

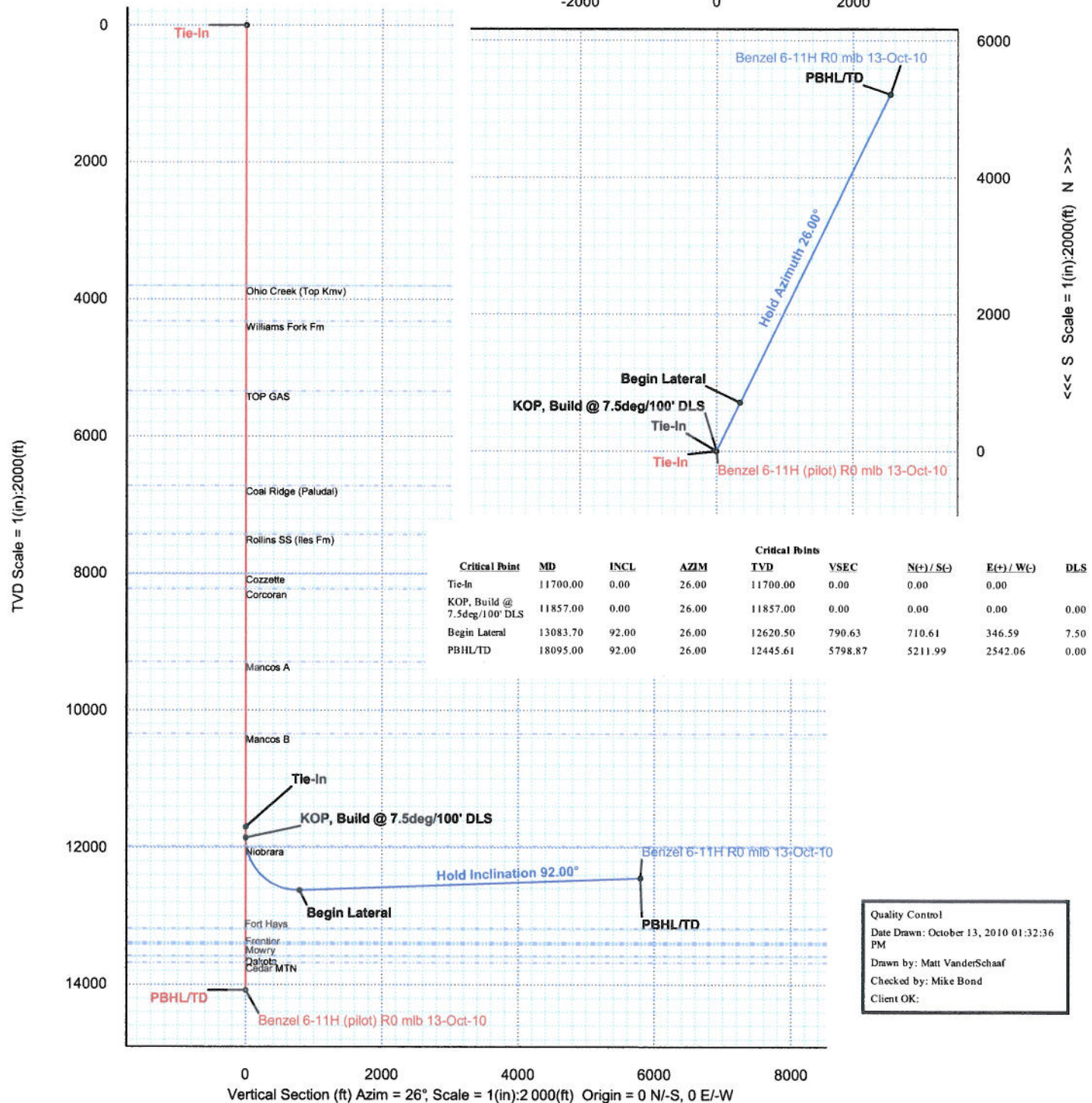
WELL	Benzel 6-11	FIELD	Garfield County, CO	STRUCTURE	12-07S-93W
Magnetic Parameters	Model: BGGM 2010	Dip: 65.801°	Date: October 13, 2010	Surface Location	NAD83 UTM Zone 13N, US Feet
	Mag Dec: 10.312°	FS: 52319.2mT	Lat: N 39 27 30.348	Lon: W 107 43 21.360	North: 14341144.07 BUS
			East: 871954.50 BUS	Grid Conv: -1.73104785°	Scale Fact: 1.00027562
				Miscellaneous	Sit: Benzel 6-11
					Plan: R0 mib 13-Oct-10
					TVD Rat: R0B(5282ft above MSL)
					Srvy Date: October 13, 2010

Proposal



Grid North
Tot Corr (M->G 12.0430°)
Mag Dec (10.312°)
Grid Conv (-1.73104785°)

<<< W Scale = 1(in):2000(ft) E >>>
-2000 0 2000



Quality Control
Date Drawn: October 13, 2010 01:32:36 PM
Drawn by: Matt VanderSchaaf
Checked by: Mike Bond
Client OK:

Benzel 6-11H R0 mib 13-Oct-10 Proposal Report (Non-Def Plan)

Report Date: October 13, 2010 - 01:02 PM
Client: EnCana Oil & Gas (USA) Inc.
Field: CO, Garfield County (NAD 83 UTM 13) EnCana 2010
Structure / Slot: Encana 12-07S-93W (J12A Pad) / Benzel 6-11
Well: Benzel 6-11
Borehole: ST1
UWI / API#: Unknown / Unknown
Survey Name: Benzel 6-11H R0 mib 13-Oct-10
Survey Date: October 13, 2010
Tort / AHD / DDI / ERD Ratio: 92.000 * / 5798.873 ft / 5.884 / 0.459
Grid Coordinate System: NAD83 UTM Zone 13N, US Feet
Location Lat / Long: N 39° 27' 30.34800", W 107° 43' 21.36001"
Location Grid N/E Y/X: N 14341144.070 RUS, E 871904.502 RUS
Grid Convergence Angle: -1.73104785 °
Grid Scale Factor: 1.00027582

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 26.000 ° (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 6282.000 ft above MSL
Seabed / Ground Elevation: 6260.000 ft above MSL
Magnetic Declination: 10.312 °
Total Field Strength: 52319.208 nT
Magnetic Dip Angle: 65.801 °
Declination Date: October 13, 2010
Magnetic Declination Model: BGGM 2010
North Reference: Grid North
Grid Correction: -1.731 °
Total Corr Mag North→Grid North: 12.043 °
Local Coord Referenced To: Well Head

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS ("/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Ohio Creek (Top Km)	3802.00	0.00	26.00	3802.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
Williams Fork Fm	4322.00	0.00	26.00	4322.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
TOP GAS	5342.00	0.00	26.00	5342.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
Coal Ridge (Paludal)	6722.00	0.00	26.00	6722.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
Rollins SS (iles Fm)	7432.00	0.00	26.00	7432.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
Cozzette	8012.00	0.00	26.00	8012.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
Corcoran	8232.00	0.00	26.00	8232.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
Mancos A	9292.00	0.00	26.00	9292.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
Mancos B	10342.00	0.00	26.00	10342.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
Tie-In	11700.00	0.00	26.00	11700.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
KOP, Build @ 7.5deg/100' DLS	11800.00	0.00	26.00	11800.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
	11857.00	0.00	26.00	11857.00	0.00	0.00	0.00	0.00	14341144.07	871904.50	N 39 27 30.35	W 107 43 21.36
Niobrara	11900.00	3.22	26.00	11899.98	1.21	1.09	0.53	7.50	14341145.16	871905.03	N 39 27 30.36	W 107 43 21.35
	11982.58	9.42	26.00	11982.00	10.30	9.25	4.51	7.50	14341153.33	871909.02	N 39 27 30.44	W 107 43 21.31
	12000.00	10.72	26.00	11999.17	13.34	11.99	5.85	7.50	14341156.07	871910.35	N 39 27 30.47	W 107 43 21.29
	12100.00	18.22	26.00	12095.92	38.32	34.44	16.80	7.50	14341178.52	871921.31	N 39 27 30.69	W 107 43 21.16
	12200.00	25.72	26.00	12188.59	75.71	68.05	33.19	7.50	14341212.14	871937.70	N 39 27 31.03	W 107 43 20.96
	12300.00	33.22	26.00	12275.59	124.88	112.24	54.74	7.50	14341256.34	871959.26	N 39 27 31.47	W 107 43 20.71
	12400.00	40.72	26.00	12355.42	184.98	168.26	81.09	7.50	14341310.38	871985.62	N 39 27 32.01	W 107 43 20.39
	12500.00	48.22	26.00	12426.73	254.99	229.19	111.78	7.50	14341373.32	872016.31	N 39 27 32.65	W 107 43 20.02
	12600.00	55.72	26.00	12488.29	333.71	299.94	146.29	7.50	14341444.09	872050.83	N 39 27 33.35	W 107 43 19.61
	12700.00	63.22	26.00	12539.04	419.79	377.30	184.02	7.50	14341521.48	872088.58	N 39 27 34.13	W 107 43 19.16
	12800.00	70.72	26.00	12578.13	511.75	459.96	224.34	7.50	14341604.16	872128.90	N 39 27 34.96	W 107 43 18.68
	12900.00	78.22	26.00	12604.88	608.03	546.50	286.54	7.50	14341690.72	872171.12	N 39 27 35.83	W 107 43 18.17
	13000.00	85.72	26.00	12618.84	708.98	635.43	309.92	7.50	14341779.68	872214.51	N 39 27 36.72	W 107 43 17.66
Begin Lateral	13083.70	92.00	26.00	12620.50	790.83	710.81	348.59	7.50	14341854.88	872251.19	N 39 27 37.47	W 107 43 17.22
	13100.00	92.00	26.00	12619.93	808.92	725.25	353.73	0.00	14341869.52	872258.33	N 39 27 37.62	W 107 43 17.13
	13200.00	92.00	26.00	12616.44	908.86	815.08	397.54	0.00	14341959.37	872302.15	N 39 27 38.52	W 107 43 16.61
	13300.00	92.00	26.00	12612.95	1006.79	904.90	441.35	0.00	14342049.22	872345.97	N 39 27 39.42	W 107 43 16.08
	13400.00	92.00	26.00	12609.46	1106.73	994.73	485.16	0.00	14342139.07	872389.80	N 39 27 40.32	W 107 43 15.56
	13500.00	92.00	26.00	12605.97	1206.67	1084.55	528.97	0.00	14342228.92	872433.62	N 39 27 41.22	W 107 43 15.04
	13600.00	92.00	26.00	12602.48	1306.61	1174.37	572.78	0.00	14342318.77	872477.44	N 39 27 42.12	W 107 43 14.51
	13700.00	92.00	26.00	12598.99	1406.55	1264.20	616.59	0.00	14342408.62	872521.26	N 39 27 43.02	W 107 43 13.99
	13800.00	92.00	26.00	12595.50	1506.49	1354.02	660.40	0.00	14342498.46	872565.08	N 39 27 43.92	W 107 43 13.47
	13900.00	92.00	26.00	12592.01	1606.43	1443.85	704.21	0.00	14342588.31	872608.91	N 39 27 44.82	W 107 43 12.94
	14000.00	92.00	26.00	12588.52	1706.37	1533.67	748.02	0.00	14342678.16	872652.73	N 39 27 45.72	W 107 43 12.42
	14100.00	92.00	26.00	12585.03	1806.31	1623.50	791.83	0.00	14342768.01	872696.55	N 39 27 46.62	W 107 43 11.89
	14200.00	92.00	26.00	12581.54	1906.25	1713.32	835.64	0.00	14342857.86	872740.37	N 39 27 47.52	W 107 43 11.37
	14300.00	92.00	26.00	12578.05	2006.19	1803.15	879.45	0.00	14342947.71	872784.20	N 39 27 48.42	W 107 43 10.85
	14400.00	92.00	26.00	12574.56	2106.12	1892.97	923.28	0.00	14343037.56	872828.02	N 39 27 49.32	W 107 43 10.32
	14500.00	92.00	26.00	12571.07	2206.06	1982.80	967.07	0.00	14343127.41	872871.84	N 39 27 50.22	W 107 43 9.80
	14600.00	92.00	26.00	12567.58	2306.00	2072.62	1010.88	0.00	14343217.26	872915.66	N 39 27 51.12	W 107 43 9.27
	14700.00	92.00	26.00	12564.09	2405.94	2162.45	1054.70	0.00	14343307.11	872959.49	N 39 27 52.02	W 107 43 8.75
	14800.00	92.00	26.00	12560.60	2505.88	2252.27	1098.51	0.00	14343396.96	873003.31	N 39 27 52.93	W 107 43 8.23
	14900.00	92.00	26.00	12557.11	2605.82	2342.10	1142.32	0.00	14343486.81	873047.13	N 39 27 53.83	W 107 43 7.70
	15000.00	92.00	26.00	12553.62	2705.76	2431.92	1186.13	0.00	14343576.66	873090.95	N 39 27 54.73	W 107 43 7.18
	15100.00	92.00	26.00	12550.13	2805.70	2521.74	1229.94	0.00	14343666.50	873134.78	N 39 27 55.63	W 107 43 6.66
	15200.00	92.00	26.00	12546.64	2905.64	2611.57	1273.75	0.00	14343756.35	873178.60	N 39 27 56.53	W 107 43 6.13
	15300.00	92.00	26.00	12543.15	3005.58	2701.39	1317.56	0.00	14343846.20	873222.42	N 39 27 57.43	W 107 43 5.61
	15400.00	92.00	26.00	12539.66	3105.51	2791.22	1361.37	0.00	14343936.05	873266.24	N 39 27 58.33	W 107 43 5.08
	15500.00	92.00	26.00	12536.17	3205.45	2881.04	1405.18	0.00	14344025.90	873310.07	N 39 27 59.23	W 107 43 4.56
	15600.00	92.00	26.00	12532.68	3305.39	2970.87	1448.99	0.00	14344115.75	873353.89	N 39 28 0.13	W 107 43 4.04
	15700.00	92.00	26.00	12529.19	3405.33	3060.69	1492.80	0.00	14344205.60	873397.71	N 39 28 1.03	W 107 43 3.51
	15800.00	92.00	26.00	12525.70	3505.27	3150.52	1536.61	0.00	14344295.45	873441.53	N 39 28 1.93	W 107 43 2.99
	15900.00	92.00	26.00	12522.21	3605.21	3240.34	1580.42	0.00	14344385.30	873485.36	N 39 28 2.83	W 107 43 2.47
	16000.00	92.00	26.00	12518.72	3705.15	3330.17	1624.23	0.00	14344475.15	873529.18	N 39 28 3.73	W 107 43 1.94
	16100.00	92.00	26.00	12515.23	3805.09	3419.99	1668.04	0.00	14344565.00	873573.00	N 39 28 4.63	W 107 43 1.42
	16200.00	92.00	26.00	12511.74	3905.03	3509.82	1711.85	0.00	14344654.85	873616.82	N 39 28 5.53	W 107 43 0.89
	16300.00	92.00	26.00	12508.25	4004.97	3599.64	1755.66	0.00	14344744.70	873660.64	N 39 28 6.43	W 107 43 0.37
	16400.00	92.00	26.00	12504.76	4104.91	3689.46	1799.47	0.00	14344834.54	873704.47	N 39 28 7.33	W 107 42 59.85
	16500.00	92.00	26.00	12501.27	4204.84	3779.29	1843.28	0.00	14344924.39	873748.29	N 39 28 8.23	W 107 42 59.32
	16600.00	92.00	26.00	12497.78	4304.78	3869.11	1887.09	0.00	14345014.24	873792.11	N 39 28 9.13	W 107 42 58.80
	16700.00	92.00	26.00	12494.29	4404.72	3958.94	1930.90	0.00	14345104.09	873835.93	N 39 28 10.03	W 107 42 58.27
	16800.00	92.00	26.00	12490.80	4504.66	4048.76	1974.71	0.00	14345193.94	873879.76	N 39 28 10.93	W 107 42 57.75

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (RUS)	Easting (RUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
	16900.00	92.00	26.00	12487.31	4604.60	4136.59	2018.52	0.00	14345283.79	873923.58	N 39 28 11.83	W 107 42 57.23
	17000.00	92.00	26.00	12483.82	4704.54	4228.41	2062.33	0.00	14345373.64	873967.40	N 39 28 12.73	W 107 42 56.70
	17100.00	92.00	26.00	12480.33	4804.48	4316.24	2106.15	0.00	14345463.49	874011.22	N 39 28 13.63	W 107 42 56.18
	17200.00	92.00	26.00	12476.84	4904.42	4408.06	2149.96	0.00	14345553.34	874055.05	N 39 28 14.54	W 107 42 55.66
	17300.00	92.00	26.00	12473.35	5004.36	4497.89	2193.77	0.00	14345643.19	874098.87	N 39 28 15.44	W 107 42 55.13
	17400.00	92.00	26.00	12469.86	5104.30	4587.71	2237.58	0.00	14345733.04	874142.69	N 39 28 16.34	W 107 42 54.61
	17500.00	92.00	26.00	12466.37	5204.24	4677.54	2281.39	0.00	14345822.89	874186.51	N 39 28 17.24	W 107 42 54.08
	17600.00	92.00	26.00	12462.88	5304.17	4767.36	2325.20	0.00	14345912.74	874230.34	N 39 28 18.14	W 107 42 53.56
	17700.00	92.00	26.00	12459.39	5404.11	4857.19	2369.01	0.00	14346002.58	874274.16	N 39 28 19.04	W 107 42 53.04
	17800.00	92.00	26.00	12455.90	5504.05	4947.01	2412.82	0.00	14346092.43	874317.98	N 39 28 19.94	W 107 42 52.51
	17900.00	92.00	26.00	12452.41	5603.99	5036.83	2456.63	0.00	14346182.28	874361.80	N 39 28 20.84	W 107 42 51.99
	18000.00	92.00	26.00	12448.92	5703.93	5126.66	2500.44	0.00	14346272.13	874405.63	N 39 28 21.74	W 107 42 51.46
PBHL/TD	18095.00	92.00	26.00	12445.61	5798.87	5211.99	2542.06	0.00	14346357.49	874447.26	N 39 28 22.59	W 107 42 50.97

Survey Type: Non-Def Plan

Survey Error Model: ISCWSA Rev 0 *** 3-D 95.000% Confidence 2.7955 sigma

Survey Program:

MD From (ft)	MD To (ft)	EOU Freq (ft)	Survey Tool Type	Borehole / Survey
0.000	22.000	1/100.000	SLB_MWD-STD-Depth Only	Original Hole / Benzel 6-11H (pilot) R0 mlb 13-Oct-10
22.000	11700.000	1/100.000	SLB_MWD-STD	Original Hole / Benzel 6-11H (pilot) R0 mlb 13-Oct-10
11700.000	18095.000	1/100.000	SLB_MWD-STD	ST1 / Benzel 6-11H R0 mlb 13-Oct-10