

COPRC Dodo Canyon E-76

VII. Daily Activity and Cost Summary Report

Daily Activity and Cost Summary

CANYON E-76 65-10 126-45

UWI E7665-10126-45	Surface Legal Location E-76 65-10 126-45	District NEW VENTURES	Field Name Canyon	License No. EL 470
Program ILX	Well Type Appraisal	Well Configuration Type HORIZONTAL	Original KB/RT Elevation (m) 273.40	KB-Ground Distance (m) 5.20
Job Category DRILLING	Primary Job Type DRILLING ORIGINAL	Secondary Job Type		
Actual Start Date 12/9/2013	End Date 1/23/2014	AFE / RFE / Maint.# 10351817	Total Job AFE Amount (Cost) 6,820,300.00	

Summary

Contractor Beaver Drilling Ltd.				Rig Name/No 2		Rig Type DRILLING-DOUBLE	
Report No.	Start Date	End Date	Start Depth (mKB)	End Depth (mKB)	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum
1	12/9/2013	12/10/2013	0.00	0.00	61,279.66	61,279.66	No incidents or accidents. Fly Beaver #2 rig personnel, service hands and Conoco reps to Norman Wells from Calgary and Edmonton using Canadian North chartered flight. Set everyone up with accommodations at the construction camp (on the rack site) and the 2 Hodgsons camp in Norman Wells. Round up transportation for all services, rig hands and Conoco reps. Held safety orientation meetings in Conoco's office in Norman Wells with all services prior to them commencing work with ConocoPhillips. Could not cross river until Tuesday morning due to warm weather and construction working on ice bridge. Wait until morning to hold safety meeting prior to crossing river, warming up equipment, remove snow from all trucks and equipment, set up ratholes and drill conductor.
2	12/10/2013	12/11/2013	0.00	0.00	53,459.03	114,738.69	No incidents or accidents. 1 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting with OK Drilling, Canol, rig hands, medics and Conoco reps. Cross river, construction working on ice bridge and iceroads to location, warm up equipment, remove snow from all trucks and equipment, set up ratholes and drill 20" x 20m conductor. Shut down, wait until morning to finish drilling and cementing the 20" x 20m conductor, drilling mousehole and rathole and then setting up wellsite shacks with generators on E-76 65-10 126-45 location.
3	12/11/2013	12/12/2013	0.00	0.00	101,530.46	216,269.15	No incidents or accidents. 2 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting prior to crossing river, drilling conductor and moving wellsite shacks to location. Construction working on ice bridge and iceroads to location. Finish drilling the 20" x 20m conductor, drill and set 6' x 3' crib, mousehole and rathole and then move and set up wellsite shacks with generator on E-76 65-10 126-45 location. Hold safety meeting with Schlumberger cementers, Ok Rathole, Conoco rep, vac and water truck hands. Pump 10tonne/7.5m3 of Class "G" Arctic blend cement followed by 3.5m3 of fresh water leaving 2m of cement in the conductor to drill out prior to spud. Wait until morning to move Beaver #2 rig.
4	12/12/2013	12/13/2013	0.00	0.00	58,109.03	274,378.18	No incidents or accidents. 3 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting with OK Drilling, Beaver hands, Canol Trucking and Conoco reps. Drill mousehole and rathole, lay down environmental liner, move and spot Beaver #2 rig matting and some rental equipment to E-76 65-10 126-45 location. Load substructure to be hauled out and spotted first thing in the morning. Wait until daylight to continue moving rig and rental equipment.
5	12/13/2013	12/14/2013	0.00	0.00	177,910.46	452,288.64	2 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting with Beaver hands, Canol Trucking and Conoco reps. Move and attempt to spot Beaver #2 substructure when the cable wedge (pressed on bell) on main winch line on the big Canol bed truck broke dropping the substructure 2 feet from the ground at 11:00am on Friday, December 13th. Shut down rig moving and construction operations until tomorrow morning. Wait until morning to move and spot rig and rental equipment.
6	12/14/2013	12/15/2013	0.00	0.00	58,109.03	510,397.67	No incidents or accidents. 2 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting with Beaver hands, Canol Trucking and Conoco reps. Move and spot Beaver #2 substructure and drawworks. Split and move derrick, move rig buildings and some rental equipment to E-76 65-10 126-45 location from rack site. Wait until morning to spot rig and rental equipment.

Daily Activity and Cost Summary

CANYON E-76 65-10 126-45

UWI E7665-10126-45			Surface Legal Location E-76 65-10 126-45		District NEW VENTURES		Field Name Canyon	License No. EL 470
Program ILX			Well Type Appraisal		Well Configuration Type HORIZONTAL		Original KB/RT Elevation (m) 273.40	KB-Ground Distance (m) 5.20
Report No.	Start Date	End Date	Start Depth (mKB)	End Depth (mKB)	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum	
7	12/15/2013	12/16/2013	0.00	0.00	58,109.03	568,506.70	No incidents or accidents. 5 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting with Beaver hands, Canol Trucking and Conoco reps. Move and pin derrick together, install monkey board, spot mud tanks, raise a-legs, move miscellaneous rental loads onto E-76 65-10 126-45 location. Wait until morning to finish spotting rig and rental equipment.	
8	12/16/2013	12/17/2013	0.00	0.00	343,763.53	912,270.23	No incidents or accidents. 3 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting with Beaver hands, Canol Trucking and Conoco reps. Finish spotting rig and rental equipment on E-76 65-10 126-45 location. Wait until morning to warm up rig buildings to hook up power cords, rig up boiler and water lines.	
9	12/17/2013	12/18/2013	0.00	0.00	45,806.53	958,076.76	No incidents or accidents. 2 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting, warm up rig buildings, plug in power cords, rig up boiler lines and circulate steam around the rig. Wait until morning to rig up derrick to raise, raise derrick and rig up pre-fabs.	
10	12/18/2013	12/19/2013	0.00	0.00	40,181.53	998,258.29	No incidents or accidents. 2 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting, rig up derrick to raise, raise derrick and rig up pre-fabs. Wait until morning to rig up water lines and rental equipment.	
11	12/19/2013	12/20/2013	0.00	0.00	40,181.53	1,038,439.82	No incidents or accidents. 2 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting, rig up water lines and rental equipment. Wait until morning to rig up rig floor and fill the mud tanks.	
12	12/20/2013	12/21/2013	0.00	0.00	40,181.53	1,078,621.35	No incidents or accidents. 2 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting, rig up rig floor and work on mud pumps. Wait until morning to fill the mud tanks, set up, load pipe racks with surface BHA and start to rig up diverter lines to flare tank.	
13	12/21/2013	12/22/2013	0.00	0.00	40,181.53	1,118,802.88	No incidents or accidents. 2 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting, fill the mud tanks, set up, load pipe racks with surface BHA and start to rig up diverter lines to flare tank. Wait until morning to prep cellar for rotating head and rig up diverter lines to flare tank.	
14	12/22/2013	12/23/2013	0.00	0.00	40,181.53	1,158,984.41	No incidents or accidents. 2 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting, prep cellar for rotating head and rig up diverter lines to flare tank. Wait until morning to install weight indicator, prep cellar for rotating head, weld on 20" adapter flange to the 20" conductor, install and hammer on spool.	
15	12/23/2013	12/24/2013	0.00	0.00	83,003.53	1,241,987.94	No incidents or accidents. 3 - HID, 0 - OBS and 0 - ASA (all closed out). Wait until morning. Hold safety meeting, install weight indicator, prep cellar for rotating head, weld on 20" adapter flange to the 20" conductor, install 20" spool.	
16	12/24/2013	12/25/2013	0.00	0.00	66,343.53	1,308,331.47	No incidents or accidents. 6 - HID, 0 - OBS and 0 - ASA (all closed out). Weld on 20" adaptor flanges onto 20" conductor. Rig up Schlumberger 8068 Rotating Head and install service loop.	
17	12/25/2013	12/26/2013	0.00	0.00	99,893.53	1,408,225.00	No incidents or accidents. 9 - HID, 1 - OBS and 0 - ASA (all closed out). Install service loop, rig up, test and troubleshoot PLC (programmable logic controller) issues with top drive. Rig up BOS III tank and centrifuge combo tank.	
18	12/26/2013	12/27/2013	0.00	0.00	86,003.53	1,494,228.53	No incidents or accidents. 7 - HID, 0 - OBS and 0 - ASA (all closed out). Rig up, test and troubleshoot PLC (programmable logic controller) issues with top drive. Rig up BOS III tank and centrifuge combo tank. Re-adjusted service loop. Rig in and weld diverter valves, lines, 10" flowline line and 8" booeey line. Held high angle rescue meetings with rig crews.	

Daily Activity and Cost Summary

CANYON E-76 65-10 126-45

UWI E7665-10126-45			Surface Legal Location E-76 65-10 126-45		District NEW VENTURES		Field Name Canyon	License No. EL 470
Program ILX			Well Type Appraisal		Well Configuration Type HORIZONTAL		Original KB/RT Elevation (m) 273.40	KB-Ground Distance (m) 5.20
Report No.	Start Date	End Date	Start Depth (mKB)	End Depth (mKB)	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum	
19	12/27/2013	12/28/2013	0.00	0.00	72,600.18	1,566,828.71	No incidents or accidents. 8 - HID, 0 - OBS and 0 - ASA (all closed out) Troubleshoot PLC (programmable logic controller) issues with top drive, install 10" flowline, install anti-collision program to top drive, complete top drive checks and function, pre-mix mud in mud tanks. Conduct pre-spud inspection, fill out pre-spud and rig inspection checklists. Make up surface BHA. Midnight to 6:30hrs: Make up BHA, circulate and check for leaks. Perform 'Hazard Hunt' with rig crew. Spud and drill 311mm surface hole at 6:30hrs on December 28, 2013. Sent pre-spud Beyond Compliance, pre-spud inspection and rig inspection checklists prior to spudding.	
20	12/28/2013	12/29/2013	20.00	146.00	73,141.63	1,639,970.34	No incidents or accidents. 7 - HID, 0 - OBS and 0 - ASA (all closed out) Conduct pre-spud inspection, fill out pre-spud and rig inspection checklists. Make up BHA, circulate and check for leaks, perform 'Hazard Hunt' and pre-spud meetings with rig crews. Spud and drill 311mm surface hole from 0m to 146m with accumulated wireline surveys, rig services, connections and circulation times. Last survey at 146m was 0.1°. Sent pre-spud Beyond Compliance, pre-spud inspection and rig inspection checklists prior to spudding. Spud and drill 311mm surface hole at 6:30hrs on December 28, 2013. From midnight to 6:00am: Drill 311mm surface hole to 155m. Wait on top drive parts to fix PLC issues, pump and work drill string at 155m.	
21	12/29/2013	12/30/2013	146.00	156.00	239,229.53	1,879,199.87	No incidents or accidents. 7 - HID, 1 - OBS and 0 - ASA (all closed out) Drill 311mm surface hole to 155m. Wait on top drive parts to fix PLC issues, pump and work drill string at 155m.	
22	12/30/2013	12/31/2013	156.00	212.00	84,792.19	1,963,992.06	No incidents or accidents. 5 - HID, 0 - OBS and 0 - ASA (all closed out) Wait on top drive parts to fix HPU issues, pump and work drill string at 155m. Fix HPU issues. Drill 311mm surface hole from 155m to 212m with accumulated wireline surveys, rig services, connections and circulation times. Wiper trip at 212m. Last survey at 211m was 0.3°.	
23	12/31/2013	1/1/2014	212.00	396.00	95,875.06	2,059,867.12	No incidents or accidents. 4 - HID, 0 - OBS and 0 - ASA (all closed out) Wiper trip at 212m, wash through tight spots at 183m and 136m. Drill 311mm surface hole from 212m to 396m with accumulated wireline surveys, rig services, connections and circulation times. Wiper trip at 396m. Last survey at 378m was 0.4°.	
24	1/1/2014	1/2/2014	396.00	490.00	75,264.33	2,135,131.45	No incidents or accidents. 7 - HID, 0 - OBS and 0 - ASA (all closed out) Wiper trip at 396m, back ream through tight spots. Drill 311mm surface hole from 396m to 490m with accumulated wireline surveys, rig services, connections and circulation times. Last survey at 508m was 0.7°.	
25	1/2/2014	1/3/2014	490.00	600.00	98,248.78	2,233,380.23	No incidents or accidents. 10 - HID, 0 - OBS and 0 - ASA (all closed out) Drill 311mm surface hole from 490m to 592m with accumulated wireline surveys, rig services, connections and circulation times. Wiper trip at 592m, back ream through tight spots. Last survey at 571m was 0.5°.	
26	1/3/2014	1/4/2014	592.00	603.00	76,202.91	2,309,583.14	No incidents or accidents. 13 - HID, 1 - OBS and 0 - ASA (all closed out) Wiper trip at 592m, ream through tight spots. Drill to 603m (TD), work drill string and circulate hole clean. Pull out of the hole, lay down 6-1/2" and 9" drill collars, rig up power tongs and run 244.5mm surface casing.	
27	1/4/2014	1/5/2014	603.00	603.00	329,910.69	2,639,493.83	No incidents or accidents. 12 - HID, 1 - OBS and 0 - ASA (all closed out) Run 244.5mm surface casing, tag bottom at 603m, circulate and clean the hole. Cement 244.5mm surface casing: full returns, 8.0m3 of good cement returns, plug down at 7:45hrs, pressure test surface casing to 11,500kPA, pressure held ok. Rig out cementers, wait on cement and clean substructure, nipple down diverter, weld on casing bowl, nipple up BOP, clean mud tanks, strip surface mud using the BOS III flocking system, transfer surface mud and clean water to 400bbl tanks to later run water through dehydrator.	

Daily Activity and Cost Summary

CANYON E-76 65-10 126-45

UWI E7665-10126-45			Surface Legal Location E-76 65-10 126-45			District NEW VENTURES		Field Name Canyon		License No. EL 470	
Program ILX			Well Type Appraisal			Well Configuration Type HORIZONTAL		Original KB/RT Elevation (m) 273.40		KB-Ground Distance (m) 5.20	
Report No.	Start Date	End Date	Start Depth (mKB)	End Depth (mKB)	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum				
28	1/5/2014	1/6/2014	603.00	603.00	152,793.03	2,792,286.86	No incidents or accidents. 8 - HID, 4 - OBS and 0 - ASA (all closed out) Nipple up BOP, clean mud tanks, strip surface mud using the BOS III flocking system, transfer surface mud and clean water to 400bbl tanks to later run water through dehydrator. Pressure test manifold and BOP components to 1400kPA-low and 20,000kPA-high (Annular: 17,500kPA-high), perform an accumulator function test. Complete rig and pre-drill out inspection. Fill mud tanks with invert. Pick and make up directional BHA and run in the hole.				
29	1/6/2014	1/7/2014	603.00	761.00	103,134.43	2,895,421.29	No incidents or accidents. 10 - HID, 1 - OBS and 0 - ASA (all closed out) Complete rig and pre-drill out inspection. Fill mud tanks with invert. Pick and make up directional BHA, run in the hole, tag cement, displace to invert mud, conduct BOP drill and high angle rescue safety meetings, drill out cement float and shoe. Drill 222mm intermediate directional hole from 603m to 761m with accumulated MWD surveys, rig services, connections and circulation times.				
30	1/7/2014	1/8/2014	761.00	1,179.00	86,623.83	2,982,045.12	No incidents or accidents. 6 - HID, 4 - OBS and 0 - ASA (all closed out) Drill 222mm intermediate directional hole from 761m to 1179m with accumulated MWD surveys, rig services, connections and circulation times. WOB: 6-8,000kDaN, RPM - 35 (Motor RPM - 112), Differential pressure: 3000-3500kPa, Pump rate: 1.6 m3/min. Torque: 1800 - 2400ft/lbs, Rotate: 414.0m - 99.0% / Slide: 4.0m - 1.0%, ROP: 26.5m/hr.				
31	1/8/2014	1/9/2014	1,179.00	1,508.00	122,564.36	3,104,609.48	No incidents or accidents. 9 - HID, 1 - OBS and 0 - ASA (all closed out) Drill 222mm intermediate directional hole from 1179m to 1508m with accumulated MWD surveys, rig services, connections and circulation times. WOB: 6-8,000kDaN, RPM - 35 (Motor RPM - 112), Differential pressure: 3000-3500kPa, Pump rate: 1.6 m3/min. Torque: 1800 - 2400ft/lbs, Rotate: 282m - 86% / Slide: 47m - 14%, ROP: 15.7m/hr. Last survey at 1531.5mMD, inclination= 9.81°, azimuth= 264.58°, TVD - 1530.7m. We are 0.3m below and 1.42m left the line - 1.2° behind in angle - 12.2m center to center - BURR: 4.5° to the 7° per 30m mark at 1630mMD, KOP: 1466mMD.				
32	1/9/2014	1/10/2014	1,508.00	1,588.00	101,242.18	3,205,851.66	No incidents or accidents. 5 - HID, 0 - OBS and 0 - ASA (all closed out) Drill 222mm intermediate directional hole from 1508m to 1588m with accumulated MWD surveys, rig services, connections and circulation times. WOB: 6-8,000kDaN, RPM - 35 (Motor RPM - 112), Differential pressure: 3000-3500kPa, Pump rate: 1.6 m3/min. Torque: 1800 - 2400ft/lbs, Rotate: 27.5m - 30% / Slide: 63.5m - 70%, ROP: 7.0m/hr. Last survey at 1580mMD, inclination= 15.60°, azimuth= 270.75°, TVD - 1578.02m. We are 3.2m below and 18.63m left the line - 0.7° behind in angle - 30° behind in azimuth - 15.72m center to center - BURR: 5.5° to the 7° per 30m mark at 1630mMD. Pull out of the hole, laydown mud motor, bit and dog sub. Change bit, mud motor and check MWD tool.				
33	1/10/2014	1/11/2014	1,588.00	1,691.00	109,595.18	3,315,446.84	No incidents or accidents. 4 - HID, 0 - OBS and 0 - ASA (all closed out) Make up directional BHA, run in the hole and drill 222mm intermediate directional hole from 1588m to 1691m with accumulated MWD surveys, rig services, connections and circulation times. WOB: 6-14,000kDaN, RPM - 35 (Motor RPM - 112), Differential pressure: 3000-3500kPa, Pump rate: 1.6 m3/min. Torque: 1800 - 2400ft/lbs, Rotate: 15m - 15% / Slide: 82.5m - 85%, ROP: 12.3m/hr. Last survey at 1683.5mMD, inclination= 31.2°, azimuth= 312.66°, TVD - 1673.53m. We are 1.11m below and 20.55m left the line - 4.55° behind in angle - 12.50° behind in azimuth - 22.32m center to center - BURR: 8.4°/30m				

Daily Activity and Cost Summary

CANYON E-76 65-10 126-45

UWI E7665-10126-45	Surface Legal Location E-76 65-10 126-45	District NEW VENTURES	Field Name Canyon	License No. EL 470
Program ILX	Well Type Appraisal	Well Configuration Type HORIZONTAL	Original KB/RT Elevation (m) 273.40	KB-Ground Distance (m) 5.20

Report No.	Start Date	End Date	Start Depth (mKB)	End Depth (mKB)	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum
34	1/11/2014	1/12/2014	1,691.00	1,726.00	88,691.30	3,404,138.14	No incidents or accidents. 13 - HID, 0 - OBS and 0 - ASA (all closed out) Drill 222mm intermediate directional hole from 1691m to 1702m, circulate bottoms up, pull out of the hole, dial up mud motor from 1.83° to 2.12° due to the inability to attain build rates required, check bit, run in the hole and drill 222mm intermediate directional hole from 1702m to 1726m with accumulated MWD surveys, rig services, connections and circulation times. WOB: 6-14,000kDaN, RPM - 35 (Motor RPM - 112), Differential pressure: 3000-3500kPa, Pump rate: 1.6 m3/min. Torque: 1800 - 2400ft/lbs, Rotate: 0.0m - 0.0% / Slide: 24m - 100%, ROP: 4.7m/hr. Last survey at 1731mMD, inclination= 44.19°, azimuth= 306.67°, TVD - 1711.12m. We are 2.73m below and 16.65m left the line - 2.29° behind in angle - 6.67° behind in azimuth - 20.43m center to center - BURR: 8.0°/30m
35	1/12/2014	1/13/2014	1,726.00	1,816.00	111,405.34	3,515,543.48	No incidents or accidents. 11 - HID, 2 - OBS and 0 - ASA (all closed out) Drill 222mm intermediate directional hole from 1726m to 1816m with accumulated MWD surveys, rig services, connections and circulation times. WOB: 6-18,000kDaN, RPM - 35 (Motor RPM - 112), Differential pressure: 500-1200kPa, Pump rate: 1.6 m3/min. Torque: 0ft/lbs, Rotate: 0.0m - 0% / Slide: 90m - 100%, ROP: 4.6m/hr. Last survey at 1807mMD, inclination= 63.1°, azimuth= 308.96°, TVD - 1756.4m. We are 2.91m below and 1.2m left of the 1777mTVD target line - 1.12° behind in angle - 8.9° behind in azimuth - 16.6m center to center - BURR: 9.0° for 1777mTVD target, BURR: 7.86° for 1780mTVD target.
36	1/13/2014	1/14/2014	1,816.00	1,900.00	102,743.95	3,618,287.43	No incidents or accidents. 5 - HID, 1 - OBS and 0 - ASA (all closed out) Drill 222mm intermediate directional hole from 1816m to 1900m with accumulated MWD surveys, rig services, connections and circulation times. WOB: 14-26,000kDaN, RPM - 25 (Motor RPM - 112), Differential pressure: 500-1200kPa, Pump rate: 1.6 m3/min. Torque: 7500-9000ft/lbs, Rotate: 27m - 32% / Slide: 57m - 68%, ROP: 4.1m/hr. Last survey at 1889.5mMD, inclination: 86.61°, azimuth: 302.26°, TVD: 1776.19mTVD. Projection at bit: Intermediate TD- 1908mMD, inclination: 89.46°, azimuth: 302.0°, TVD: 1776.82mTVD.
37	1/14/2014	1/15/2014	1,900.00	1,908.00	189,894.92	3,808,182.35	No incidents or accidents. 13 - HID, 4 - OBS and 0 - ASA (all closed out) Drill 222mm intermediate directional hole from 1900m to 1908m. Projection at bit: Intermediate TD- 1908mMD, inclination: 89.46°, azimuth: 302.0°, TVD: 1776.82mTVD. Circulate, wiper trip to 1466m (KOP), circulate 2 bottoms up and clean hole, trip out of the hole, lay down directional tools, rig up loggers. Run open hole logs with Schlumberger, log 1 run: AIT-PEX-BHC-TLD2-ECRD to 1814m (65°) at 18:15hrs. Pull wear bushing, slip and cut drill line, change out saver sub on top drive.
38	1/15/2014	1/16/2014	1,908.00	1,908.00	339,249.78	4,147,432.13	No incidents or accidents. 8 - HID, 3 - OBS and 0 - ASA (all closed out) Change out saver sub on top drive, rig up power tongs and laydown truck, run 177.8mm intermediate casing, tag bottom at 1908mMD, circulate bottoms up, lay down tag joint, make up and land mandrel hanger and landing joint, circulate, rig up cementers, cement 177.8mm intermediate casing (plug down at 22:01hrs on January 15/14 - Full pre-flush returns: 8m3 of CW8 and 8m3 of MudPushII Spacer, cement at surface by calculated volume results), rig out cementers, lay down landing joint.

Daily Activity and Cost Summary

CANYON E-76 65-10 126-45

UWI E7665-10126-45	Surface Legal Location E-76 65-10 126-45	District NEW VENTURES	Field Name Canyon	License No. EL 470
Program ILX	Well Type Appraisal	Well Configuration Type HORIZONTAL	Original KB/RT Elevation (m) 273.40	KB-Ground Distance (m) 5.20

Report No.	Start Date	End Date	Start Depth (mKB)	End Depth (mKB)	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum
39	1/16/2014	1/17/2014	1,908.00	1,908.00	211,773.53	4,359,205.66	No incidents or accidents. 8 - HID, 2 - OBS and 0 - ASA (all closed out) Lay down landing joint, attempt to set Stream-Flo packoff seal assembly above mandrel hanger, contact Calgary to create a 'Management of Change' prior to lifting BOP, flowcheck, lift BOP, fix Strem-Flo mandrel hanger issue, set Stream-Flo packoff seal assembly and pressure test, make up BHA, pressure test spool to 20,000kPa high and 1,400kPa for 10 minutes each (pressure test from upper spool against pipe rams using Schlumberger), run in the hole, tag cement at 1893mMD, drill out cement, tag float at 1895m, drill out float and shoe. From midnight to 6:00am= Drill 156mm hole from 1908m to 1914m, circulate bottoms up, perform FIT to a gradient of 12.5kPa/m (surface applied pressure: 4430kPa for 10 minutes), drill 156mm lateral hole with accumulated MWD surveys, rig services, connections and circulation times.
40	1/17/2014	1/18/2014	1,908.00	2,124.00	192,768.58	4,551,974.24	No incidents or accidents. 7 - HID, 2 - OBS and 0 - ASA (all closed out) Drill 156mm hole from 1908m to 1914m, circulate bottoms up, perform FIT to a gradient of 12.5kPa/m (surface applied pressure: 4430kPa for 10 minutes), drill 156mm lateral hole from 1914m to 2124m with accumulated MWD surveys, rig services, connections and circulation times. WOB: 6-10,000kDaN, RPM - 35-80 (Motor RPM - 152), Differential pressure: 2200-3000kPa, Pump rate: 1.1 m3/min. Torque: 7-10,000ft/lbs, Rotate: 162.75m - 75% / Slide: 53.25m - 25%, ROP: 16m/hr. Last survey at 2171mMD, inclination= 85.99°, azimuth= 297.06°, TVD - 1784.25m. We are 0.41m below and 3.9m right of the line.
41	1/18/2014	1/19/2014	2,124.00	2,495.00	166,517.34	4,718,491.58	No incidents or accidents. 8 - HID, 2 - OBS and 0 - ASA (all closed out) Drill 156mm lateral hole from 2124m to 2495m with accumulated MWD surveys, rig services, connections and circulation times. WOB: 6-10,000kDaN, RPM - 35-80 (Motor RPM - 152), Differential pressure: 2000-3000kPa, Pump rate: 1.1 m3/min. Torque: 7-10,000ft/lbs, Rotate: 341m - 92% / Slide: 29.5m - 8%, ROP: 19.9m/hr. Last survey at 2551mMD, inclination= 87.98°, azimuth= 297.85°, TVD - 1794.22m. We are 0.39m below and 12.12m right of the line.
42	1/19/2014	1/20/2014	2,495.00	2,895.00	122,537.96	4,841,029.54	No incidents or accidents. 9 - HID, 1 - OBS and 0 - ASA (all closed out) Drill 156mm lateral hole from 2495m to 2895m, with accumulated MWD surveys, rig services, connections and circulation times. WOB: 6-14,000kDaN, RPM - 35-80 (Motor RPM - 152), Differential pressure: 2000-3000kPa, Pump rate: 0.9-1.0 m3/min. Torque: 7-10,000ft/lbs, Rotate: 368.0m - 92.0% / Slide: 32.0m - 8.0%, ROP: 20.5m/hr. Last survey at 2890mMD, inclination= 87.8°, azimuth= 301.07°, TVD - 1803.24m. Projected survey at bit: 2910mMD (TD), inclination= 87.8°, azimuth= 301.07°, TVD - 1804.01m. We are 0.78m below and 14.92m left of the line.
43	1/20/2014	1/21/2014	2,895.00	2,910.00	103,189.12	4,944,218.66	No incidents or accidents. 3 - HID, 3 - OBS and 0 - ASA (all closed out) Drill 156mm lateral hole from 2895m to 2910m. Last survey at 2890mMD, inclination= 87.8°, azimuth= 301.07°, TVD - 1803.24m. Projected survey at bit: 2910mMD (TD), inclination= 87.8°, azimuth= 301.07°, TVD - 1804.01m. We are 0.78m below and 14.92m left of the line. Circulate 2 bottoms up, pull out of the hole to 1908mMD (casing shoe), wash in to 2910mMD (TD), circulate 3 bottoms up and clean hole, pull out of the hole, lay down directional tools.
44	1/21/2014	1/22/2014	2,910.00	2,910.00	246,313.25	5,190,531.91	No incidents or accidents. 7 - HID, 3 - OBS and 0 - ASA (all closed out) Pull out of the hole, lay down directional tools, rig up Schlumberger loggers and run USIT log (point of refusal at 1824mMD (67°) at 03:00hrs), rig out loggers, rig up power tongs and laydown truck, run 114.3mm production liner and Volant Hydroforms with liner top packer followed by drill pipe and heavy weight drill pipe, strap in and drift drill pipe and heavy weight drill pipe.

Daily Activity and Cost Summary

CANYON E-76 65-10 126-45

UWI E7665-10126-45	Surface Legal Location E-76 65-10 126-45	District NEW VENTURES	Field Name Canyon	License No. EL 470
Program ILX	Well Type Appraisal	Well Configuration Type HORIZONTAL	Original KB/RT Elevation (m) 273.40	KB-Ground Distance (m) 5.20

Report No.	Start Date	End Date	Start Depth (mKB)	End Depth (mKB)	Daily Cost Total (Cost)	Cum Cost (Cost)	Last 24hr Sum
45	1/22/2014	1/23/2014	2,910.00	2,910.00	117,964.36	5,308,496.27	No incidents or accidents. 9 - HID, 0 - OBS and 0 - ASA (all closed out) Run 114.3mm production liner with drill pipe and heavy weight drill pipe, strap in and drift drill pipe and heavy weight drill pipe, tag bottom at 2910mMD, circulate bottoms up and clean hole, rig up cementers, cement liner up to liner top, drop dart and displace with fresh water, bump plug 3,500kPA over final circulating pressure, bleed off, check floats, pressure up to 28,000kPA and set liner with liner top packer, circulate out pre-flush and 2m3 of excess cement out, displace hole with fresh water, rig out cementers, flowcheck, rig up laydown truck, laydown drill pipe and heavy weight drill pipe, run in the rest of the drill pipe in the derrick, laydown drill pipe, rig up power tongs, run 114.3mm tie-back liner.
46	1/23/2014	1/24/2014	2,910.00	2,910.00	1,139,392.20	6,447,888.47	No incidents or accidents. 9 - HID, 0 - OBS and 0 - ASA (all closed out) Rig up power tongs, run 114.3mm tie-back liner, space out using 2 small pup joints, land mandrel seal assembly and tie onto top of liner top packer with 18,000dan of compression, remove landing joint, pressure test 114.3mm x 177.8mm annulus to 15,000kPA, rig out top drive, nipple down BOP. Rig release at 23:59hrs on January 23rd, 2014. From midnight to 6:00am: Nipple down BOP, pressure test packoff seal assembly, blow out water and pour 2 pails of diesel, install wellhead, clean mud tanks, tear out rig. No pressure on backside.