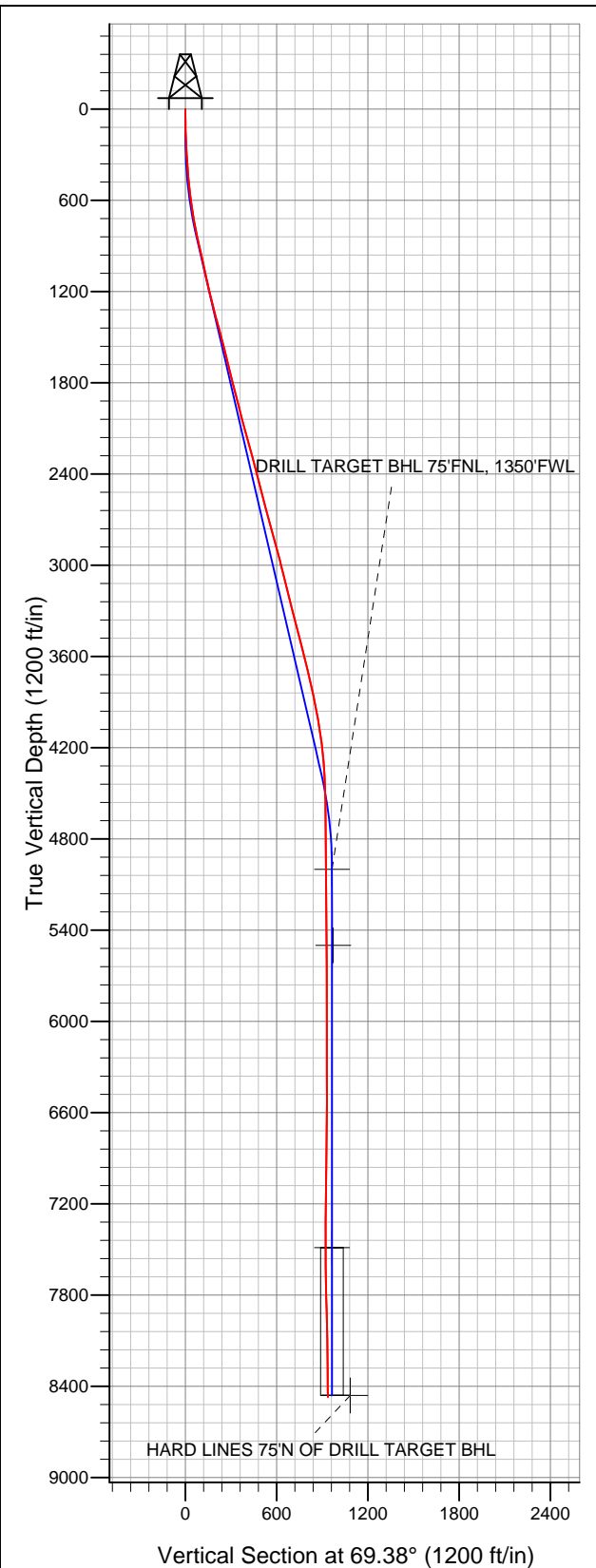


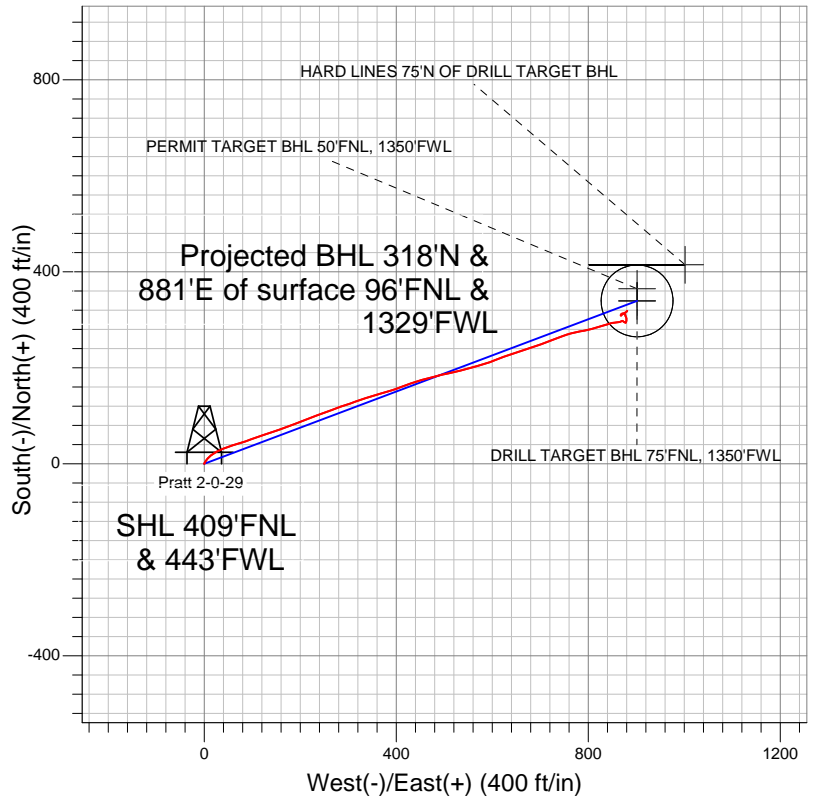
Well Name: Pratt 2-0-29

Surface Location: Pratt 0-2-29 Pad Sec.29-T1N-R68W
North American Datum 1983 US State Plane 1983Colorado Northern Zone
Ground Elevation: 5116.0

+N/-S 0.0	+E/-W 0.0	Northing 1253434.56	Easting 3130079.87	Latitude 40.028130	Longitude -105.035490	Slot
		Original Well Elev	WELL @ 5129.0ft (Original Well Elev)			



EnCana Oil & Gas Weld County CO



LEGEND

- Survey #1
- Pratt 2-0-29, Wellbore #1, Plan #1 (3-29-12) R V0
- Wellbore #1

Final Survey Plot

Projected Final Survey -
8578'MD & 8470'TVD @ 937'VS
0.50 deg Inc 45.80 deg AZ

Project: SEC.29-T1N-R68W
Site: Pratt 0-2-29 Pad Sec.29-T1N-R68W
Well: Pratt 2-0-29
Plan: Wellbore #1



EnCana Oil & Gas Weld County CO

SEC.29-T1N-R68W

Pratt 0-2-29 Pad Sec.29-T1N-R68W

Pratt 2-0-29

Wellbore #1

Survey: Survey #1

Standard Survey Report

05 April, 2012

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 2-0-29
Project:	SEC.29-T1N-R68W	TVD Reference:	WELL @ 5129.0ft (Original Well Elev)
Site:	Pratt 0-2-29 Pad Sec.29-T1N-R68W	MD Reference:	WELL @ 5129.0ft (Original Well Elev)
Well:	Pratt 2-0-29	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.29-T1N-R68W, Weld County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site		Pratt 0-2-29 Pad Sec.29-T1N-R68W			
Site Position:		Northing:	1,253,437.95 ft	Latitude:	40.028140 °
From:	Lat/Long	Easting:	3,130,029.45 ft	Longitude:	-105.035670 °
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.30 °

Well	Pratt 2-0-29					
Well Position	+N/-S	0.0 ft	Northing:	1,253,434.56 ft	Latitude:	40.028130
	+E/-W	0.0 ft	Easting:	3,130,079.87 ft	Longitude:	-105.035490
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,116.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/29/2012	8.87	66.68	52,821

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	5,000.0	0.0	0.0	69.38	

Survey Program		Date	4/5/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
41.0	8,578.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
41.0	0.70	12.00	41.0	0.2	0.1	0.1	1.71	1.71	0.00
132.0	1.70	28.60	132.0	2.0	0.8	1.5	1.15	1.10	18.24
223.0	3.00	32.20	222.9	5.2	2.7	4.4	1.44	1.43	3.96
315.0	4.00	42.10	314.7	9.6	6.2	9.1	1.27	1.09	10.76
407.0	5.40	43.90	406.4	15.1	11.3	15.9	1.53	1.52	1.96
498.0	5.90	55.30	497.0	20.8	18.1	24.3	1.35	0.55	12.53
590.0	7.20	64.80	588.4	26.0	27.2	34.6	1.84	1.41	10.33
681.0	9.10	69.30	678.5	31.0	39.1	47.5	2.20	2.09	4.95
773.0	10.50	70.20	769.1	36.4	53.8	63.2	1.53	1.52	0.98
867.0	12.30	73.00	861.3	42.2	71.5	81.7	2.00	1.91	2.98
945.0	13.50	70.70	937.3	47.6	88.0	99.1	1.67	1.54	-2.95
1,033.0	12.10	69.70	1,023.1	54.2	106.3	118.6	1.61	-1.59	-1.14

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 2-0-29
Project:	SEC.29-T1N-R68W	TVD Reference:	WELL @ 5129.0ft (Original Well Elev)
Site:	Pratt 0-2-29 Pad Sec.29-T1N-R68W	MD Reference:	WELL @ 5129.0ft (Original Well Elev)
Well:	Pratt 2-0-29	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
1,120.0	11.80	72.30	1,108.2	60.1	123.4	136.6	0.71	-0.34	2.99	
1,207.0	13.40	71.40	1,193.1	66.0	141.4	155.6	1.85	1.84	-1.03	
1,294.0	14.00	71.40	1,277.6	72.6	160.9	176.2	0.69	0.69	0.00	
1,382.0	14.80	69.20	1,362.9	80.0	181.5	198.1	1.10	0.91	-2.50	
1,469.0	15.60	67.90	1,446.8	88.3	202.7	220.9	1.00	0.92	-1.49	
1,556.0	14.60	69.20	1,530.8	96.6	223.8	243.5	1.21	-1.15	1.49	
1,644.0	14.20	70.60	1,616.1	104.1	244.4	265.4	0.60	-0.45	1.59	
1,731.0	14.20	69.00	1,700.4	111.5	264.4	286.7	0.45	0.00	-1.84	
1,818.0	13.50	70.90	1,784.9	118.7	284.0	307.6	0.96	-0.80	2.18	
1,906.0	13.70	71.80	1,870.4	125.3	303.6	328.3	0.33	0.23	1.02	
1,993.0	14.90	70.00	1,954.7	132.3	323.9	349.7	1.47	1.38	-2.07	
2,080.0	14.90	71.80	2,038.8	139.6	345.0	372.1	0.53	0.00	2.07	
2,167.0	15.70	75.80	2,122.7	146.0	367.1	395.0	1.52	0.92	4.60	
2,255.0	14.70	72.20	2,207.6	152.4	389.2	417.9	1.56	-1.14	-4.09	
2,342.0	14.80	67.90	2,291.8	159.9	410.0	440.1	1.26	0.11	-4.94	
2,429.0	15.10	70.90	2,375.8	167.8	431.0	462.5	0.95	0.34	3.45	
2,517.0	14.90	74.60	2,460.8	174.6	452.8	485.2	1.11	-0.23	4.20	
2,604.0	14.50	76.10	2,545.0	180.1	474.1	507.2	0.63	-0.46	1.72	
2,691.0	14.60	75.50	2,629.2	185.5	495.3	528.9	0.21	0.11	-0.69	
2,779.0	15.70	79.70	2,714.1	190.4	517.8	551.7	1.77	1.25	4.77	
2,866.0	15.60	74.10	2,797.9	195.7	540.6	574.9	1.74	-0.11	-6.44	
2,953.0	14.90	74.10	2,881.8	202.0	562.6	597.7	0.80	-0.80	0.00	
3,040.0	15.10	73.00	2,965.9	208.4	584.2	620.2	0.40	0.23	-1.26	
3,128.0	13.80	69.00	3,051.1	215.5	605.0	642.1	1.86	-1.48	-4.55	
3,215.0	13.40	68.60	3,135.7	222.9	624.0	662.6	0.47	-0.46	-0.46	
3,302.0	14.00	73.90	3,220.2	229.5	643.5	683.1	1.60	0.69	6.09	
3,390.0	14.70	70.60	3,305.4	236.1	664.3	704.9	1.22	0.80	-3.75	
3,477.0	15.30	71.30	3,389.5	243.5	685.6	727.4	0.72	0.69	0.80	
3,564.0	14.60	69.70	3,473.5	251.0	706.7	749.8	0.93	-0.80	-1.84	
3,652.0	13.70	69.30	3,558.9	258.5	726.9	771.4	1.03	-1.02	-0.45	
3,739.0	13.00	69.70	3,643.5	265.5	745.7	791.4	0.81	-0.80	0.46	
3,826.0	12.90	74.60	3,728.3	271.5	764.3	810.9	1.27	-0.11	5.63	
3,913.0	13.40	78.10	3,813.0	276.2	783.5	830.5	1.08	0.57	4.02	
4,001.0	12.10	78.70	3,898.8	280.1	802.5	849.7	1.48	-1.48	0.68	
4,088.0	10.60	73.20	3,984.1	284.2	819.1	866.7	2.12	-1.72	-6.32	
4,175.0	8.80	72.00	4,069.9	288.5	833.1	881.3	2.08	-2.07	-1.38	
4,263.0	7.40	73.70	4,157.0	292.2	844.9	893.7	1.61	-1.59	1.93	
4,350.0	5.80	85.00	4,243.4	294.2	854.7	903.5	2.36	-1.84	12.99	
4,437.0	4.00	84.10	4,330.1	294.9	862.1	910.7	2.07	-2.07	-1.03	
4,525.0	2.30	66.70	4,418.0	295.9	866.8	915.4	2.20	-1.93	-19.77	
4,612.0	2.10	65.10	4,504.9	297.2	869.8	918.8	0.24	-0.23	-1.84	
4,699.0	0.90	128.90	4,591.9	297.5	871.8	920.7	2.17	-1.38	73.33	
4,874.0	0.70	135.60	4,766.9	295.9	873.6	921.8	0.13	-0.11	3.83	
5,048.0	1.20	106.40	4,940.8	294.6	876.1	923.7	0.39	0.29	-16.78	
5,107.2	0.83	110.49	5,000.0	294.3	877.1	924.5	0.64	-0.63	6.90	
DRILL TARGET BHL 75'FNL, 1350'FWL										
5,223.0	0.20	167.20	5,115.8	293.8	877.9	925.1	0.64	-0.54	48.98	
5,398.0	1.10	22.40	5,290.8	295.0	878.6	926.2	0.72	0.51	-82.74	
5,572.0	0.40	2.20	5,464.8	297.2	879.3	927.6	0.42	-0.40	-11.61	
5,607.8	0.44	4.26	5,500.6	297.4	879.3	927.7	0.12	0.11	5.75	
PERMIT TARGET BHL 50'FNL, 1350'FWL										
5,747.0	0.60	9.60	5,639.8	298.7	879.5	928.3	0.12	0.11	3.84	
5,921.0	1.10	358.70	5,813.8	301.3	879.6	929.3	0.30	0.29	-6.26	
6,096.0	1.10	339.70	5,988.7	304.5	879.0	929.9	0.21	0.00	-10.86	

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 2-0-29
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Site:	Pratt 0-2-29 Pad Sec.29-T1N-R68W	MD Reference:	WELL @ 5129.0ft (Original Well Elev)
Well:	Pratt 2-0-29	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
6,271.0	0.90	337.90	6,163.7	307.4	877.9	929.9	0.12	-0.11	-1.03	
6,445.0	0.80	351.10	6,337.7	309.8	877.2	930.1	0.13	-0.06	7.59	
6,620.0	0.60	290.50	6,512.7	311.4	876.1	929.6	0.42	-0.11	-34.63	
6,794.0	0.60	279.90	6,686.7	311.8	874.4	928.2	0.06	0.00	-6.09	
6,969.0	0.50	299.10	6,861.7	312.4	872.8	926.9	0.12	-0.06	10.97	
7,144.0	0.70	266.70	7,036.7	312.7	871.1	925.4	0.22	0.11	-18.51	
7,318.0	0.70	243.90	7,210.7	312.1	869.0	923.3	0.16	0.00	-13.10	
7,493.0	1.10	185.70	7,385.6	310.0	867.9	921.5	0.54	0.23	-33.26	
7,596.1	0.43	170.37	7,488.7	308.6	867.9	921.0	0.68	-0.65	-14.87	
TARGET CIRCLE 75'FNL & 1350'FWL										
7,667.0	0.20	78.50	7,559.6	308.4	868.1	921.0	0.68	-0.32	-129.61	
7,842.0	1.70	45.40	7,734.6	310.3	870.2	923.7	0.88	0.86	-18.91	
8,017.0	1.60	67.00	7,909.5	313.1	874.3	928.5	0.36	-0.06	12.34	
8,191.0	1.10	49.80	8,083.5	315.1	877.8	932.5	0.37	-0.29	-9.89	
8,366.0	0.60	40.90	8,258.5	316.9	879.7	934.9	0.29	-0.29	-5.09	
8,528.0	0.50	45.80	8,420.4	318.0	880.8	936.3	0.07	-0.06	3.02	
8,569.9	0.50	45.80	8,462.3	318.3	881.0	936.7	0.00	0.00	0.00	
HARD LINES 75'N OF DRILL TARGET BHL										
8,578.0	0.50	45.80	8,470.4	318.3	881.1	936.7	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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