, and 19,780 kg 30/50 PR 6000 frac sand with 700.4m3 frac fresh water. Shut in well.</p>
20:00	23:00	3.00	P	<p>Held PJHA meeting with all personal on location. Made up and tallied perf gun B.P. assembly. Picked up lubricator, pressure tested wellhead connection 60.0mpa. Rih to 1,500m at 45m/min, correlated on depth to 114.3mm Liner Top at 1,477.0mKB. Started pumping f/w down csg 0.30m3/min at 1,650mKB. Continued to rih, increased pump rate to 0.60m3/min @1700m, 0.90m3/min @1750m, and 1.10m3/min from 1800m down to 2,422mKB CCL depth. Shut down pumps, pulled up to 2,417.3m CCL Depth. Set 114.3mm Halliburton Flow Through 10K Composite BP at 2,428m CE, top at 2,427.85m, bottom at 2,428.25m. Picked up and positioned CCL to perforate the Canol formation with 79mm HSC csg gun L/w Owen SDP-3125-411NT4 charges at 10 SPM and 60° phasing.</p> <p>Interval #01: CCL depth = 2,411.60m, perforated interval 2,418.0 to 2,419.0m. Total 10 shots, all fired, well stable. Interval #02: CCL depth = 2,394.40m, perforated interval 2,399.0 to 2,400.0m. Total 10 shots, all fired, well stable. Interval #03: CCL depth = 2,377.20m, perforated interval 2,380.0 to 2,381.0m. Total 10 shots, all fired, well stable.</p> <p>PooH, Stopped at 100m and held safety meeting with all personal POOH with live gun. Slowed to 2.50m/min coming to surface. Shut in well, bleed off lubricator, Laid down lubricator, borke out perf gun assembly. 10.7MPa Max pump down pressure, 20.1m³ fresh water pumped. Pumped 4.5m³ 60/40 methanol/water mix to winterize frac equipment.</p> <p>Hauled in and heated 600m³ of fresh water.</p>
23:00	06:00	7.00	P	<p>Winterized all frac equipment for night. Thawed frac riser line that was frozen. IES greased all valves on wellhead, continued to haul in water and heat for next Frac in AM. Start up and warm frac equipment at 03:30 to prep for pressure test.</p> <p>Note: Hauled out 54m³ to disposal at Tervita in Rainbow lake</p>

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	845.00	54.00	734.00	0.00	3,625.27

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Trucking/Hauling/ Hot Shot Services	***VENDOR NOT LISTED***	P100	1,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	554.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	6,104.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	14,260.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	4,490.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	13,720.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	13,720.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	3,355.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	29,900.00
Service Rig	CONOCO	E120	37,000.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,400.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	195.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	3,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	4,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	280.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	2,000.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	6,914.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	2,084.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	6,630.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	374.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 22
Report Date: 2/15/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00 PBDT (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
			Responsible Grp 2 lagartn
			Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/15/2014 06:00	Report End Date 2/16/2014 06:00	Daily Cost Total (Cost) 1,045,914.88	Cumulative Cost (Cost) 14,539,882.69	Personnel Regular Hours (hr) 1,092.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short				Rig Weatherford, FS 463
Tubing Pressure (kPa)	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -34	Lease Condition Ice Pad

Last 24hr Summary

Warmed up frac equip 20m3 55°C f/w, pressure tested 69.0mpa. Frac'd Canol, spearhead 9.0m3 15% HCL. Placed 20 tonnes 100 Mesh, 60 tonnes 40/70, and 20 tonnes 30/50 PR 6000 frac sand with 500.7m3 WF 130, and YF130Flex water. Average pressure= 20.6mpa, average rate = 5.20m3/min, sand placed at rates 8.10 to 9.10m3/min, at pressures from 27.8 to 30.6mpa. E-Line set 114.3mm Halliburton 10K Flow Through B.P. at 2,371.0mKB, and perforated intervals 2361.0-62.0, 2342.0-43.0, 2323.0-24.0, 2304.0-05.0, and 2,285.0-86.0mMD. R/o E-Line, r/u to frac.

Perform frac on Interval #7 @ 2285mKB- 2362mKB

- Breakdown = 19.4 MPa
- Max pressure= 30.1 MPa
- Ave pumping pressure = 19.9 MPa
- Max rate = 9.10m³/min
- Average rate = 5.5m³/min
- Proppant pumped = 20.5 T of 100 Mesh
 - 66.3 T of 40/70
 - 23.4 T of 30/50 PR6000
- Max concentration = 600 kg/m3
- Total water pumped = 541.3m3
- Total 15% HCL pumped = 9m3
- Post frac ISIP = 11MPa

Rig on e-line, RIH with plug and perforating BHA on e-line. Correlate depth to packer top @ 1477.35mKB. Continue in hole with e-line. Engage pumps @ 1650mKB at 0.3m³/min to assist e-line increasing to 1.1m³/min down to 2280.7mKB

Pull up, Log onto depth set Halliburton 10K flow through plug ,top @ 2275.85mKB CE @ 2276mKB.

perforate interval from 2265mKB to 2266mKB

perforate interval from 2246mKB to 2247mKB

perforate interval from 2227mKB to 2228mKB

perforate interval from 2208mKB to 2209mKB

perforate interval from 2189mKB to 2190mKB

Rig down e-line. IES greased all valves on frac head.

24hr Forecast

Perform stage 7 and 8 of frac

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discuss PJHA and SOC JSA for multiple operations, Fracing operations, Plug and perf operations, pumping acid, heating and transfer water, communication, and driving.
07:00	08:15	1.25	P	Pumped 20.0m3 45°C f/w through test equip to testers, warmed up frac equip. Remove wellhead cap and dropped Halliburton 60.3mm Composite Ball on top of 103.2mm hydraulic frac valve. Installed wellhead cap, pressure tested surface lines 69.0mpa.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 22
Report Date: 2/15/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
08:15	10:45	2.50	P	<p>Opened 103.2mm hydraulic frac valve, dropped Halliburton 60.3mm 1.4 specific gravity Composite B.P. Ball.</p> <ul style="list-style-type: none"> - Pumped 9.0m3 15% HCL acid followed by 8.60m3 WF130 pad at 0.80m3/min 11.6mpa, shut down pumps, ISIP = 11.2mpa - Continued pumping WF 130 pad #01, squeeze acid. Pumped 8.60m3, final rate 0.20m3/min 8.80mpa. shut down pumps, ISIP = 8.20mpa. - Pumped final 30.0m3 of WF 130 pad #01, final rate 0.10m3/min 10.0mpa, started pad #02. - Pumped 56.10m3 YF130Flex pad #02 at final rate 1.60m3/min 12.5mpa, started 100 Mesh frac sand - Pumped 50, 75, 100, 150, and 200kg/m3 sand stages at rate 8.10, 8.20, 8.40, 8.70, and 8.90m3/min, with final stage pressures of 27.8, 28.2, 28.9, 28.7, and 28.2mpa respectively, started 40/70 frac sand. - Pumped 200, 300, 400, and 500kg/m3 40/70 sand stages at rate 9.10m3/min with pressures of 28.3, 28.4, 27.8, and 28.1mpa respectively, started 30/50 PR 6000 frac sand. - pumped 500, and 600kg/m3 30/50 aPR 6000 sand stages at rate 9.10m3/min, with final pressures 27.7 and 27.8mpa respectively, start WF 130 Spacer. - pumped 3.60m3 WF 130 Spacer at final rate of 9.10m3/min 28.90mpa, started flush. - Pumped 20.40m3 Slick Water flush at final rate 9.10m3/min 30.60mpa. Shut down pumps, ISIP = 12.3mpa, 5 min SICP = 10.3mpa, and 10 min SICP = 8.60mpa. Placed 20 tonnes 100 Mesh, 60 tonnes 40/70, and 20 tonnes 30/50 PR 6000 frac sand with 500.7m3 frac water.
10:45	13:45	3.00	P	<p>Made up and tallied perf gun B.P. assembly, picked up lubricator. Rih to 1,500m at 50m/min, correlated on depth to 114.3mm liner top at 1,477.0mKB. Rih to 1,650mKB, started pumping f/w at 0.30m3/min. Continued to rih, increased pump rate to 0.60m3/min @1,700, 0.90 @1,750, and 1.10m3/min from 1,800 to 2,365.0mMD, shut down pumps. Picked up 8.30m and positioned CCL at 2,356.70mMD, set 114.3mm Halliburton Flow Through 10 K Composite B.P. at 2,371.0mMD C.E., top at 2,370.85mMD. Picked up and positioned CCL to perforate the Canol formation with 79,, HSC Csg Guns L/w Owen SDP-3125-411NT4 charges at 6 SPM and 60° phasing.</p> <ul style="list-style-type: none"> - Interval #01: CCL depth 2,351.10mMD, perforated interval 2,361.0 to 2,362.0mMD. Total 6 shots, all fired, well stable - Interval #02: CCL depth 2,333.80mMD, perforated interval 2,342.0 to 2,343.0mMD. Total 6 shots, all fired, well stable. - Interval #03: CCL depth 2,316.60mMD, perforated interval 2,323.0 to 2,324.0mMD. Total 6 shots, all fired, well stable. - Interval #04: CCL depth 2,299.40mMD, perforated interval 2,304.0 to 2,305.0mMD. Total 6 shots, all fired, well stable. - Interval #05: CCL depth 2,282.20mMD, perforated interval 2,285.0 to 2,286.0mMD. Total 6 shots, all fired, well stable. <p>Pooh 50m/min, slowed to 2.50m/min at 100m. Shut in well, bleed off lubricator to vacuum truck. Lay down lubricator, disarm 1 live gun.</p>
13:45	16:15	2.50	P	<p>Frac Interval # 7 as follows:</p> <p>Opened 103.2mm hydraulic frac valve, dropped Halliburton 60.3mm 1.4 specific gravity Composite B.P. Ball.</p> <ul style="list-style-type: none"> - Pumped 9.0m3 15% HCL acid followed by 8.0m3 WF130 pad at 0.60m3/min 9.6MPa, shut down pumps, ISIP = 9.4MPa - Continued pumping WF 130 pad #01, squeeze acid. Pumped 8.10m3, final rate 0.20m3/min 8.40MPa. shut down pumps, ISIP = 10.3MPa. - Pumped final 31.3m3 of WF 130 pad #01, final rate 0.30m3/min 10.0MPa. - started pad #02. - Pumped 56.10m3 YF130Flex pad #02 at final rate 1.60m3/min 12.5mpa, started 100 Mesh frac sand - Pumped 50, 75, 100, 150, and 200kg/m3 sand stages at rate 8.10, 8.20, 8.50, 8.30, and 8.50m3/min, with final stage pressures of 27.4, 28.1, 28.6, 27.3, and 25.0mpa respectively. - started 40/70 frac sand. - Pumped 200, 300, 400, and 500kg/m3 40/70 sand stages at rate 8.2, 8.6, 8.5, and 9.0m3/min with pressures of 27.6, 26.9, 25.1, and 26.6MPa respectively. - started 30/50 PR 6000 frac sand. - pumped 500, and 600kg/m3 30/50 aPR 6000 sand stages at rate 9.0 and 9.10m3/min, with final pressures 25.7 and 25.5MPa respectively, - start WF 130 Spacer. - pumped 3.60m3 WF 130 Spacer at final rate of 9.10m3/min 24.80 MPa, started flush. - Pumped 19.80m3 Slick Water flush at final rate 9.10m3/min 26.30MPa. Shut down pumps, ISIP = 11.0MPa, 5 min SICP = 10.5MPa, and 15 min SICP = 9.0MPa. Placed 20 tonnes 100 Mesh, 60 tonnes 40/70, and 20 tonnes 30/50 PR 6000 frac sand with 541.30m3 frac water.
16:15	18:00	1.75	P	Winterize frac equipment, prep for pump down operations.
18:00	18:30	0.50	P	Wellsite supervisor shift change.
18:30	19:00	0.50	P	Held pre-job safety and operations meeting with all services. Review Conoco PJHA on plug and perf pumpdown operations. Perform daily walk around inspections and checks.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 22
Report Date: 2/15/2014
Final Job Status: GAS
Final Report? Yes

JULY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
19:00	22:30	3.50	P	Made up and tallied perf gun B.P. assembly, picked up lubricator. Rih to 1,500m at 50m/min, correlated on depth to 114.3mm liner top at 1,477.0mKB. Rih to 1,650mKB, started pumping f/w at 0.30m3/min. Continued to rih, increased pump rate to 0.60m3/min @ 1,700, 0.90 @ 1,750, and 1.10m3/min from 1,800 to 2,280.70mMD, shut down pumps. Picked up and positioned CCL at 2261.70mMD, set 114.3mm Halliburton Flow Through 10 K Composite B.P. at 2276.0mMD C.E., top at 2,275.85mMD. Picked up and positioned CCL to perforate the Canol formation with 79mm, HSC Csg Guns c/w Owen SDP-3125-411NT4 charges at 6 SPM and 60° phasing. - Interval #01: CCL depth 2255.10mMD, perforated interval 2,265.0 to 2,266.0mMD. Total 6 shots, all fired, well stable - Interval #02: CCL depth 2237.80mMD, perforated interval 2,246.0 to 2,247.0mMD. Total 6 shots, all fired, well stable. - Interval #03: CCL depth 2,220.60mMD, perforated interval 2,227.0 to 2,228.0mMD. Total 6 shots, all fired, well stable. - Interval #04: CCL depth 2,203.40mMD, perforated interval 2,208.0 to 2,209.0mMD. Total 6 shots, all fired, well stable. - Interval #05: CCL depth 2,186.20mMD, perforated interval 2,189.0 to 2,190.0mMD. Total 6 shots, all fired, well stable. PooH 50m/min, slowed to 2.50m/min at 100m. Stop 100m from surface. Held safety meeting with all services involved in laying down live gun. Pump 2.4m³ of 60/40 methanol/water mix through pumps and down well to winterize. Drain and suck out lube and lines with vac truck. Lay down lube, disarm and break down plug and perf BHA. Pumped 10.4m³ of fresh water for pump down. Max pressure was 10.9MPa
22:30	06:00	7.50	P	IES tech greased all valves on frac head. Secure well. Continue to haul in and heat fresh water to ± 32° C for frac.

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	980.00	0.00	1,084.30	0.00	4,709.57

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Trucking/Hauling/ Hot Shot Services	***VENDOR NOT LISTED***	P100	1,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	554.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	4,344.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	13,720.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	13,720.00
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	2,275.00
Fracture Stimulation Services	CANOL OILFIELD SERVICES INC	N110	29,900.00
Service Rig	CANOL OILFIELD SERVICES INC	E120	4,490.00
Service Rig	CONOCO	E120	37,000.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,400.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	195.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	3,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	4,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	4,410.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	280.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	2,000.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	6,914.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	2,084.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	6,630.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	374.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,545.00
Surface Completion Equipment Rental	MYB CONSTRUCTION LTD	Q300	1,380.00
Surface Completion Equipment Rental	MYB CONSTRUCTION LTD	Q300	2,000.00
Trucking/Hauling/ Hot Shot Services	NCSG CRANE & HEAVY HAUL SERVICES LTD	P100	7,230.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	3,570.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	10,977.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	12,630.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	3,570.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	3,430.00
Completion Fluids & Other Chem	PBN ENERGY SERVICES LTD	G300	5,575.00
Welltesting (Eqpmt,Srvcs,PTA,Gov't Subs)	PROTECHNICS - CORE LABS	M220	10,024.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00
Surface Completion Equipment Rental	RIGSAT COMMUNICATIONS INC	Q300	15.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 23
Report Date: 2/16/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/16/2014 06:00	Report End Date 2/17/2014 06:00	Daily Cost Total (Cost) 1,061,690.94	Cumulative Cost (Cost) 15,601,573.63	Personnel Regular Hours (hr) 1,092.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short				Rig Weatherford, FS 463
Tubing Pressure (kPa) 3,800	Casing Pressure (kPa) 3,800	Weather Clear	Temperature (°C) -30	Lease Condition Ice Pad

Last 24hr Summary

P-Tested 69.0mpa. Spearheaded frac with 9.0m³ 15% HCL acid. Frac'd interval #08 from 2,266.0 to 2,189.0mKB with 20 tonnes 100 Mesh, 60 tonnes 40/70, 20 tonnes 30/50 PR 6000 frac sand, and 547.30m³ WF130/YF130Flex frac water. Average pressure = 19.50mpa, max pressure = 29.30mpa, average rate = 6.0m³/min, max rate = 9.6m³/min. Flushed frac with 18.60m³ Slick Water. R/u E-Line, rih and pump down perf gun and B.P. assembly. Set Halliburton 114.3mm 10K Composite Flow Through B.P. at 2,180.0mMD C.E. Perforated Canol #09 intervals 2170.0-71.0, 2151.0-52.0, 2132.0-33.0, 2113.0-14.0, and 2094.0-05.0mMD.

P-Tested 69.0mpa. Spearheaded frac with 8.0m³ 15% HCL acid. Frac'd interval #09 from 2170.0 to 2094.0mKB with 20.2 tonnes 100 Mesh, 59.1 tonnes 40/70, 20.4 tonnes 30/50 PR 6000 frac sand, and 707.8m³ WF130/YF130Flex frac water. Average pressure = 19.0MPa, Max Pressure = 29.5MPa, Avg Rate = 6.1m³/min, Max Rate = 9.6m³/min. Flushed frac with 19.1m³ Slick Water. R/u E-Line, rih and pump down perf gun and B.P. assembly. Set Halliburton 114.3mm 10K Composite Flow Through B.P.w/ball in place at 2,085mMD C.E.

Perform Evaluation test on interval #10 while pumping down guns and shooting interval, evaluate the inter-stage (annular) pressure communication.

-Pumped down Plug with 1.4SG composite ball in place.

-ISIP = 10.8MPa

-3min ISIP = 6.2MPa

-ISIP prior to plug set = 4.7MPa

Set plug and pressure tested to 35MPa for 5mins, test good. Bleed down CSG to 15MPa, ready to shoot interval

-Interval #01: CCL at 2,065.1mMD, perforated interval 2,075.0 to 2,076.0mMD.

-Shoot interval ISIP after shooting = 14.8MPa, 1min = 14.8MPa, 2min = 14.8MPa, 3min = 14.9MPa, 4min = 14.9MPa, 5min = 15MPa

21:45hrs pump @ 0.25m³/min for a break down @ 25.7MPa, continued pumping for a total of 1.2m³, pressure stabilized @ 19.1MPa.

Shutdown Pumps ISIP = 18.7MPa, 5min ISIP = 11.6MPa

Perforated Final Canol #10 intervals 2056.0-2057.0m, 2036.0-2037.0m, 2017.0-2018.0m, and 1998.0-1999.0mKB.

24hr Forecast

Perform stage 10 frac, rig out Frac equipment and rig in Coil Tubing.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discuss Conoco PJHA and SOC JSA for multiple operations, fracing operations, pumping acid, plug and perf, winterizing equip, heat and pump fresh water, communications, enviromental concerns, and driving.
07:00	09:30	2.50	P	Warm up frac motors and frac equip hydraulics, get ready to frac. Pump 20.0m ³ of 55°C water to testers, warm up pumps. Remove wellhead cap, set ball on top of 103.2mm hydraulic frac valve. Pressure test surface lines to 69.0mpa.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 23
Report Date: 2/16/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
09:30	11:30	2.00	P	<p>Opened hydraulic frac valve, dropped 60.3mm Composite 1.4 specific gravity Halliburton B.P. Ball, wait 10 min for ball to fall.</p> <ul style="list-style-type: none"> - Pumped 9.0m³ 15% HCL acid followed by 7.0m³ WF130 pad #01 frac waterdown csg 0.70m³/min 9.90mpa. - Shut down pumps, ISIP = 8.20mpa, 5 min SICP = 6.6mpa. - Continue pumping pad #01, pumped 23.0m³ WF130 frac water at 0.20m³/min 12.8mpa, squeeze acid into perms. - Shut down pumps, ISIP = 10.50mpa, 5 min SICP = 9.80mpa. - Pumped final 34.2m³ of WF130 pad at final rate 0.30m³/min 9.50mpa, started YF130Flex pad #02. - Pumped 36.90m³ YF130Flex frac water pad #02 at final rate 7.20m³/min 21.40mpa, started 100 Mesh frac sand. - Pumped 50, 75, 100, 150, and 200kg/m³ 100 Mesh sand stages at rates of 8.60, 8.80, 9.0, 9.30, and 9.30 with final stage pressures of 25.70, 27.20, 27.40, 27.40, and 27.40mpa respectively, started 40/70 Mesh frac sand. - Pumped 200, 300, 400, and 500kg/m³ 40/70 sand stages at final rates of 9.40, 9.40, 9.60, and 9.60mpa with final stage pressures of 24.90, 25.30, 26.60, and 23.90mpa respectively, started 30/50 PR 6000 frac sand. - Pumped 500, and 600kg/m³ 30/50 PR 6000 sand stages at final rate of 9.60m³/min with final stage pressures of 26.5, and 26.8mpa, started WF130 frac water spacer. - Pumped 3.80m³ WF130 spacer at final rate 9.60m³/min, 26.50mpa, started flush. - Pumped 18.60m³ Slick Water flush at final rate 9.70m³/min 26.80mpa. Shut down pumps, ISIP = 9.20mpa, 5 min SICP = 10.4mpa, and 10 min SICP = 5.50mpa. Placed 20 tonnes 100 Mesh, 60 Tonnes 40/70, and 20 tonnes 30/50 PR 6000 frac sand with 547.30m³ frac water.
11:30	14:30	3.00	P	<p>Tallied and made up perf gun B.P. assembly, picked up lubricator. Rih with E-line, pulled CCL strip from 1,500mMD up to 1,410mKB, and correlated to 114.3mm liner top at 1,477.35mKB. Continued to rih to 2,175.0mMD, started pumping at 0.30m³/min at 1650m, 0.60m³/min at 1700m, 0.90m³/min at 1750m, and 1.10m³/min from 1800 to 2,175.0mMD. Picked up and position B.P.</p> <ul style="list-style-type: none"> - CCL at 2,165.70mMD set 114.3mm Halliburton Composite Flow Through B.P. at 2,180.0mMD C.E., top at 2,179.85mMD. - Interval #01: CCL at 2,160.10mMD, perforated interval 2,170.0 to 2,171.0mMD. Total 6 shots, all fired, well stable. - Interval #02: CCL at 2,142.80mMD, perforated interval 2,151.0 to 2,152.0mMD. Total 6 shots, all fired, well stable. - Interval #03: CCL at 2,125.60mMD, perforated interval 2,132.0 to 2,133.0mMD. Total 6 shots, all fired, well stable. - Interval #04: CCL at 2,108.40mMD, perforated interval 2,113.0 to 2,114.0mMD. Total 6 shots, all fired, well stable. - Interval #05: CCL at 2,091.20mMD, perforated interval 2,094.0 to 2,095.0mMD. Total 6 shots, all fired, well stable. <p>Pooh, lay down lubricator and perf gun assembly, disarmed 1.0m perf gun.</p>
14:30	18:30	4.00	P	<p>Opened hydraulic frac valve, dropped 60.3mm Composite 1.4 specific gravity Halliburton B.P. Ball, wait 10 min for ball to fall.</p> <ul style="list-style-type: none"> - Pumped 8.0m³ 15% HCL acid followed by 7.0m³ slickwater pad #01 frac water down csg 0.70m³/min 6.20MPa. - Shut down pumps, ISIP = 12.4MPa, 5 min SICP = 8.1MPa. - Continue pumping pad #01, pumped 30.1m³ slickwater frac water at 0.2m³/min 11.3MPa, squeeze acid into perms. - Shut down pumps, ISIP = 11.3MPa, 5 min SICP = 9.1MPa. - Pumped final 174.9m³ of slickwater pad at final rate 0.70m³/min 9.1MPa, started YF130Flex pad #02. - Pumped 53.6m³ YF130Flex frac water pad #02 at final rate 9.5m³/min @ 24.8MPa, - Pumped 34.7m³ YF130Flex frac water pad #03 at final rate 9.1m³ @ 24MPa, started 100 Mesh frac sand. - Pumped 50, 75, 100, 150, and 200kg/m³ 100 Mesh sand stages at rates of 8.9, 9.1, 9.1, 9.1, and 9.4 with final stage pressures of 24.9, 27.4, 27.1, 26.4, and 27.2MPa respectively, started 40/70 Mesh frac sand. - Pumped 200, 300, 400, and 500kg/m³ 40/70 sand stages at final rates of 9.1, 9.4, 9.5, and 9.5MPa with final stage pressures of 27.2, 25.3, 24.3, and 23.6MPa respectively, started 30/50 PR 6000 frac sand. - Pumped 500, and 600kg/m³ 30/50 PR 6000 sand stages at final rate of 9.5m³/min with final stage pressures of 23.3, and 23.7MPa, started WF130 frac water spacer. - Pumped 2.8m³ WF130 spacer at final rate 9.5m³/min, 24.3MPa, started flush. - Pumped 19.1m³ Slick Water flush at final rate 9.5m³/min 24.8MPa. Shut down pumps, ISIP = 11.7MPa, 5 min SICP = 10.9MPa, and 10 min SICP = 9.2MPa. Placed 20 tonnes 100 Mesh, 59 Tonnes 40/70, and 20 tonnes 30/50 PR 6000 frac sand with 707.8m³ frac water.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 23
Report Date: 2/16/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
18:30	00:30	6.00	P	<p>Tallied and made up perf gun B.P. assembly with ball Composite Frac ball in place in plug, picked up lubricator. Rih with E-line, pulled CCL strip from 1,500mMD up to 1,410mKB, and correlated to 114.3mm liner top at 1,477.35mKB. Continued to rih to 2,175.0mMD, started pumping at 0.30m³/min at 1650m, 0.60m³/min at 1700m, 0.90m³/min at 1750m, and 1.10m³/min from 1800 to 2,175.0mMD. Picked up and position B.P.</p> <p>- CCL at 2,070.70mMD set 114.3mm Halliburton Composite Flow Through B.P. at 2,085mMD C.E., top at 2,084.85mMD. Perform Evaluation test while pumping down guns and shooting interval, evaluate the inter-stage (annular) pressure communication.</p> <p>-Pumped down Plug with 1.4SG composite ball in place.</p> <p>-ISIP = 10.8MPa</p> <p>-3min ISIP = 6.2MPa</p> <p>-ISIP prior to plug set = 4.7MPa</p> <p>Set plug and pressure tested to 35MPa for 5mins, test good. Bleed down CSG to 15MPa and ready to shoot interval</p> <p>-Interval #01: CCL at 2,065.1mMD, perforated interval 2,075.0 to 2,076.0mMD.</p> <p>-Shoot interval ISIP after shooting = 14.8MPa, 1min = 14.8MPa, 2min = 14.8MPa, 3min = 14.9MPa, 4min = 14.9MPa, 5min = 15MPa</p> <p>21:45hrs pump @ 0.25m³/min for a break down @ 25.7MPa, continued pumping for a total of 1.2m³, pressure stabilized @ 19.1MPa.</p> <p>Shutdown Pumps ISIP = 18.7MPa, 5min ISIP = 11.6MPa. Continue to perforate the rest of the intervals as normal.</p> <p>- Interval #02: CCL at 2,047.8mMD, perforated interval 2,056.0 to 2,057.0mMD.</p> <p>- Interval #03: CCL at 2,029.6mMD, perforated interval 2,036.0 to 2,037.0mMD.</p> <p>- Interval #04: CCL at 2,012.4mMD, perforated interval 2,017.0 to 2,018.0mMD.</p> <p>- Interval #05: CCL at 1,995.2mMD, perforated interval 1,998.0 to 1,999.0mMD.</p> <p>Pooh, lay down lubricator and perf gun assembly, disarmed 1.0m perf gun, check all shots fired on guns and in good condition.</p> <p>Rigged E-Line BOP's off wellhead and ready to install CT BOPs.</p>
00:30	06:00	5.50	P	<p>Greased all valves on wellhead</p> <p>Stump test all CT BOP rams to 1.4MPa and 58.5MPa for 10mins, tests good, had several small leaks that had to be fixed.</p> <p>Installed CT BOP's on wellhead and pressure test rig groove to 1.4MPa and 57.5MPa, for 10mins each. Test also good.</p> <p>All pressure tests charted, Ready to frac Interval #10</p>

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	983.00	0.00	1,292.10	0.00	6,001.67

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Trucking/Hauling/ Hot Shot Services	***VENDOR NOT LISTED***	P100	1,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	532.44
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	15,000.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	13,720.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	13,720.00
Maintain Road & Location	CANOL OILFIELD SERVICES INC	D230	2,050.00
Service Rig	CONOCO	E120	37,000.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,400.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	195.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	3,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	4,400.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	280.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	2,000.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	6,914.00
Safety Equipment & Services	HODGSON'S CONTRACTING (2005) LTD	T430	2,084.00
Surface Completion Equipment Rental	HORIZON OILFIELD SOLUTIONS INC	Q300	3,446.15
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	6,630.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	374.00
Wellsite Supervision & Engineering	MINAULT ENERGY SERVICES LTD	T130	1,545.00
Surface Completion Equipment Rental	MYB CONSTRUCTION LTD	Q300	1,150.00
Surface Completion Equipment Rental	MYB CONSTRUCTION LTD	Q300	2,000.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	3,570.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	10,710.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	10,440.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	4,300.00
Completion Fluids & Other Chem	NORTHERN TRUCK SERVICES (1994) LTD	G300	3,971.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 24
Report Date: 2/17/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/17/2014 06:00	Report End Date 2/18/2014 06:00	Daily Cost Total (Cost) 666,941.53	Cumulative Cost (Cost) 16,268,515.16	Personnel Regular Hours (hr) 1,092.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short				Rig Weatherford, FS 463
Tubing Pressure (kPa)	Casing Pressure (kPa) 7,700	Weather Clear	Temperature (°C) -28	Lease Condition Ice Pad

Last 24hr Summary

Warm up frac motors and frac equip hydraulics, get ready to frac. Pump 20.0m3 of 55°C water to testers, warm up pumpers. Pressure test surface lines to 69.0mpa.

Perform frac on Canol Interval #10 @ 1998.0mKB- 2076mKB

Max pressure= 28.8 MPa

Ave pressure = 20.6 MPa

Max rate = 9.5m³/min

Avg rate = 5.7m³/min

Proppant pumped = 17.5T of 100 Mesh, 66.5T of 40/70, 22.7T of 30/50 PR6000

Max concentration = 600 kg/m3

Total water pumped = 507.4m3

Total 15% HCL pumped = 8m3

Post frac ISIP = 11.1MPa

Winterize frac equipment with 60/40 % methanol water, inject 1m³ into wellbore to winterize wellhead and exposed wellbore. Bleed off and drain up all equipment, remove all fluid from surface lines with vac truck, placing collected fluid in flow back tanks. Rig out treatment standing iron and wrap up all frac iron around well center.

Held Safety + Operations meeting with coil tbq crew and all associated services. Discussed PJHA for rigging in coil tbq and milling operations, heating and pumping meth/water, cold weather, environmental concerns, and communication.

Installed coil connector, pull tested to 21,000LBs, good test. Installed injector and lubricator on wellhead, pressure tested to 1.4MPa and 57MPa for 10mins each, test all good. Installed BHA and start in hole with mud motor to drill out plugs.

Equalized and Start in hole with BHA @ 20m/min, function tested Mud Motor at 100m and seems to be working good. Continue in hole at a rate of 20m/min. Pull testing every 500m in hole.

Tagged first plug @ 2081.4mMD, 3.45m correction. @ 5:47hrs.

Drilled with 1/2 daN weight @ 420 L/min, plug drilled out in 18mins.

Pumped 1m³ gel slug, 2m³ fresh water spacer, 1m³ gel slug.

Continue RIH to next plug, start drilling when gel plug was around heel.

24hr Forecast

Drill out Halliburton Obsidian 10K flow through plugs following drill out plan with coil TBG.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS Shift Change
06:30	07:00	0.50	P	Held Safety + Operations meeting with all crews on location. Discussed PJHA for fracing operations, heating and pumping frac water, rigging out demobilizing Frac equipment, cold weather, environmental concerns, communication, and driving.
07:00	09:00	2.00	P	Warm up frac motors and frac equip hydraulics, get ready to frac. Pump 20.0m3 of 55°C water to testers, warm up pumpers. Pressure test surface lines to 69.0mpa.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 24
Report Date: 2/17/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
09:00	11:00	2.00	P	<p>Opened hydraulic frac valve.</p> <ul style="list-style-type: none"> - Pumped 8.0m³ 15% HCL acid followed by 4.2m³ WF130 pad #01 frac water down csg 0.70m³/min 16.4MPa. - Shut down pumps, ISIP = 9.60MPa, 5 min SICP = 6.6MPa. - Continue pumping pad #01, pumped 25.8m³ WF130 frac water at 0.20m³/min 6.6MPa, squeeze acid into perms. - Shut down pumps, ISIP = 10.20MPa, 5 min SICP = 8.40MPa. - Pumped final 31.5m³ of WF130 pad at final rate 0.30m³/min 8.40MPa, - started YF130Flex pad #02. - Pumped 33.30m³ YF130Flex frac water pad #02 at final rate 8.20m³/min 24.20MPa, - started 100 Mesh frac sand. - Pumped 50, 75, 100, 150, and 200kg/m³ 100 Mesh sand stages at rates of 8.80, 9.0, 9.2, 9.50, and 9.50 with final stage pressures of 26.70, 26.80, 27.0, 27.60, and 26.0MPa respectively, - started 40/70 Mesh frac sand. - Pumped 200, 300, 400, and 500kg/m³ 40/70 sand stages at final rates of 9.40, 9.50, 9.50, and 9.50mpa with final stage pressures of 25.50, 25.0, 24.30, and 23.50mpa respectively, - started 30/50 PR 6000 frac sand. - Pumped 500, and 600kg/m³ 30/50 PR 6000 sand stages at final rate of 9.50m³/min with final stage pressures of 23.8, and 23.7MPa, started WF130 frac water spacer. - Pumped 3.0m³ WF130 spacer at final rate 9.50m³/min, 26.0MPa, started flush. - Pumped 13.30m³ Slick Water flush at final rate 9.50m³/min 26.60MPa. Shut down pumps, ISIP = 11.1MPa, 5 min SICP = 11.0MPa. Placed 20 tonnes 100 Mesh, 60 Tonnes 40/70, and 20 tonnes 30/50 PR 6000 frac sand with 507.40m³ frac water.
11:00	17:30	6.50	P	<p>Winterize frac equipment with 60/40 % methanol water, inject 1m³ into wellbore to winterize wellhead and exposed wellbore. Bleed off and drain up all equipment, remove all fluid from surface lines with vac truck, placing collected fluid in flow back tanks. Rig out treatment standing iron and wrap up all frac iron around well center.</p>
17:30	18:30	1.00	P	<p>Held Safety + Operations meeting with coil tbg crew and all associated services. Discussed PJHA for rigging in coil tbg and milling operations, heating and pumping meth/water, cold weather, environmental concerns, and communication.</p>
18:30	22:30	4.00	P	<p>Mix 4m³ fresh water with 60% meth/water mix to heat mix to 25°C. Methonal water mix now @ 50% meth/water. 24m³ total on location. Fuel equipment and wait on Crane Operator shift change.</p>
22:30	03:30	5.00	P	<p>Installed CT connector and pull tested to 21,000daN. Test good. Installed injector and lubricator on wellhead. Filled Coil with 6.4m³ of 25°C 50/50 Meth/water, pressure tested lubricator, BOPs and connections to 1.4MPa for 10mins, test good. Pressured up to 20MPa and started to leak on all connections, pump another 1.5m³ of warm Meth/Water mix and re-tested. Tested lubricator/BOPs and connections to 57MPa for 10mins, test good.</p> <p>Broke off lubricator and installed BHA as follows using hyd. tongs: 95mm x 0.3m 5 blade concave mill w/5-10mm water ports 73mm x 3.90m PowerPlus Motor, 188-470 rpm, Max Diff Pressure 7033KPa, Torque @ Max pressure = 646ft-lbs. 73mm x 0.35m, 22.2mm ID Disconnect, 7/8" ball, 4 pin 4800psi. 73mm x 1.72m, 25.4mm Bi-Directional Ultra Jar, Max over pull 32,000 lbf, Max overpush 32,000lbf, 304.8mm stroke 73mm x 0.90m, 35.05mm Motorhead Assy, Double Flapper, Hyd Disconnect, 1 1/8" ball seat, 6 pin 35MPa, circ sub, 1" ball seat/ 4 shear 73mm x 0.17m, connector assyembly, dimple F/2 CT pull tested to 21000daN. Total length = 7.34m, Min ID = 22.21mm, Max OD = 95mm</p> <p>Re-installed Lubicator and injector on wellhead, Tested quick connector on lub to 60MPa, test good.</p>
03:30	06:00	2.50	P	<p>SICP = 50KPa Equalized and Start in hole with BHA @ 20m/min, function tested Mud Motor at 100m and seems to be working good. Continue in hole at a rate of 20m/min. Pull testing every 500m in hole. Tagged first plug @ 2081.4mMD, 3.45m correction. @ 5:47hrs. Drilled with 1/2 daN weight @ 420 L/min, plug drilled out in 18mins. Pumped 1m³ gel slug, 2m³ fresh water spacer, 1m³ gel slug. Continue RIH to next plug, start drilling when gel plug was around heal.</p>

FLUID SUMMARY

Fluid	To lease (m ³)	From lease (m ³)	To well (m ³)	From well (m ³)	Left to recover (m ³)
FRESH WATER	0.00	81.00	523.30	0.00	6,524.97

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
g Camp	***VENDOR NOT LISTED***	E500	500.00
Trucking/Hauling/ Hot Shot Services	***VENDOR NOT LISTED***	P100	1,000.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	532.44
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	15,000.00
Completion Fluids & Other Chem	CANOL OILFIELD SERVICES INC	G300	12,740.00
Maintain Road & Location	CANOL OILFIELD SERVICES INC	D230	2,050.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 25
Report Date: 2/18/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/18/2014 06:00	Report End Date 2/19/2014 06:00	Daily Cost Total (Cost) 980,593.02	Cumulative Cost (Cost) 17,249,108.18	Personnel Regular Hours (hr) 1,092.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short

Rig
Weatherford, FS 463

Tubing Pressure (kPa)	Casing Pressure (kPa) 782	Weather Overcast	Temperature (°C) -32	Lease Condition Ice Pad
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Last 24hr Summary

Drilled out all Bridge Plugs.

RIH & Tagged top of BP #1 @ 2084.5mKB (2081.4mKB CT depth) with a pump rate of 0.42m³/min at 23.4MPa with 936 kPa full returns to P-tank.
RIH & Tagged top of BP #2 @ 2179.85mKB (2174.9mKB CT depth) with a pump rate of 0.42m³/min at 21.8MPa with 1217 kPa full returns to P-tank.
RIH & Tagged top of BP #3 @ 2275.85mKB (2273.2mKB CT depth) with a pump rate of 0.40m³/min at MPa with 20.2 kPa, returns 375 lpm to P-tank.
RIH & Tagged top of BP #4 @ 2370.85mKB (2364.4mKB CT depth) with a pump rate of 0.40m³/min at 25MPa with 245 kPa 400 lpm returns to P-tank.
RIH & Tagged top of BP #5 @ 2275.85mKB (2421.5mKB CT depth) with a pump rate of 0.42m³/min at MPa with 235 kPa full returns to P-tank.
RIH & Tagged top of BP #6 @ 2484.85mKB (2478.0mKB CT depth) with a pump rate of 0.42m³/min at 26.8MPa with 159 kPa 380 lpm returns to P-tank.
RIH & Tagged top of BP #7 @ 2580.85mKB (2573.3mKB CT depth) with a pump rate of 0.42m³/min at 20.8MPa with 102 kPa 350 lpm returns to P-tank.
RIH & Tagged top of BP #8 @ 2666.85mKB (2667.2mKB CT depth) with a pump rate of 0.422m³/min at 29.3MPa with 158 kPa 375 lpm returns to P-tank.
RIH & Tagged top of BP #9 @ 2771.85 mKB (2762.9mKB CT Depth) with a pump rate of 0.422m³/min at 28.9MPa with 338 kPa 380 lpm returns to P-tank.
RIH and tagged PB @ 2877 mKB (2872mKB CT Depth), Pulled back off PB 10meters and launched a 1.0m³ gel slug, 2.0m³ spacer and another 1.0m³ gel slug.
Start pulling a sweep back up to 1650mKB (30° dev).

24hr Forecast

Finsihing with Coil Tubing, RIH with 98mm gauge ring and junk basket, RIH and set packer.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	Continued to run in hole coil tubing with mud motor milling BHA on bottom. WSS Shift change
06:30	07:00	0.50	P	Held a daily safety and operations meeting with all day shift services. Reviewed and discussed CPC PJHA #021814 regarding CT operations and all associated hazards. Discussed ERP plan and emergency procedures. Performed cross shift with night crews.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 25
Report Date: 2/18/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T. X	Operation
07:00	11:00	4.00	P	<p>Tagged top of bridge plug #1 at 2084.5mKB (2081.4mKB CT depth) with a pump rate of 0.42m³/min at 23.4MPa with 936 kPa full returns to P-tank. Set down 1,858daN and drilled through bridge plug in 19 minutes. Launched a 1.0m³ gel slug, 2.0m³ spacer and another 1.0m³ gel slug once through plug. Continued in hole to Plug #2.</p> <p>Tagged top of bridge plug #2 at 2179.85mKB (2174.9mKB CT depth) with a pump rate of 0.42m³/min at 21.8MPa with 1217 kPa full returns to P-tank. Set down 1,240daN and drilled through bridge plug in 45 minutes. Launched a 1.0m³ gel slug, 2.0m³ spacer and another 1.0m³ gel slug once through plug. Waited for gel to come out the end of the tubing and pulled a sweep back up to 1650mKB (30° dev).</p> <p>Tagged top of bridge plug #3 at 2275.85mKB (2273.2mKB CT depth) with a pump rate of 0.40m³/min at MPa with 20.2 kPa, returns 375 lpm to P-tank. Set down 1,325daN and drilled through bridge plug in 38 minutes. Launched a 1.0m³ gel slug, 2.0m³ spacer and another 1.0m³ gel slug once through plug. Continued in hole to Plug #4.</p> <p>Tagged top of bridge plug #4 at 2370.85mKB (2364.4mKB CT depth) with a pump rate of 0.40m³/min at 25MPa with 245 kPa 400 lpm returns to P-tank. Set down 542daN and drilled through bridge plug in 57 minutes. Launched a 1.0m³ gel slug, 2.0m³ spacer and another 1.0m³ gel slug once through plug. Waited for gel to come out the end of the tubing and pulled a sweep back up to 1650mKB (30° dev).</p> <p>Continued to rig out all suction hoses and fluid management equipment in clean tank farms. Laid over and hauled out 12 400bbl tanks and 11 mats to rack site by P-20 location. Rigged out remaining frac equipment and continued to clean up sand and frac area</p>
11:00	18:30	7.50	P	<p>Tagged top of bridge plug #5 at 2275.85mKB (2421.5mKB CT depth) with a pump rate of 0.42m³/min at MPa with 235 kPa full returns to P-tank. Set down 703daN and drilled through bridge plug in 38 minutes. Launched a 1.0m³ gel slug, 2.0m³ spacer and another 1.0m³ gel slug once through plug</p> <p>Tagged top of bridge plug #6 at 2484.85mKB (2478.0mKB CT depth) with a pump rate of 0.42m³/min at 26.8MPa with 159 kPa 380 lpm returns to P-tank. Set down 203daN and drilled through bridge plug in 57 minutes. Launched a 1.0m³ gel slug, 2.0m³ spacer and another 1.0m³ gel slug once through plug. Waited for gel to come out the end of the tubing and pulled a sweep back up to 1650mKB (30° dev).</p>
18:30	22:30	4.00	P	<p>Tagged top of bridge plug #7 at 2580.85.mKB (2573.3mKB CT depth) with a pump rate of 0.42m³/min at 20.8MPa with 102 kPa 350 lpm returns to P-tank. Set down 241daN, drilled for 120 mins working CT several times, Re-Tagged @ 7m/min, drilled through bridge plug in 126 minutes. Launched a 1.0m³ gel slug, 2.0m³ spacer and another 1.0m³ gel slug once through plug. RIH and tagged next plug @ 2666.85mKB (2667.2mKB CT Depth), waited for gel to come out the end of the tubing and started drilling plug.</p> <p>Tagged top of bridge plug #8 at 2666.85mKB (2667.2mKB CT depth) with a pump rate of 0.422m³/min at 29.3MPa with 158 kPa 375 lpm returns to P-tank. Set down 285daN, drilled plug out in 112 mins working CT several times, Re-Tagging each time @ 7m/min. Launched a 1.0m³ gel slug, 2.0m³ spacer and another 1.0m³ gel slug once through plug. RIH and tagged next plug @ 2771.85 mKB (2762.9mKB CT Depth), Waited for gel to come out the end of the tubing and pulled a sweep back up to 1650mKB (30° dev).</p>
22:30	03:30	5.00	P	<p>RIH and Tagged plug #9 @ 2771.85 mKB (2762.9mKB CT Depth) with a pump rate of 0.422m³/min at 28.9MPa with 338 kPa 380 lpm returns to P-tank. Set down 482daN, drilled plug out in mins working CT several times, Re-Tagging each time @ 7m/min. Launched a 1.0m³ gel slug, 2.0m³ spacer and another 1.0m³ gel slug once through plug. RIH and tagged PB @ 2877 mKB (2872mKB CT Depth), Pulled back off PB 10meters and launched a 1.0m³ gel slug, 2.0m³ spacer and another 1.0m³ gel slug. Start pulling a sweep back up to 1650mKB (30° dev).</p> <p>Note: Trace of sand in samples Switched over to fresh clean water for final circulations, and gel sweeps.</p>

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	0.00	0.00	0.00	6,524.97

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	532.44
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	15,000.00
Service Rig	CONOCO	E120	37,000.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,400.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	195.00
Slickline Services	CORNERSTONE OILFIELD SERVICES LTD	U200	3,270.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	2,000.00
Surface Completion Equipment Rental	HORIZON OILFIELD SOLUTIONS INC	Q300	3,446.15
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	5,190.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 26
Report Date: 2/19/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45	API / UWI 300E7665-10126-45	License No. EL 470			
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/19/2014 06:00	Report End Date 2/20/2014 06:00	Daily Cost Total (Cost) 200,972.47	Cumulative Cost (Cost) 17,450,080.65	Personnel Regular Hours (hr) 1,092.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short

Tubing Pressure (kPa) 0	Casing Pressure (kPa) 0	Weather Overcast	Temperature (°C) -30	Lease Condition Ice Pad
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Last 24hr Summary

Pulled out of hole with Coil tubing. Broke down tools and blew out coil with N2.

Removed Coil TBG injector, installed E-Line BOPs, pressure tested BOPs and ring groove to 1.4MPa and 57MPa for 10mins each, all tests good.

CP = 0KPa @2300hrs, well dead.

RIH with E-Line junk basket(3.0m) and 96.5mm gauge ring to point of refusal @ 1833mKB @ 73 deg incl.

RIH w/ BHA

1-60.3mm x 0.13m PPMP Pump out plug dressed c/w 6 shear pin @ 3613KPa each & 2 shear screws @ 1427KPa each for a total of 24.4MPa differential to shear out.

1-60.3mm x 0.65m J-55 6.99kg/m EUE Pup Joint

1-47.63mm x 0.32m XN No-Go Profile Nipple, 45.49mm No-Go

1-60.3mm x 2.49m J-55 6.99kg/m Pup Joint

1-WDH114 WL x 1.38m Packer

1- 89.0mm x 1.48m 'NFT' On/Off Tool Extended Slick Jt. C/W 47.63mm X profile (SN#733647).

Correlated on depth @ liner top @ 1477mKB. Pulled log strip 6 collars above 1798.0mKB and correlated in to position checking against Schlumberger Depth Control Log/CCL dated 12-FEB-2014 @3:00. Short joint 1 casing collar above 1798.0m.

SICP = 0KPa, 0400hrs, well still dead.

Set packer @ 1798.0m CE @ 60.4° incl. 1797.42mKB to top of packer. 1796.25mKB to top of slick joint. POOH @45m/min.

Negative test passed.

Rigged out E-line BOPs and equipment. Finished rigging out Coil TBG equipment.

24hr Forecast

Nipple down wellhead connections and install TBG head.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS Shift change Start to pull out of the hole with coil tubing.
06:30	07:00	0.50	P	Held a daily safety and operations meeting with all day shift services. Reviewed and discussed CPC PJHA #021914 regarding CT operations and all associated hazards. Discussed ERP plan and emergency procedures. Performed cross shift with night crews.
07:00	11:00	4.00	P	Continued to pull out of the hole with coil tubing while circulating at 0.4m³/min to P-tank (aprx 0.35m³/min return rate). Launch 1m³ Gel sweep followed with 2m³ fresh water spacer and 1m³ Gel sweep @ 1700m (40 degrees), Wait for Gel to turn corner and circulate out of hole to surface @ 15m/min.

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 26
Report Date: 2/19/2014
Final Job Status: GAS
Final Report? Yes

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T.-X	Operation
11:00	14:30	3.50	P	When coil was getting close to surface they switched from fresh water to 60/40 methanol water. Pumped 7.0m³ of 60/40 through coil and back to P-tank. At this time coil was at 50m and pump was shut down. Coil continued out of the hole and at 25mKB pulled over 6000 daN. Ran in hole and pulled back up to continually tagging at 25mKB with and continued to pull over. Ran in hole to 80mKB. Engaged pump at 0.42m³/min pumping fresh water down CT returning to P-tank. Pulled out of the hole slowly until connector tagged out on stripper. Shut in the 114.3mm master valve and shut down the pump. Pumped 6.5m³ of 60/40 methanol water through CT at 0.12m³/min (motor inside of lubricator) returning to testers. Sucked out lubricator and broke off the well. Broke apart milling BHA and laid down. Mill showed good signs of wear (bottom outside corners of all 5 blades were rounded). Looked down inside of wellhead and there were no visible signs of debris inside stack/wellhead. Note: Lost 18.5m³ water to well today (06:00-14:30) during CT cleanout. Lost a total of 45.29m³ for entire CT cleanout run milling out bridge plugs, flushed CSG with 18m³, total lost to zone 62.8m³
14:30	16:00	1.50	P	Stabbed lubricator back onto the well. Pressure tested N2 line to 35MPa. Purged all fluid out of coil with N2 back to P-tank (total of 2100scm N2 used). Bled down pressure to 0 kPa and broke off lubricator.
16:00	17:00	1.00	P	Rigged down lubricator and landed injector into cradle.
17:00	18:30	1.50	P	Closed Blind Shear rams. SICP: 200 kPa. Opened master valve and engaged pump pumping fresh water. Brought rate up to 1.2m³/min. and flushed wellbore with 18m³ clean water. Final pump rate pressure 5,248KPa. Shut in well, bleed off lines, methanol pump and drain up lines. WSS Shife Change. Held PJHA with all night shift personal on tonights operations and procedures to be followed.
18:30	00:00	5.50	P	Removed Coil TBG injector from well, and racked back. Removed CT BOPs and racked back on stump. Picked up and installed E-Line BOPs, pressure tested BOPs and ring groove to 1.4MPa and 57MPa for 10mins each, all tests good. SICP = 0KPa, @2400hrs, well dead. RIH with E-Line junk basket(3.0m) and 96.61mm gauge ring to point of refusal @ 1833mKB @ 73 deg incl. POOH Checked junk basket is clean, installed BHA tool string as follows: 1-60.3mm x 0.13m PPMP Pump out plug dressed c/w 6 shear pin @ 3613KPa each & 2 shear screws @ 1427KPa each for a total of 24.5MPa differential to shear out. 1-60.3mm x 0.65m J-55 6.99kg/m EUE Pup Joint 1-47.63mm x 0.32m XN No-Go Profile Nipple, 45.49mm No-Go 1-60.3mm x 2.49m J-55 6.99kg/m Pup Joint 1-WDH114 WL x 1.38m Wireline set Retrivable Double Grip Packer, 69MPa rated, 80-70-80 Durometer Nitrile Elastomers 1- 89.0mm x 1.17m Slick Jt. C/W 47.63mm X profile (SN#733647).
00:00	06:00	6.00	P	RIH with BHA, correlated on depth to liner top @ 1477mKB. Continue RIH. Pulled log strip 6 collars above 1798.0mKB and correlated in to position checking against Schlumberger Depth Control Log/CCL dated 12-FEB-2014 @3:00. Short joint 1 casing collar above 1798.0m. SICP = 0KPa, 0400hrs, well still dead. Set packer @ 1798.0m CE @ 60.4° incl. 1797.42mKB to top of packer. 1796.25mKB to top of " NFT" ON/OFF tool extended slick joint. POOH @45m/min. Negative test passed. Rigged out E-line BOPs and equipment. Finished rigging out Coil TBG equipment. When E-Line was out of hole, wellhead and lubricator was dry, no fluid.

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER			63.29	0.00	6,588.26

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	532.44
Maintain Road & Location	CANOL OILFIELD SERVICES INC	D230	2,050.00
Service Rig	CONOCO	E120	15,000.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,400.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	195.00
Uckline Services	CORNERSTONE OILFIELD SERVICES LTD	U200	3,270.00
Safety Equipment & Services	FRONTIERMEDEX CANADA LTD/ EXLOGS SAHTU LTD	T430	2,000.00
Surface Completion Equipment Rental	HORIZON OILFILED SOLUTIONS INC	Q300	3,446.15
Service Rig	HRN CONTRACTING LTD	E120	3,350.00
Fracture Stimulation Services	ISOLATION EQUIPMENT SERVICES INC	N110	5,190.00
Wellsite Supervision & Engineering	M HAHN CONSULTING INC	T130	1,670.00
Surface Completion Equipment Rental	MACKAY RANGE DEVELOPMENT CORP	Q300	374.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 27
Report Date: 2/20/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/20/2014 06:00	Report End Date 2/21/2014 06:00	Daily Cost Total (Cost) 338,052.87	Cumulative Cost (Cost) 17,788,133.52	Personnel Regular Hours (hr) 1,092.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short

Rig
Weatherford, FS 463

Tubing Pressure (kPa) 0	Casing Pressure (kPa)	Weather Slight Overcast	Temperature (°C) -35	Lease Condition Ice Pad
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Last 24hr Summary

Finished rig out of wireline equipment. Rigged off 69MPa flow line. Rigged out work platform and nipped down IES frac wellhead. Continued to ready Weatherford down hole real time gauges. Hauled all water management equipment off of lake to water well rack site. Rebuilt IES frac wellhead. Heated slop tanks for water to be shipped out, moved around some equipment with crane for easier loading.

Note: Performed 10min bubble test on SCV with No Flow detected, test passed.

24hr Forecast

Haul 400bbl tanks off location to P-20. Haul fluid to P-20.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P.T. X	Operation
06:00	06:30	0.50	P	WSS shift change.
06:30	07:00	0.50	P	Held a daily safety and operations meeting with all day shift personnel. Reviewed and discussed PJHA #0219214 regarding job scope and all associated hazards. Reviewed ERP plan and emergency procedures. Performed cross shift with night crews.
07:00	10:30	3.50	P	Unbolted and removed wire line BOPs. Sucked out Weatherford 69MPa flow line + manifold. Picker was utilized to rack all remaining CT equipment and wireline equipment on the ground. Removed tarp from around work platform. Removed flow line and 69MPa ESD.
10:30	13:30	3.00	P	Rigged out HD work platform. Nipped down IES frac wellhead. Hauled all Water managment equipment from lake (WS-02) to water well. Continued to ready Weatherford real time downhole gauges and equipment.
13:30	16:30	3.00	P	Installed 2 way BPV valve into the tubing hanger c/w 60.3mm pup joint. Checked pressure: SICP: 0 kPa. Opened 179mm master valve. Landed the tubing hanger and did in 4 lag screws. Unbolted and removed 179mm full bore master valve. Installed BX156 69MPa x BX152 69MPa tubing head adapter. Installed dual master 69MPa wellhead top section. Torqued connections.
16:30	18:30	2.00	P	Picker was utilized to start changing valves on IES frac wellhead. Tarped in wellhead c/w steam heater. Rigged out containment walls on clean tank farm. Hauled clean water from frac tank farm to P-20 tank farm. Used vac truck to suck out tank bottoms on dirty tank farm.
18:30	19:00	0.50	P	WSS shift change.
19:00	06:00	11.00	P	Continued breaking apart frac head and replacing used valves with new valves. Hauled 110m³ of fresh water to lease P-20 for re-use, evaporators running all night. Heated Slop tanks to 50°C for transport to disposal in AM. Performed a 10min bubble test on SCV with NO FLOW detected, test passed. Continued to move equipment around lease with Crane to be loaded in the AM easier. Heated wellhead with steam heater and general house keeping and clean up on lease with testers.

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	165.00			6,588.26

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 28
Report Date: 2/21/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
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Objective

Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program

Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved	Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall
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A/E COST SUMMARY

A/E / RFE / Maint.# 10351695	Total A/E Amount (Cost) 2,111,000.00	Total A/E + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	A/E-Field Estimate (Cost) -207,381.14
A/E / RFE / Maint.# 10359413	Total A/E Amount (Cost) 16,997,500.00	Total A/E + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	A/E-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/21/2014 06:00	Report End Date 2/22/2014 06:00	Daily Cost Total (Cost) 160,495.59	Cumulative Cost (Cost) 17,948,629.11	Personnel Regular Hours (hr) 572.00
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Daily Contacts

Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Richard Young, 780-831-9153; WS Supervisor, Michael Short

Tubing Pressure (kPa) 0	Casing Pressure (kPa)	Weather Clear	Temperature (°C) -38	Lease Condition Ice Pad
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Last 24hr Summary

Continued to haul clean fresh water out of frac tank farm to P-20 location. Used picker to remove 400bbls from tank farm. Laid over and hauled out 400s. Started to remove geo and liner from tank farm. Organized equipment on location and moved off unnecessary equipment. Continued to ready Weatherford down hole real time gauges. Rigged out all test lines to flare stack and laid over flare stacks ready to move in mats tomorrow. Heated Frac tanks and hauled 82.5m³ to P-20 of fresh water, watched evaporators and moved some equipment with crane on lease for easier loading in AM.

24hr Forecast

Heat tanks, haul out equipment and water to P-20.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS shift change.
06:30	07:00	0.50	P	Held a daily safety and operations meeting with all day shift personnel. Reviewed and discussed CPC PJHA regarding job scope and all associated hazards. All tickets were checked and valid. Performed cross shift with night crews.
07:00	18:00	11.00	P	Continued to haul clean fresh water from frac tank farm to P-20 location. Hoisted 400bbl tanks out of tank farm with crane. Moved evaporators and filled with water. Continued to evaporate water. Hauled IES equipment to KM 28 water well rack site. RCS started to pull up Geo and liner in frac tank farm (very time consuming as all geo and liner was frozen with 1" thick ice - geo was frozen down to matting from C-ring release). Continued with general clean up around location. Met with Opsco slickline hands and discussed future operations. Loader hauled wellhead parts to P-20 location (2 trips - tubing head / tubing head adapter / Tubing hanger / 179mm master valve) Weatherford tech hands continued to ready down hole gauge equipment. Connected one cable head stainless steel line. Pressure tested head and pressure test failed. Rebuilt head and re-pressure tested: low 3500 kPa / high 10000 kPa. Good tests. Rigged out all test lines to flare stacks. Laid over stacks and moved out of the way ready for moving in mats in the AM.
18:00	18:30	0.50	P	WSS shift change.
18:30	06:00	11.50	P	SIPC = 0KPa Moved around equipment with Crane for easier loading tomorrow. Heated tanks for fluid to be shipped out and watched evaporators. Hauled out 82.5m³ to P-20 location.

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	274.95			6,588.26

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Surface Completion Equipment Rental	***VENDOR NOT LISTED***	Q300	7,510.00
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	532.44
Trucking/Hauling/ Hot Shot Services	CANOL OILFIELD SERVICES INC	P100	15,000.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 29
Report Date: 2/22/2014
Final Job Status: GAS
Final Report? Yes

WELL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45	API / UWI 300E7665-10126-45			License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00 PBDT (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved Responsible Grp 2 lagartn Responsible Grp 3 Chris Kendall

AFE COST SUMMARY

AFE / RFE / Maint.# 10351695	Total AFE Amount (Cost) 2,111,000.00	Total AFE + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	AFE-Field Estimate (Cost) -207,381.14
AFE / RFE / Maint.# 10359413	Total AFE Amount (Cost) 16,997,500.00	Total AFE + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	AFE-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/22/2014 06:00	Report End Date 2/23/2014 06:00	Daily Cost Total (Cost) 50,858.58	Cumulative Cost (Cost) 17,999,487.69	Personnel Regular Hours (hr) 548.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Michael Short, 403 348-7127; WS Supervisor, Chris Tucker,				Rig Weatherford, FS 463
Tubing Pressure (kPa) 0	Casing Pressure (kPa) 0	Weather Clear	Temperature (°C) -38	Lease Condition Ice Pad

Last 24hr Summary

Finished hauling fresh water off location to P-20. Hauled out remaining clean 400bbl tanks. Stacked 25 8 x 40 mats and hauled away 15 to P-20. Set down 35 swamp mats around under flare stacks. Re-spotted flare stacks. Continued to ready Weatherford down hole gauge equipment. Moved and flare stacks back on mats and rigged in to P-Tank. Evaporators going over night.
SICP = 0KPa @ 2400hrs & @ 0600hrs

24hr Forecast

Keep evaporators full, move equipment around and off lease.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WWS shift change.
06:30	07:00	0.50	P	Held a daily safety and operations meeting with all day shift personnel. Reviewed and discussed CPC PJHA regarding daily job scope and all associated hazards. All tickets checked and valid. Performed cross shift with night crews.
07:00	18:30	11.50	P	Hauled out 15 8 x 40 mats to P-20 Hauled out all remaining fresh water from frac tank farm to P-20. Laid over and hauled out 6 remaining clean 400bbl tanks to P-20. Removed remaining geo and liner from on top of matting. Geo had 1" thick ice on it and was very difficult to remove. Scraped up all ice and put it in the incinerator. Cut up all geo and liner into 1m². Went to install Weatherford 3/16" gauge cable reel onto spooling trailer and the spool was too large to fit onto trailer. Dispatched a welder and modified spool trailer to fit the cable spool. Lifted and stacked remaining 10 8 x 40 mats ready to be hauled out in AM. Hauled in swamp mats from water well rack site. Spotted 35 swamp mats around for under flare stacks. Spotted flare stacks and stood them.
18:30	19:00	0.50	P	WWS shift change.
19:00	06:00	11.00	P	SICP = 0KPa @ 2400hrs & 0600hrs Spotted and rigged in testers flare stacks on swamp mats. Watched evaporators overnight and general house keeping.

FLUID SUMMARY

Fluid	To lease (m³)	From lease (m³)	To well (m³)	From well (m³)	Left to recover (m³)
FRESH WATER	0.00	113.00			6,588.26

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	532.43
Service Rig	CONOCO	E120	2,500.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,700.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	2,200.00
Service Rig	CORNERSTONE OILFIELD SERVICES LTD	E120	1,400.00
Surface Completion Equipment Rental	CORNERSTONE OILFIELD SERVICES LTD	Q300	195.00
Slickline Services	CORNERSTONE OILFIELD SERVICES LTD	U200	2,200.00

Daily Morning Report

COPRC DODO CANYON E-76 65-10 126-45

Report #: 30
Report Date: 2/23/2014
Final Job Status: GAS
Final Report? Yes

ALL HEADER INFORMATION

Country CANADA	State/Province N.W.T.	Region / Division WCBU	District NEW VENTURES	Field Name Canyon	Field Code
Surface Legal Location E-76 65-10 126-45		API / UWI 300E7665-10126-45		License No. EL 470	
Orig KB/RT (m) 273.40	Ground Elevation (m) 268.20	KB-Grd (m) 5.20	KB-CF (m) 5.40	KB-TF (m) 4.22	Total Depth (mKB) 2,910.00
					PBTD (All) (mKB) Original Hole - 2,877.30

JOB INFORMATION

Job Category COMPLETIONS	Primary Job Type INITIAL COMPLETION	Secondary Job Type RIGLESS	Total Field Estimate (Cost) 21,945,332.75
Objective Hydraulically fracture and flow test as part of the 2014 Canol Exploration Program			
Actual Start Date 1/25/2014 00:00	End Date 3/28/2014 08:00	Abandon Date	Responsible Grp 1 coved
		Responsible Grp 2 lagartn	Responsible Grp 3 Chris Kendall

A/E COST SUMMARY

A/E / RFE / Maint.# 10351695	Total A/E Amount (Cost) 2,111,000.00	Total A/E + Supp Amount (Cost) 2,111,000.00	Total Field Estimate (Cost) 2,318,381.14	A/E-Field Estimate (Cost) -207,381.14
A/E / RFE / Maint.# 10359413	Total A/E Amount (Cost) 16,997,500.00	Total A/E + Supp Amount (Cost) 20,641,514.00	Total Field Estimate (Cost) 19,626,951.61	A/E-Field Estimate (Cost) 1,014,562.39

DAILY INFORMATION

Report Start Date 2/23/2014 06:00	Report End Date 2/24/2014 06:00	Daily Cost Total (Cost) 48,583.58	Cumulative Cost (Cost) 18,048,071.27	Personnel Regular Hours (hr) 548.00
Daily Contacts Completion Engineer, Theorn LaGarde, 403-710-9753; WS Superintendent, Derrick Cove, 780-831-1314; WS Supervisor, Chris Kendall, 780-518-3284; WS Supervisor, Myles Hahn, 780-402-0500; WS Supervisor, Michael Short, 403 348-7127; WS Supervisor, Chris Tucker,				Rig Weatherford, FS 463
Tubing Pressure (kPa)	Casing Pressure (kPa) 0	Weather Clear	Temperature (°C) -32	Lease Condition Ice Pad

Last 24hr Summary

Finished clean up frac tank farm. Spotted Jet pump and NOV 250KW gen set. Hauled matting and mixed loads to P-20 location. Continued to ready Weatherford down hole gauges (installed gauges onto cable and tested). Re-spotted line heater and manifold shack. Installed 5K flow manifold into shack. Spotted Gen-Set with dry heater, picked up wellhead parts, planks and any garbage around lease. Heat water for disposal and evaporators running. SICP = 0KPa @ 2400hrs

24hr Forecast

Run evaporators, heat fluid for disposal, continue with real time down hole gauge assembly and pressure tests, wait on Service rig.

DAILY TIME LOG

Start Time	End Time	Dur (hr)	Time P-T-X	Operation
06:00	06:30	0.50	P	WSS shift change
06:30	07:00	0.50	P	Held a daily safety and operations meeting with all day shift personnel. Reviewed and discussed CPC PJHA regarding job scope and all associated hazards. All tickets checked and valid. Performed cross shift with night crews.
07:00	18:30	11.50	P	Hauled out 10 remaining mats from frac tank farm to P-20 location. Cleaned up remaining geo that was frozen into the ground from frac tank farm. Removed all geo and liner from garbage bin that was not cut up into 1m squares (from under C-ring). Cut up into 1m squares and stacked in corner of location ready to haul away. Winterized Super single well site shacks. Off loaded and spotted Weatherford jet pump. Hauled in and spotted NOV 250 KW generator beside the jet pump (jet pump only came with 25' power cord - field hand has extensions coming up on the chartered flight tomorrow) Set up tarps and dry heat machine for Weatherford gauge techs so that the have a warm place to work. Hands installed gauges onto cable ends and pressure tested connections. Hauled out a mixed load of tank farm containment equipment (walls, stairs, drip trays etc.) to P-20. Hauled out rigless anchors to P-20. Rigged lines into line heater and manifold shack. Built 35MPa test manifold.
18:30	19:00	0.50	P	WSS shift change, held safety meeting with all personal on location about tonights operations and procedures to be followed.
19:00	06:00	11.00	P	SICP = 0KPa @ 2400 hrs Rigged out super single for transport. Moved dry heating machine to heat up inside of NOV Gen-Set for easy start-up in AM. Stacked up all planks on far side of lease, moved sawdust bags, Cleaned out wooden bin and loaded wellhead parts that arent needed anymore to be sent back. General house keeping on lease and picking up ant garbage thats lying around. Kept evaporators running overnight and heated tank farm fluids to 50°C to be shipped out.

JID 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	6,588.26

DAILY COST

BU Desc	Vendor	Activity Code	Amount (Cost)
Rig Camp	***VENDOR NOT LISTED***	E500	500.00
Surface Completion Equipment Rental	BOREALIS COMMUNICATIONS INC	Q300	532.43