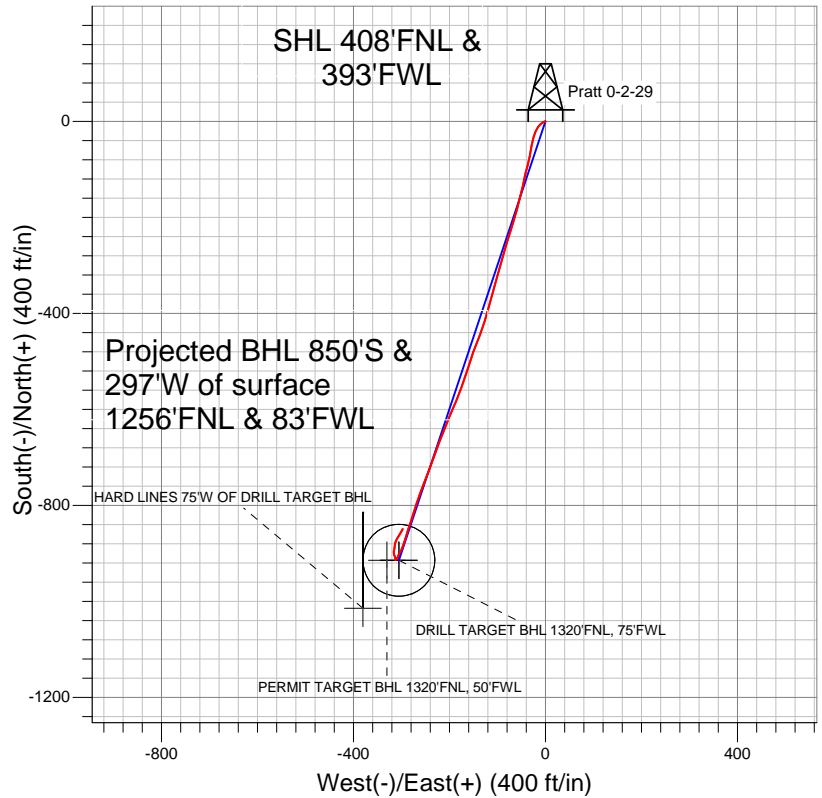


Well Name: Pratt 0-2-29

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	1253437.94	3130029.45	40.028140	-105.035670	
Original Well Elev		WELL @ 5129.0ft (Original Well Elev)				

EnCana Oil & Gas Weld County CO

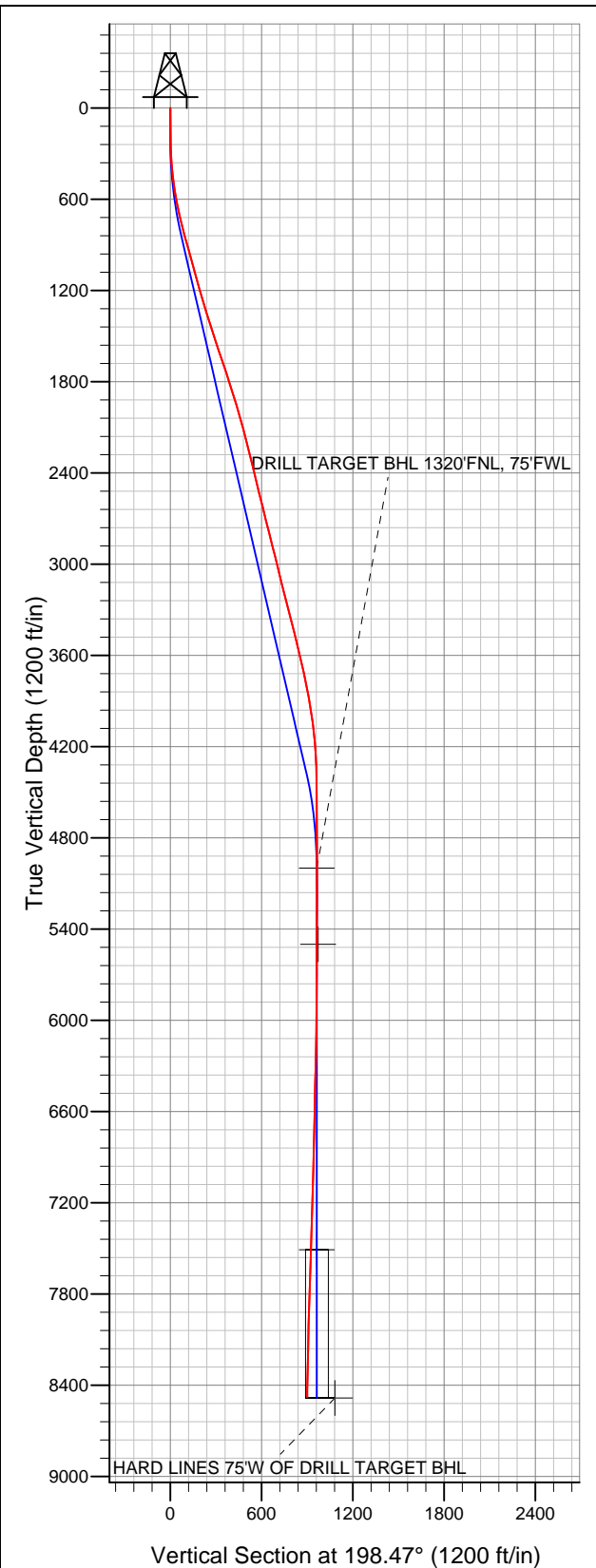


- LEGEND**
- Wellbore #1
 - Pratt 0-2-29, Wellbore #1, Plan #1 (4-24-12) R V0
 - Survey #1

Final Survey Plot

Projected Final Survey -
8600'MD & 8477'TVD @ 901'VS
1.10 deg Inc 22.70 deg AZ

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





EnCana Oil & Gas Weld County CO

SEC.29-T1N-R68W

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

Pratt 0-2-29

Wellbore #1

Survey: Survey #1

Standard Survey Report

08 May, 2012

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 0-2-29
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 0-2-29	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 0-2-29					
Well Position	+N/-S	0.0 ft	Northing:	1,253,437.94 ft	Latitude:	40.028140
	+E/-W	0.0 ft	Easting:	3,130,029.45 ft	Longitude:	-105.035670
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	4/24/2012	8.86	66.68	52,813

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	198.47	

Survey Program		Date	5/8/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
41.0	8,600.0	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)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	41.0	1.00	249.30	41.0	-0.1	-0.3	0.2	2.44	2.44	0.00
	133.0	1.10	252.50	133.0	-0.7	-1.9	1.3	0.13	0.11	3.48
	224.0	2.00	249.20	223.9	-1.5	-4.2	2.8	0.99	0.99	-3.63
	315.0	3.60	232.30	314.8	-3.8	-8.0	6.1	1.96	1.76	-18.57
	407.0	5.60	222.80	406.5	-8.9	-13.3	12.6	2.32	2.17	-10.33
	499.0	7.50	205.90	497.9	-17.6	-19.0	22.7	2.92	2.07	-18.37
	591.0	10.00	197.80	588.9	-30.6	-24.1	36.6	3.02	2.72	-8.80
	682.0	12.50	191.00	678.1	-47.8	-28.4	54.3	3.11	2.75	-7.47
	774.0	14.80	190.80	767.5	-69.1	-32.5	75.8	2.50	2.50	-0.22
	866.0	15.80	193.60	856.3	-92.8	-37.6	99.9	1.35	1.09	3.04
	930.0	15.00	195.00	918.0	-109.3	-41.8	116.9	1.38	-1.25	2.19
	959.0	16.30	191.70	945.9	-116.9	-43.6	124.7	5.43	4.48	-11.38

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 0-2-29
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 0-2-29	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)	
1,046.0	15.40	192.60	1,029.6	-140.1	-48.6	148.3	1.07	-1.03	1.03	
1,133.0	15.00	194.30	1,113.5	-162.3	-53.9	171.0	0.69	-0.46	1.95	
1,221.0	16.10	195.70	1,198.3	-185.1	-60.0	194.6	1.32	1.25	1.59	
1,308.0	16.50	196.60	1,281.8	-208.5	-66.8	219.0	0.54	0.46	1.03	
1,395.0	17.00	196.90	1,365.1	-232.5	-74.0	244.0	0.58	0.57	0.34	
1,483.0	17.90	197.30	1,449.1	-257.8	-81.8	270.4	1.03	1.02	0.45	
1,570.0	18.30	196.40	1,531.8	-283.6	-89.6	297.4	0.56	0.46	-1.03	
1,657.0	18.80	195.70	1,614.2	-310.2	-97.3	325.1	0.63	0.57	-0.80	
1,745.0	19.10	194.00	1,697.5	-337.9	-104.6	353.6	0.71	0.34	-1.93	
1,832.0	17.90	196.60	1,780.0	-364.5	-111.9	381.1	1.67	-1.38	2.99	
1,919.0	17.10	195.40	1,862.9	-389.6	-119.1	407.3	1.01	-0.92	-1.38	
2,006.0	17.00	196.80	1,946.1	-414.1	-126.1	432.8	0.49	-0.11	1.61	
2,094.0	16.00	199.80	2,030.5	-437.9	-134.0	457.7	1.49	-1.14	3.41	
2,181.0	15.00	202.00	2,114.3	-459.6	-142.3	481.0	1.33	-1.15	2.53	
2,268.0	14.30	200.80	2,198.5	-480.1	-150.3	502.9	0.88	-0.80	-1.38	
2,356.0	13.80	198.00	2,283.9	-500.2	-157.4	524.3	0.96	-0.57	-3.18	
2,443.0	13.80	196.20	2,368.4	-520.0	-163.5	545.0	0.49	0.00	-2.07	
2,530.0	13.60	198.90	2,452.9	-539.7	-169.7	565.6	0.77	-0.23	3.10	
2,618.0	13.60	202.20	2,538.4	-559.0	-177.0	586.3	0.88	0.00	3.75	
2,705.0	14.20	202.70	2,622.9	-578.4	-184.9	607.2	0.70	0.69	0.57	
2,792.0	13.80	201.50	2,707.3	-597.9	-192.9	628.2	0.57	-0.46	-1.38	
2,879.0	14.40	203.40	2,791.7	-617.4	-201.0	649.3	0.87	0.69	2.18	
2,967.0	14.20	201.20	2,876.9	-637.5	-209.2	671.0	0.66	-0.23	-2.50	
3,054.0	14.40	202.20	2,961.2	-657.5	-217.2	692.4	0.37	0.23	1.15	
3,141.0	14.00	199.40	3,045.6	-677.5	-224.7	713.8	0.91	-0.46	-3.22	
3,229.0	14.00	199.80	3,131.0	-697.5	-231.9	735.0	0.11	0.00	0.45	
3,316.0	13.80	201.00	3,215.4	-717.1	-239.2	755.9	0.40	-0.23	1.38	
3,403.0	14.20	200.80	3,299.8	-736.8	-246.7	777.0	0.46	0.46	-0.23	
3,491.0	14.40	200.60	3,385.1	-757.1	-254.4	798.7	0.23	0.23	-0.23	
3,578.0	14.00	200.10	3,469.5	-777.1	-261.8	820.0	0.48	-0.46	-0.57	
3,665.0	13.50	199.20	3,554.0	-796.6	-268.7	840.7	0.63	-0.57	-1.03	
3,752.0	12.80	197.30	3,638.7	-815.4	-274.9	860.5	0.95	-0.80	-2.18	
3,840.0	12.00	197.10	3,724.6	-833.4	-280.5	879.4	0.91	-0.91	-0.23	
3,927.0	11.50	197.60	3,809.8	-850.3	-285.8	897.1	0.59	-0.57	0.57	
4,014.0	10.60	198.40	3,895.2	-866.2	-291.0	913.8	1.05	-1.03	0.92	
4,102.0	8.80	198.20	3,981.9	-880.3	-295.6	928.6	2.05	-2.05	-0.23	
4,189.0	7.00	204.20	4,068.1	-891.4	-299.9	940.5	2.27	-2.07	6.90	
4,276.0	5.10	210.70	4,154.6	-899.6	-304.0	949.6	2.32	-2.18	7.47	
4,364.0	3.70	200.10	4,242.4	-905.6	-307.0	956.2	1.83	-1.59	-12.05	
4,451.0	1.30	198.70	4,329.3	-909.2	-308.3	960.0	2.76	-2.76	-1.61	
4,538.0	0.70	201.30	4,416.3	-910.6	-308.8	961.5	0.69	-0.69	2.99	
4,625.0	0.40	217.30	4,503.3	-911.4	-309.2	962.4	0.38	-0.34	18.39	
4,800.0	0.40	240.20	4,678.2	-912.1	-310.1	963.4	0.09	0.00	13.09	
4,975.0	0.30	233.90	4,853.2	-912.7	-311.0	964.2	0.06	-0.06	-3.60	
5,121.7	0.38	243.38	5,000.0	-913.2	-311.7	964.9	0.07	0.06	6.46	
DRILL TARGET BHL 1320'FNL, 75'FWL										
5,149.0	0.40	244.70	5,027.2	-913.2	-311.9	965.0	0.07	0.06	4.83	
5,324.0	0.50	271.60	5,202.2	-913.5	-313.2	965.7	0.13	0.06	15.37	
5,498.0	0.40	30.10	5,376.2	-912.9	-313.6	965.3	0.45	-0.06	68.10	
5,621.7	0.40	30.10	5,499.9	-912.2	-313.2	964.4	0.00	0.00	0.00	
PERMIT TARGET BHL 1320'FNL, 50'FWL										
5,673.0	0.40	30.10	5,551.2	-911.9	-313.0	964.1	0.00	0.00	0.00	
5,848.0	0.50	53.00	5,726.2	-910.9	-312.1	962.9	0.12	0.06	13.09	
6,022.0	0.70	326.50	5,900.2	-909.6	-312.1	961.6	0.48	0.11	-49.71	

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 0-2-29
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Site:	Pratt 0-2-29 Pad Sec.29-T1N-R68W	MD Reference:	WELL @ 5129.0ft (Original Well Elev)
Well:	Pratt 0-2-29	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)
6,197.0	1.00	324.40	6,075.2	-907.4	-313.6	960.0	0.17	0.17	-1.20
6,371.0	1.50	341.30	6,249.2	-904.0	-315.2	957.3	0.35	0.29	9.71
6,546.0	1.40	355.90	6,424.1	-899.7	-316.1	953.5	0.22	-0.06	8.34
6,721.0	1.30	10.60	6,599.1	-895.6	-315.9	949.6	0.21	-0.06	8.40
6,895.0	1.30	13.40	6,773.0	-891.8	-315.0	945.7	0.04	0.00	1.61
7,070.0	1.40	9.00	6,948.0	-887.7	-314.3	941.6	0.08	0.06	-2.51
7,244.0	1.60	2.50	7,121.9	-883.2	-313.8	937.1	0.15	0.11	-3.74
7,419.0	1.80	11.30	7,296.8	-878.1	-313.2	932.1	0.19	0.11	5.03
7,594.0	1.90	29.40	7,471.7	-872.9	-311.2	926.5	0.34	0.06	10.34
7,630.1	1.92	29.83	7,507.8	-871.8	-310.6	925.3	0.07	0.06	1.20
TARGET CIRCLE 1320'FNL & 75'FWL									
7,768.0	2.00	31.40	7,645.6	-867.7	-308.2	920.7	0.07	0.06	1.14
7,943.0	1.80	30.10	7,820.5	-862.8	-305.2	915.0	0.12	-0.11	-0.74
8,117.0	1.50	31.00	7,994.5	-858.4	-302.7	910.1	0.17	-0.17	0.52
8,292.0	1.30	30.70	8,169.4	-854.8	-300.5	905.9	0.11	-0.11	-0.17
8,467.0	1.10	30.00	8,344.4	-851.6	-298.6	902.4	0.11	-0.11	-0.40
8,550.0	1.10	22.70	8,427.4	-850.2	-297.9	900.8	0.17	0.00	-8.80
8,600.0	1.10	22.70	8,477.3	-849.3	-297.6	899.8	0.00	0.00	0.00
HARD LINES 75'W OF DRILL TARGET BHL									

Checked By: _____	Approved By: _____	Date: _____
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