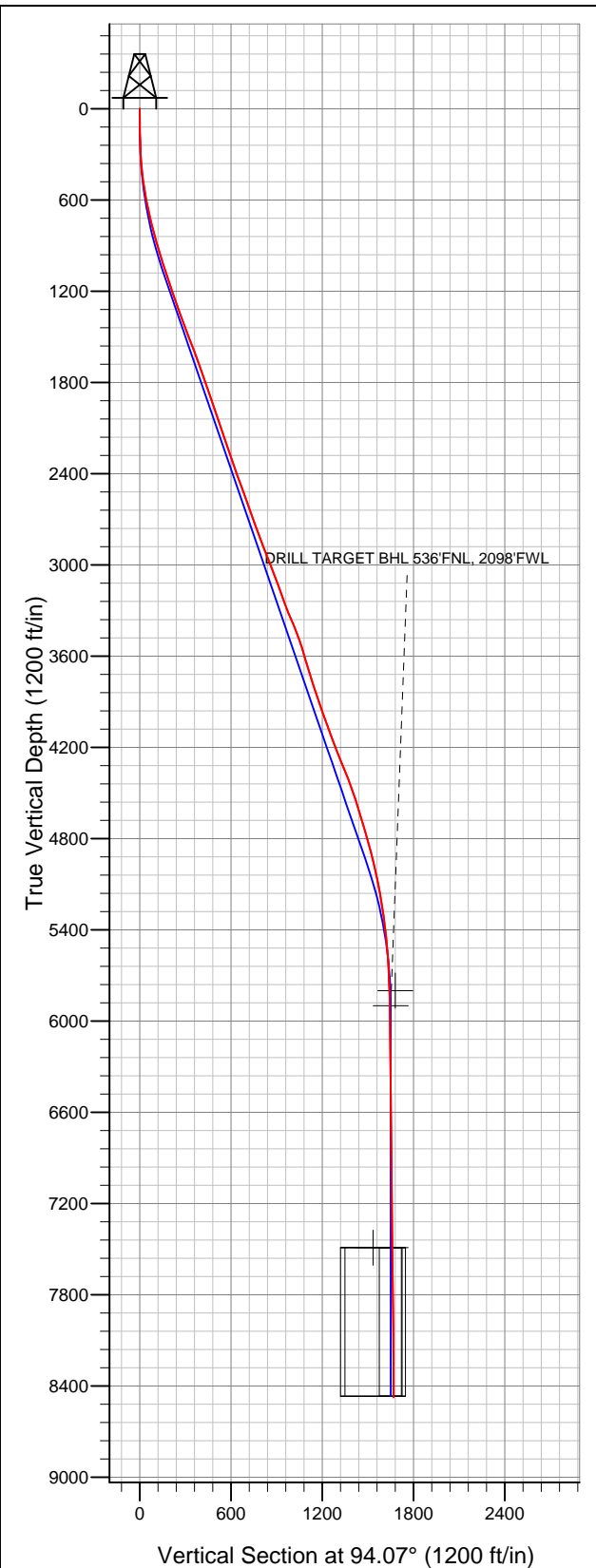


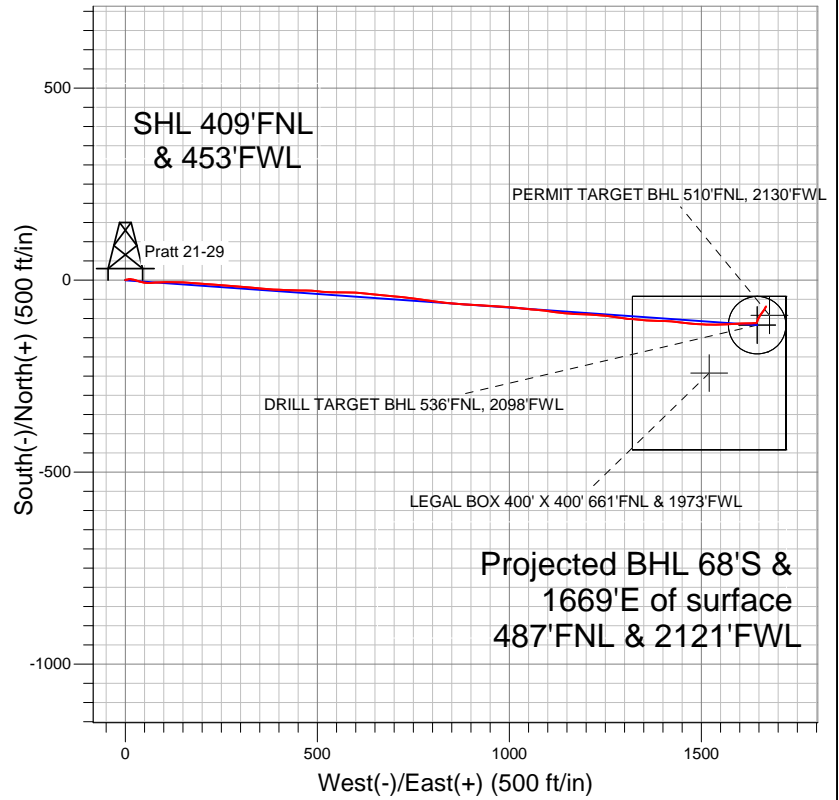
Well Name: Pratt 21-29

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 1253434.61	Easting 3130088.27	Latitude 40.028130	Longitude -105.035460	Slot
		Original Well Elev	WELL @ 5129.0ft (Original Well Elev)			



EnCana Oil & Gas Weld County CO



LEGEND

- Survey #1
- Pratt 21-29, Wellbore #1, Plan #1 (1-04-12) V0
- Wellbore #1

Final Survey Plot

Projected Final Survey -
8740'MD & 8475'TVD @ 1669'VS
0.50 deg Inc 30.10 deg AZ

Project: SEC.29-T1N-R68W
Site: Pratt 0-2-29 Pad Sec.29-T1N-R68W
Well: Pratt 21-29
Plan: Wellbore #1



EnCana Oil & Gas Weld County CO

SEC.29-T1N-R68W

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

Pratt 21-29

Wellbore #1

Survey: Survey #1

Standard Survey Report

02 April, 2012

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 21-29
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 21-29	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 21-29					
Well Position	+N/-S	0.0 ft	Northing:	1,253,434.61 ft	Latitude:	40.028130
	+E/-W	0.0 ft	Easting:	3,130,088.27 ft	Longitude:	-105.035460
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,116.0 ft

Wellbore #1					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	1/13/2012	8.90	66.68	52,842

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 (°)	
	5,900.0	0.0	0.0	94.07	

Survey Program		Date	4/2/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
163.0	8,740.0	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	
163.0	1.00	63.00	163.0	0.6	1.3	1.2	0.61	0.61	0.00	
254.0	2.30	72.70	254.0	1.5	3.7	3.6	1.46	1.43	10.66	
345.0	4.30	79.00	344.8	2.7	8.8	8.6	2.23	2.20	6.92	
437.0	6.30	101.30	436.4	2.4	17.1	16.9	3.08	2.17	24.24	
529.0	9.20	107.00	527.6	-0.7	29.1	29.1	3.26	3.15	6.20	
621.0	11.60	104.10	618.0	-5.1	45.1	45.4	2.67	2.61	-3.15	
712.0	13.20	89.00	706.9	-7.2	64.4	64.8	3.96	1.76	-16.59	
804.0	14.90	85.20	796.2	-6.0	86.7	86.9	2.10	1.85	-4.13	
867.0	16.40	87.40	856.8	-4.9	103.7	103.7	2.56	2.38	3.49	
931.0	17.00	92.00	918.2	-4.8	122.0	122.1	2.27	0.94	7.19	
946.0	17.50	91.30	932.5	-5.0	126.5	126.5	3.61	3.33	-4.67	
1,033.0	16.80	92.40	1,015.6	-5.8	152.1	152.1	0.89	-0.80	1.26	

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 21-29
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 21-29	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	17.30	93.20	1,098.8	-7.0	177.6	177.6	0.63	0.57	0.92	
1,208.0	18.90	95.90	1,182.4	-9.2	204.8	205.0	2.05	1.82	3.07	
1,295.0	19.40	94.10	1,264.6	-11.7	233.3	233.5	0.89	0.57	-2.07	
1,382.0	20.60	93.40	1,346.4	-13.7	263.0	263.3	1.41	1.38	-0.80	
1,469.0	20.80	95.90	1,427.8	-16.2	293.6	294.0	1.04	0.23	2.87	
1,557.0	20.80	94.30	1,510.0	-18.9	324.7	325.3	0.65	0.00	-1.82	
1,644.0	20.20	95.90	1,591.5	-21.6	355.1	355.7	0.94	-0.69	1.84	
1,731.0	20.60	93.10	1,673.1	-24.0	385.3	386.0	1.21	0.46	-3.22	
1,819.0	19.30	91.70	1,755.8	-25.3	415.3	416.0	1.57	-1.48	-1.59	
1,906.0	17.90	92.00	1,838.2	-26.2	443.0	443.8	1.61	-1.61	0.34	
1,993.0	18.90	90.30	1,920.8	-26.7	470.5	471.2	1.30	1.15	-1.95	
2,081.0	19.10	95.90	2,004.0	-28.3	499.1	499.8	2.08	0.23	6.36	
2,168.0	19.70	94.30	2,086.1	-30.8	527.8	528.7	0.92	0.69	-1.84	
2,255.0	18.80	89.90	2,168.2	-31.9	556.5	557.3	1.96	-1.03	-5.06	
2,342.0	18.80	90.40	2,250.5	-32.0	584.5	585.3	0.19	0.00	0.57	
2,430.0	19.50	94.80	2,333.7	-33.3	613.3	614.2	1.82	0.80	5.00	
2,517.0	19.50	96.80	2,415.7	-36.2	642.2	643.2	0.77	0.00	2.30	
2,604.0	20.10	95.70	2,497.6	-39.4	671.5	672.6	0.81	0.69	-1.26	
2,692.0	19.70	94.10	2,580.3	-42.0	701.4	702.6	0.77	-0.45	-1.82	
2,779.0	19.40	96.80	2,662.3	-44.8	730.3	731.7	1.09	-0.34	3.10	
2,866.0	19.80	98.30	2,744.2	-48.6	759.3	760.8	0.74	0.46	1.72	
2,954.0	21.00	98.20	2,826.7	-53.0	789.6	791.4	1.36	1.36	-0.11	
3,041.0	21.40	96.20	2,907.8	-56.9	820.8	822.8	0.95	0.46	-2.30	
3,128.0	21.40	95.40	2,988.8	-60.1	852.4	854.5	0.34	0.00	-0.92	
3,215.0	20.50	93.90	3,070.1	-62.7	883.4	885.6	1.20	-1.03	-1.72	
3,303.0	19.90	93.10	3,152.7	-64.5	913.7	916.0	0.75	-0.68	-0.91	
3,390.0	20.00	93.40	3,234.5	-66.2	943.4	945.7	0.16	0.11	0.34	
3,477.0	22.20	94.10	3,315.6	-68.3	974.6	977.0	2.55	2.53	0.80	
3,565.0	23.00	94.50	3,396.9	-70.8	1,008.3	1,010.8	0.93	0.91	0.45	
3,652.0	20.50	97.10	3,477.7	-74.0	1,040.4	1,043.0	3.08	-2.87	2.99	
3,739.0	16.70	93.40	3,560.1	-76.7	1,068.0	1,070.8	4.57	-4.37	-4.25	
3,827.0	16.90	97.80	3,644.3	-79.1	1,093.3	1,096.2	1.46	0.23	5.00	
3,914.0	16.40	98.00	3,727.7	-82.6	1,118.0	1,121.0	0.58	-0.57	0.23	
4,001.0	18.20	96.20	3,810.8	-85.7	1,143.7	1,146.9	2.16	2.07	-2.07	
4,088.0	18.90	91.30	3,893.2	-87.5	1,171.3	1,174.5	1.96	0.80	-5.63	
4,176.0	20.00	93.80	3,976.2	-88.9	1,200.5	1,203.8	1.57	1.25	2.84	
4,263.0	20.50	93.20	4,057.8	-90.7	1,230.6	1,233.9	0.62	0.57	-0.69	
4,350.0	20.00	97.60	4,139.5	-93.5	1,260.6	1,264.0	1.84	-0.57	5.06	
4,438.0	21.50	98.70	4,221.8	-97.9	1,291.4	1,295.1	1.76	1.70	1.25	
4,525.0	22.30	93.80	4,302.5	-101.4	1,323.6	1,327.5	2.29	0.92	-5.63	
4,612.0	20.80	95.50	4,383.4	-104.0	1,355.5	1,359.5	1.87	-1.72	1.95	
4,700.0	20.50	90.60	4,465.8	-105.7	1,386.5	1,390.5	1.99	-0.34	-5.57	
4,787.0	18.60	93.10	4,547.7	-106.6	1,415.5	1,419.5	2.39	-2.18	2.87	
4,874.0	15.90	98.50	4,630.8	-109.1	1,441.2	1,445.3	3.61	-3.10	6.21	
4,961.0	16.90	95.40	4,714.3	-112.1	1,465.6	1,469.8	1.53	1.15	-3.56	
5,049.0	15.70	94.10	4,798.7	-114.1	1,490.2	1,494.5	1.43	-1.36	-1.48	
5,136.0	14.90	90.80	4,882.7	-115.1	1,513.1	1,517.5	1.36	-0.92	-3.79	
5,223.0	13.10	88.90	4,967.1	-115.1	1,534.2	1,538.5	2.14	-2.07	-2.18	
5,311.0	12.30	90.80	5,052.9	-115.0	1,553.5	1,557.7	1.03	-0.91	2.16	
5,398.0	10.50	86.90	5,138.2	-114.7	1,570.7	1,574.9	2.25	-2.07	-4.48	
5,485.0	9.10	83.90	5,223.9	-113.6	1,585.4	1,589.5	1.71	-1.61	-3.45	
5,573.0	8.10	88.90	5,310.9	-112.7	1,598.6	1,602.5	1.42	-1.14	5.68	
5,660.0	7.10	89.70	5,397.2	-112.5	1,610.1	1,614.0	1.16	-1.15	0.92	
5,747.0	5.40	89.70	5,483.7	-112.5	1,619.5	1,623.4	1.95	-1.95	0.00	

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Pratt 21-29
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 21-29	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)	
5,834.0	3.90	88.50	5,570.4	-112.4	1,626.6	1,630.5	1.73	-1.72	-1.38	
5,922.0	2.90	82.70	5,658.2	-112.0	1,631.8	1,635.6	1.20	-1.14	-6.59	
6,009.0	2.40	85.70	5,745.1	-111.6	1,635.8	1,639.6	0.60	-0.57	3.45	
6,065.3	1.87	93.51	5,801.4	-111.6	1,637.9	1,641.7	1.07	-0.94	13.88	
PERMIT TARGET BHL 510'FNL, 2130'FWL										
6,096.0	1.60	99.90	5,832.1	-111.7	1,638.8	1,642.6	1.07	-0.87	20.79	
6,164.1	1.44	91.05	5,900.1	-111.9	1,640.6	1,644.4	0.42	-0.24	-13.00	
DRILL TARGET BHL 536'FNL, 2098'FWL										
6,184.0	1.40	88.10	5,920.0	-111.9	1,641.1	1,644.9	0.42	-0.20	-14.81	
6,358.0	1.00	42.30	6,094.0	-110.7	1,644.2	1,647.9	0.58	-0.23	-26.32	
6,533.0	1.10	11.00	6,269.0	-107.9	1,645.6	1,649.1	0.33	0.06	-17.89	
6,707.0	1.10	21.40	6,442.9	-104.7	1,646.5	1,649.8	0.11	0.00	5.98	
6,882.0	0.90	22.10	6,617.9	-101.9	1,647.6	1,650.7	0.11	-0.11	0.40	
7,057.0	1.10	36.60	6,792.9	-99.2	1,649.2	1,652.0	0.18	0.11	8.29	
7,231.0	1.60	19.40	6,966.8	-95.6	1,651.0	1,653.6	0.37	0.29	-9.89	
7,406.0	1.60	31.90	7,141.8	-91.2	1,653.1	1,655.4	0.20	0.00	7.14	
7,580.0	1.90	41.60	7,315.7	-87.0	1,656.3	1,658.3	0.24	0.17	5.57	
7,748.9	1.61	34.50	7,484.6	-83.0	1,659.5	1,661.2	0.21	-0.17	-4.20	
LEGAL BOX 400' X 400' 661'FNL & 1973'FWL										
7,754.3	1.60	34.23	7,489.9	-82.8	1,659.5	1,661.2	0.21	-0.16	-4.97	
TARGET CIRCLE 536'FNL, 2098'FWL										
7,755.0	1.60	34.20	7,490.6	-82.8	1,659.6	1,661.3	0.21	-0.16	-5.00	
7,930.0	1.10	38.80	7,665.6	-79.5	1,662.0	1,663.4	0.29	-0.29	2.63	
8,104.0	1.10	30.00	7,839.5	-76.7	1,663.9	1,665.1	0.10	0.00	-5.06	
8,279.0	1.00	31.20	8,014.5	-74.0	1,665.5	1,666.5	0.06	-0.06	0.69	
8,453.0	1.10	33.70	8,188.5	-71.3	1,667.2	1,668.1	0.06	0.06	1.44	
8,628.0	0.40	356.90	8,363.5	-69.3	1,668.1	1,668.8	0.47	-0.40	-21.03	
8,690.0	0.50	30.10	8,425.5	-68.8	1,668.2	1,668.9	0.44	0.16	53.55	
8,740.0	0.50	30.10	8,475.5	-68.5	1,668.4	1,669.1	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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