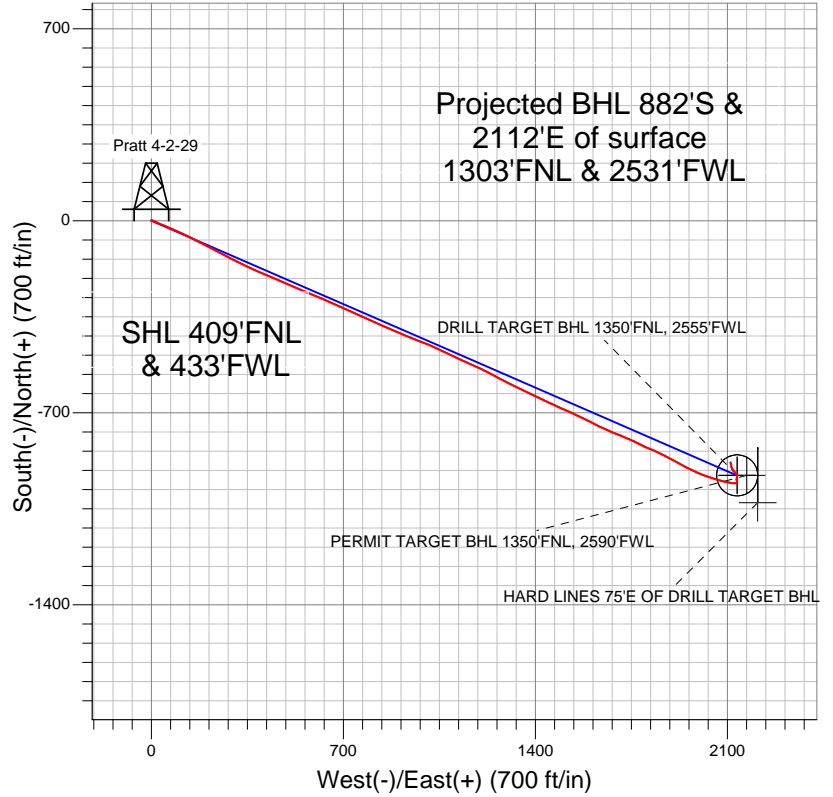


Well Name: Pratt 4-2-29

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	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1253434.50	3130068.67	40.028130	-105.035530	
Original Well Elev				WELL @ 5129.0ft (Original Well Elev)		

EnCana Oil & Gas Weld County CO



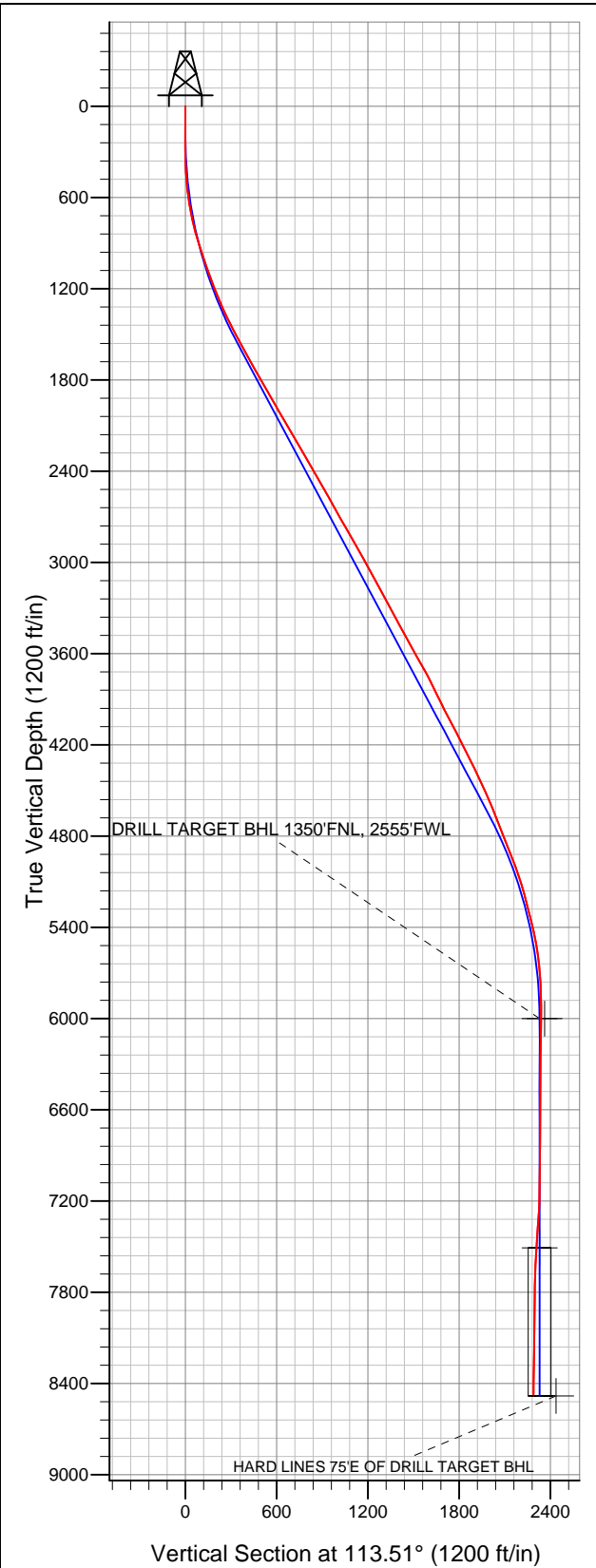
LEGEND

- Wellbore #1
- Pratt 4-2-29, Wellbore #1, Plan #1 (4-03-12) R V0
- Survey #1

Final Survey Plot

Projected Final Survey -
 9010'MD & 8471'TVD @ 2288'VS
 1.30 deg Inc 340.20 deg AZ

Project: SEC.29-T1N-R68W
 Site: Pratt 0-2-29 Pad Sec.29-T1N-R68W
 Well: Pratt 4-2-29
 Plan: Wellbore #1





EnCana Oil & Gas Weld County CO

SEC.29-T1N-R68W

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

Pratt 4-2-29

Wellbore #1

Survey: Survey #1

Standard Survey Report

11 April, 2012

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 4-2-29
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 4-2-29	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 4-2-29					
Well Position	+N/-S	0.0 ft	Northing:	1,253,434.50 ft	Latitude:	40.028130
	+E/-W	0.0 ft	Easting:	3,130,068.67 ft	Longitude:	-105.035530
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	4/3/2012	8.87	66.68	52,819

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 (°)	
	6,000.0	0.0	0.0	113.51	

Survey Program		Date	4/11/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
193.0	9,010.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Survey	Wellbore Data									
	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)
Survey A	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	193.0	0.70	319.10	193.0	0.9	-0.8	-1.1	0.36	0.36	0.00
	284.0	0.60	90.10	284.0	1.3	-0.7	-1.1	1.30	-0.11	143.96
	376.0	1.80	105.80	376.0	0.9	1.2	0.7	1.34	1.30	17.07
	468.0	4.00	110.30	467.8	-0.6	5.6	5.4	2.40	2.39	4.89
	560.0	6.70	114.30	559.4	-3.9	13.5	14.0	2.96	2.93	4.35
	651.0	9.50	115.70	649.5	-9.4	25.1	26.8	3.08	3.08	1.54
	743.0	12.30	110.30	739.9	-16.0	41.2	44.1	3.24	3.04	-5.87
	835.0	14.80	114.90	829.3	-24.4	61.0	65.7	2.96	2.72	5.00
	861.0	16.20	114.50	854.3	-27.3	67.3	72.6	5.40	5.38	-1.54
	945.0	18.60	113.50	934.5	-37.5	90.3	97.7	2.88	2.86	-1.19
	1,033.0	19.30	113.50	1,017.7	-48.9	116.5	126.3	0.80	0.80	0.00
1,120.0	19.30	117.70	1,099.8	-61.3	142.4	155.0	1.60	0.00	4.83	

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 4-2-29
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 4-2-29	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)
1,207.0	21.10	118.00	1,181.5	-75.4	169.0	185.0	2.07	2.07	0.34
1,294.0	22.40	117.00	1,262.3	-90.2	197.6	217.1	1.55	1.49	-1.15
1,382.0	24.60	118.40	1,343.0	-106.6	228.6	252.1	2.58	2.50	1.59
1,469.0	26.70	116.80	1,421.4	-124.0	262.0	289.7	2.54	2.41	-1.84
1,556.0	27.90	116.60	1,498.7	-141.9	297.6	329.5	1.38	1.38	-0.23
1,644.0	28.70	115.70	1,576.2	-160.3	335.1	371.2	1.03	0.91	-1.02
1,731.0	29.40	114.70	1,652.3	-178.3	373.3	413.4	0.98	0.80	-1.15
1,818.0	29.50	113.10	1,728.0	-195.6	412.4	456.2	0.91	0.11	-1.84
1,906.0	29.50	112.90	1,804.6	-212.5	452.3	499.5	0.11	0.00	-0.23
1,993.0	29.20	113.60	1,880.4	-229.4	491.5	542.2	0.52	-0.34	0.80
2,080.0	30.20	113.60	1,956.0	-246.6	531.0	585.3	1.15	1.15	0.00
2,167.0	30.40	112.20	2,031.1	-263.7	571.4	629.2	0.84	0.23	-1.61
2,255.0	30.60	112.90	2,106.9	-280.8	612.7	673.8	0.46	0.23	0.80
2,342.0	30.40	112.80	2,181.9	-298.0	653.4	718.0	0.24	-0.23	-0.11
2,429.0	29.50	114.00	2,257.3	-315.2	693.2	761.4	1.24	-1.03	1.38
2,517.0	30.10	115.90	2,333.7	-333.7	732.9	805.1	1.27	0.68	2.16
2,604.0	30.30	115.40	2,408.8	-352.6	772.3	848.9	0.37	0.23	-0.57
2,691.0	29.80	112.90	2,484.2	-370.4	812.1	892.4	1.55	-0.57	-2.87
2,779.0	29.70	113.50	2,560.6	-387.6	852.2	936.1	0.36	-0.11	0.68
2,866.0	29.10	112.90	2,636.4	-404.5	891.4	978.8	0.77	-0.69	-0.69
2,953.0	29.00	111.50	2,712.4	-420.4	930.6	1,021.0	0.79	-0.11	-1.61
3,040.0	29.80	111.40	2,788.2	-436.0	970.3	1,063.7	0.92	0.92	-0.11
3,128.0	30.30	113.30	2,864.4	-452.8	1,011.1	1,107.8	1.22	0.57	2.16
3,215.0	29.50	115.00	2,939.8	-470.5	1,050.6	1,151.1	1.34	-0.92	1.95
3,302.0	29.10	116.40	3,015.7	-489.0	1,089.0	1,193.7	0.91	-0.46	1.61
3,390.0	28.10	114.00	3,092.9	-506.9	1,127.1	1,235.8	1.73	-1.14	-2.73
3,477.0	28.00	113.80	3,169.7	-523.5	1,164.5	1,276.7	0.16	-0.11	-0.23
3,564.0	28.00	115.60	3,246.5	-540.6	1,201.6	1,317.5	0.97	0.00	2.07
3,652.0	28.40	118.70	3,324.1	-559.6	1,238.6	1,359.0	1.73	0.45	3.52
3,739.0	29.50	117.50	3,400.2	-579.4	1,275.7	1,401.0	1.43	1.26	-1.38
3,826.0	28.10	115.90	3,476.5	-598.2	1,313.2	1,442.8	1.84	-1.61	-1.84
3,913.0	29.20	115.90	3,552.8	-616.5	1,350.7	1,484.5	1.26	1.26	0.00
4,001.0	29.50	115.60	3,629.5	-635.2	1,389.5	1,527.6	0.38	0.34	-0.34
4,088.0	29.30	115.00	3,705.3	-653.4	1,428.1	1,570.3	0.41	-0.23	-0.69
4,176.0	26.50	116.30	3,783.1	-671.2	1,465.3	1,611.4	3.26	-3.18	1.48
4,263.0	26.40	112.80	3,861.0	-687.3	1,500.5	1,650.1	1.80	-0.11	-4.02
4,350.0	25.30	114.50	3,939.3	-702.5	1,535.3	1,688.1	1.52	-1.26	1.95
4,438.0	27.80	115.80	4,018.0	-719.3	1,570.8	1,727.4	2.92	2.84	1.48
4,525.0	28.70	117.30	4,094.6	-737.7	1,607.7	1,768.5	1.32	1.03	1.72
4,612.0	26.70	114.90	4,171.6	-755.5	1,644.0	1,808.9	2.63	-2.30	-2.76
4,699.0	26.90	113.30	4,249.3	-771.5	1,679.8	1,848.1	0.86	0.23	-1.84
4,786.0	25.60	110.50	4,327.3	-785.9	1,715.5	1,886.6	2.06	-1.49	-3.22
4,874.0	25.80	115.60	4,406.6	-800.8	1,750.5	1,924.7	2.52	0.23	5.80
4,961.0	25.30	116.10	4,485.1	-817.2	1,784.3	1,962.2	0.63	-0.57	0.57
5,048.0	22.80	113.30	4,564.6	-832.0	1,816.5	1,997.6	3.16	-2.87	-3.22
5,136.0	20.50	113.60	4,646.4	-844.9	1,846.3	2,030.1	2.62	-2.61	0.34
5,223.0	21.70	117.30	4,727.5	-858.4	1,874.5	2,061.4	2.06	1.38	4.25
5,310.0	22.50	118.90	4,808.1	-873.8	1,903.4	2,094.0	1.15	0.92	1.84
5,398.0	22.40	119.10	4,889.5	-890.1	1,932.8	2,127.4	0.14	-0.11	0.23
5,485.0	20.10	117.00	4,970.5	-905.0	1,960.6	2,158.9	2.78	-2.64	-2.41
5,572.0	19.20	112.60	5,052.5	-917.3	1,987.1	2,188.1	1.99	-1.03	-5.06
5,659.0	16.30	109.80	5,135.3	-926.9	2,011.8	2,214.6	3.47	-3.33	-3.22
5,747.0	14.30	110.30	5,220.2	-934.9	2,033.6	2,237.8	2.28	-2.27	0.57
5,834.0	15.20	106.60	5,304.3	-941.8	2,054.7	2,259.8	1.50	1.03	-4.25

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 4-2-29
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 4-2-29	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)
5,921.0	13.00	105.90	5,388.7	-947.8	2,075.0	2,280.8	2.54	-2.53	-0.80
6,009.0	11.40	101.70	5,474.7	-952.3	2,093.0	2,299.2	2.08	-1.82	-4.77
6,096.0	9.00	100.50	5,560.3	-955.2	2,108.1	2,314.2	2.77	-2.76	-1.38
6,183.0	6.10	95.20	5,646.6	-956.9	2,119.4	2,325.2	3.42	-3.33	-6.09
6,271.0	4.10	84.80	5,734.2	-957.0	2,127.2	2,332.4	2.49	-2.27	-11.82
6,358.0	2.20	73.90	5,821.1	-956.3	2,131.9	2,336.4	2.28	-2.18	-12.53
6,445.0	1.80	41.90	5,908.0	-954.8	2,134.5	2,338.2	1.34	-0.46	-36.78
6,532.0	1.10	5.50	5,995.0	-953.0	2,135.4	2,338.3	1.29	-0.80	-41.84
6,537.4	1.10	4.39	6,000.5	-952.9	2,135.5	2,338.3	0.40	-0.06	-20.45
PERMIT TARGET BHL 1350'FNL, 2590'FWL - DRILL TARGET BHL 1350'FNL, 2555'FWL									
6,620.0	1.10	347.10	6,083.0	-951.3	2,135.3	2,337.6	0.40	0.00	-20.94
6,794.0	1.20	336.00	6,257.0	-948.0	2,134.2	2,335.2	0.14	0.06	-6.38
6,969.0	0.70	348.80	6,431.9	-945.3	2,133.3	2,333.3	0.31	-0.29	7.31
7,144.0	1.20	8.70	6,606.9	-942.4	2,133.3	2,332.2	0.34	0.29	11.37
7,318.0	1.40	11.90	6,780.9	-938.5	2,134.1	2,331.3	0.12	0.11	1.84
7,493.0	1.40	9.40	6,955.8	-934.3	2,134.8	2,330.4	0.03	0.00	-1.43
7,667.0	1.90	357.80	7,129.8	-929.4	2,135.1	2,328.6	0.34	0.29	-6.67
7,842.0	4.40	322.10	7,304.5	-921.2	2,130.8	2,321.4	1.75	1.43	-20.40
8,017.0	4.40	318.90	7,479.0	-910.8	2,122.3	2,309.5	0.14	0.00	-1.83
8,043.6	4.14	320.32	7,505.5	-909.3	2,121.0	2,307.7	1.04	-0.96	5.35
TARGET CIRCLE 1350'FNL & 2555'FWL									
8,191.0	2.80	332.80	7,652.6	-902.0	2,116.0	2,300.1	1.04	-0.91	8.46
8,366.0	1.20	0.10	7,827.5	-896.4	2,114.0	2,296.1	1.04	-0.91	15.60
8,540.0	1.10	2.20	8,001.5	-892.9	2,114.1	2,294.8	0.06	-0.06	1.21
8,715.0	1.40	346.20	8,176.4	-889.1	2,113.6	2,292.9	0.26	0.17	-9.14
8,890.0	1.70	344.60	8,351.4	-884.5	2,112.4	2,290.0	0.17	0.17	-0.91
8,960.0	1.30	340.20	8,421.4	-882.8	2,111.9	2,288.8	0.59	-0.57	-6.29
9,010.0	1.30	340.20	8,471.3	-881.7	2,111.5	2,288.0	0.00	0.00	0.00
HARD LINES 75'E OF DRILL TARGET BHL									

Checked By: _____	Approved By: _____	Date: _____
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