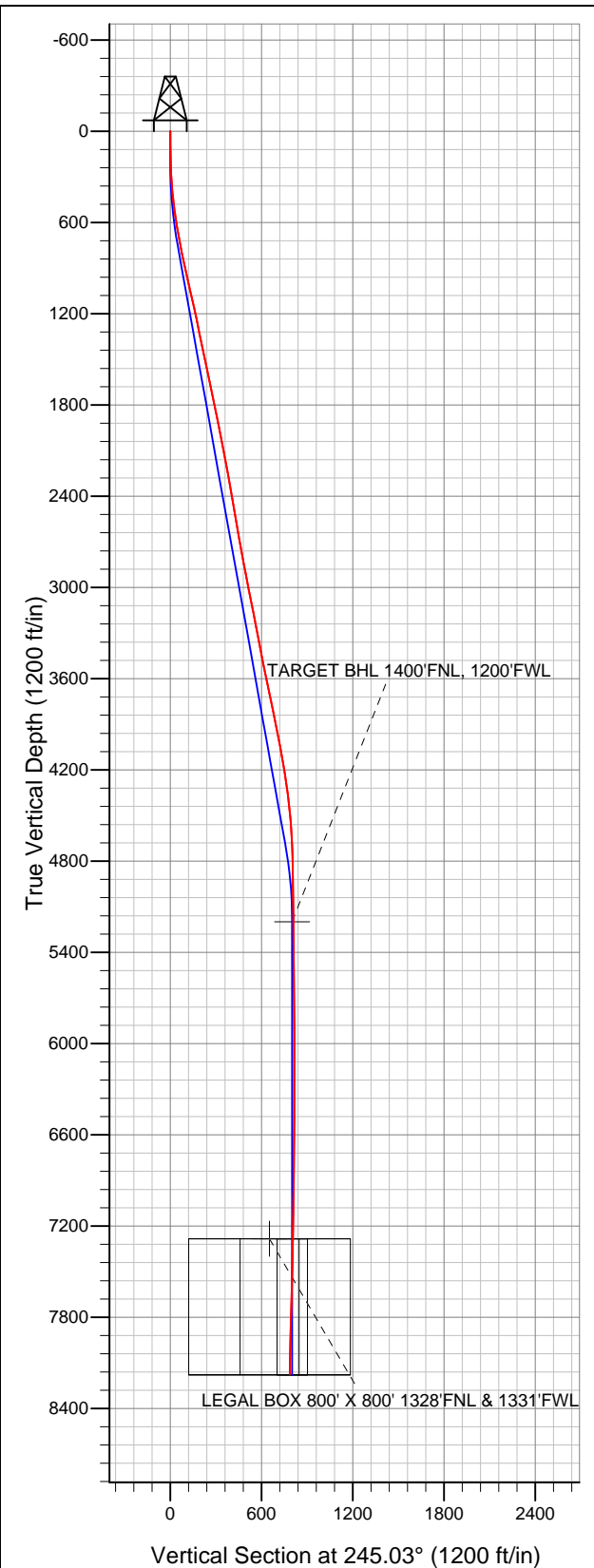


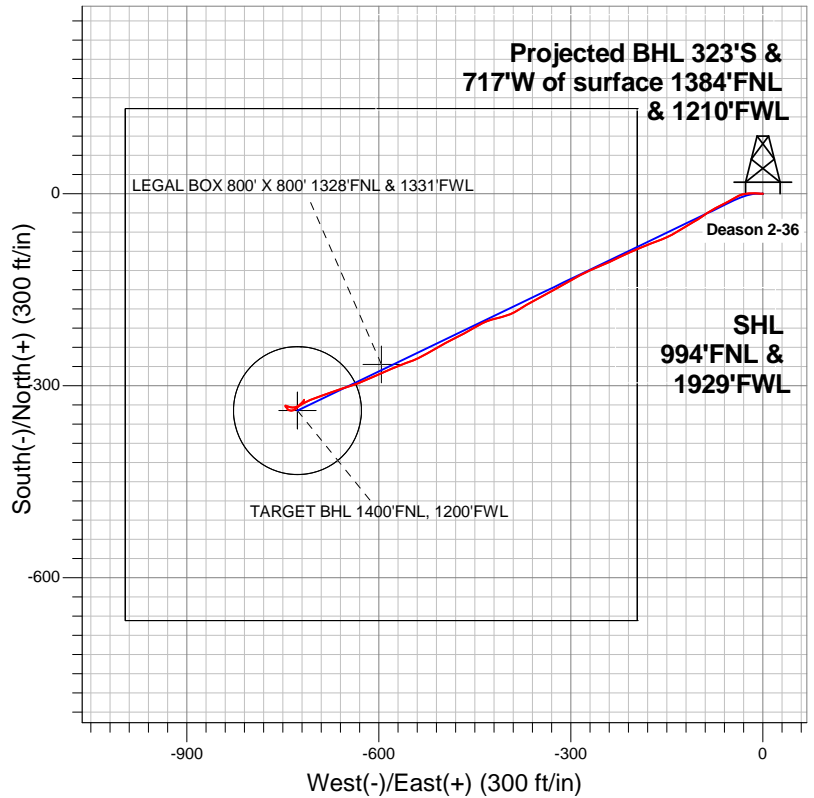
Well Name: Deason 2-36

Surface Location: Deason 2-36 Pad Sec.36-T2N-R69W
North American Datum 1983 US State Plane 1983Colorado Northern Zone
Ground Elevation: 5016.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1279620.53	3121002.02	40.100140	-105.067450	
Original Well Elev		WELL @ 5029.0ft (Original Well Elev)				



EnCana Oil & Gas Boulder County, CO



LEGEND

- Wellbore #1
- Deason 2-36, Wellbore #1, Plan #1 (8-30-12)R V0
- Survey #1

Final Survey Plot

Projected Final Survey -
8250'MD & 8174'TVD @ 786'VS
1.20 deg Inc 31.40 deg AZ

Project: SEC.36-T2N-R69W
Site: Deason 2-36 Pad Sec.36-T2N-R69W
Well: Deason 2-36
Plan: Wellbore #1



EnCana Oil & Gas Boulder County, CO

SEC.36-T2N-R69W

Deason 2-36 Pad Sec.36-T2N-R69W

Deason 2-36

Wellbore #1

Survey: Survey #1

Standard Survey Report

07 September, 2012

Company:	EnCana Oil & Gas Boulder County, CO	Local Co-ordinate Reference:	Well Deason 2-36
Project:	SEC.36-T2N-R69W	TVD Reference:	WELL @ 5029.0ft (Original Well Elev)
Site:	Deason 2-36 Pad Sec.36-T2N-R69W	MD Reference:	WELL @ 5029.0ft (Original Well Elev)
Well:	Deason 2-36	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.36-T2N-R69W, Boulder 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		Deason 2-36 Pad Sec.36-T2N-R69W			
Site Position:		Northing:	1,279,620.53ft	Latitude:	40.100140
From:	Lat/Long	Easting:	3,121,002.02ft	Longitude:	-105.067450
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.28 °

Well	Deason 2-36					
Well Position	+N/-S	0.0 ft	Northing:	1,279,620.53 ft	Latitude:	40.100140
	+E/-W	0.0 ft	Easting:	3,121,002.02 ft	Longitude:	-105.067450
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,016.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/30/2012	8.84	66.72	52,812

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 (°)
	0.0	0.0	0.0	245.03

Survey Program		Date	9/7/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
78.0	8,250.0	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
	78.0	0.70	271.10	78.0	0.0	-0.5	0.4	0.90	0.90	0.00
	170.0	1.60	270.40	170.0	0.0	-2.3	2.1	0.98	0.98	-0.76
	261.0	2.80	276.00	260.9	0.3	-5.8	5.1	1.34	1.32	6.15
	353.0	4.80	274.10	352.7	0.8	-11.9	10.4	2.18	2.17	-2.07
	445.0	6.60	267.10	444.2	0.8	-21.0	18.7	2.09	1.96	-7.61
	536.0	8.40	254.20	534.5	-1.3	-32.6	30.1	2.70	1.98	-14.18
	628.0	9.40	238.90	625.4	-7.0	-45.5	44.2	2.78	1.09	-16.63
	719.0	10.70	241.80	715.0	-14.8	-59.3	60.0	1.53	1.43	3.19
	753.0	11.40	243.20	748.3	-17.8	-65.1	66.6	2.20	2.06	4.12
	808.0	11.40	243.20	802.3	-22.7	-74.8	77.4	0.00	0.00	0.00
	829.0	12.60	237.50	822.8	-24.9	-78.6	81.8	0.02	5.71	-27.14
	915.0	12.00	236.70	906.8	-34.9	-94.0	99.9	0.73	-0.70	-0.93

Company:	EnCana Oil & Gas Boulder County, CO	Local Co-ordinate Reference:	Well Deason 2-36
Project:	SEC.36-T2N-R69W	TVD Reference:	WELL @ 5029.0ft (Original Well Elev)
Site:	Deason 2-36 Pad Sec.36-T2N-R69W	MD Reference:	WELL @ 5029.0ft (Original Well Elev)
Well:	Deason 2-36	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)
1,001.0	12.80	240.00	990.8	-44.5	-109.7	118.2	1.24	0.93	3.84
1,086.0	12.80	237.70	1,073.7	-54.3	-125.8	137.0	0.60	0.00	-2.71
1,172.0	12.40	241.80	1,157.6	-63.7	-142.0	155.6	1.14	-0.47	4.77
1,257.0	12.10	248.10	1,240.7	-71.4	-158.3	173.6	1.61	-0.35	7.41
1,343.0	12.00	250.50	1,324.8	-77.7	-175.1	191.5	0.59	-0.12	2.79
1,429.0	11.90	246.20	1,409.0	-84.3	-191.6	209.3	1.04	-0.12	-5.00
1,514.0	12.00	245.30	1,492.1	-91.5	-207.7	226.9	0.25	0.12	-1.06
1,600.0	11.90	244.40	1,576.2	-99.1	-223.8	244.7	0.25	-0.12	-1.05
1,685.0	11.70	245.50	1,659.5	-106.4	-239.6	262.1	0.35	-0.24	1.29
1,771.0	11.20	248.10	1,743.7	-113.2	-255.2	279.2	0.84	-0.58	3.02
1,857.0	11.50	244.40	1,828.1	-120.0	-270.7	296.1	0.92	0.35	-4.30
1,942.0	11.60	242.60	1,911.3	-127.6	-286.0	313.1	0.44	0.12	-2.12
2,028.0	11.30	240.40	1,995.6	-135.7	-301.0	330.1	0.62	-0.35	-2.56
2,113.0	11.10	240.90	2,079.0	-143.8	-315.3	346.6	0.26	-0.24	0.59
2,199.0	10.30	241.40	2,163.5	-151.5	-329.3	362.5	0.94	-0.93	0.58
2,285.0	10.60	239.30	2,248.1	-159.2	-342.9	378.0	0.56	0.35	-2.44
2,370.0	9.70	244.90	2,331.8	-166.3	-356.1	393.0	1.57	-1.06	6.59
2,456.0	10.20	239.10	2,416.5	-173.2	-369.2	407.8	1.30	0.58	-6.74
2,541.0	9.90	237.20	2,500.2	-181.1	-381.8	422.5	0.53	-0.35	-2.24
2,627.0	9.70	246.70	2,584.9	-187.9	-394.7	437.1	1.89	-0.23	11.05
2,713.0	10.00	257.20	2,669.6	-192.5	-408.6	451.6	2.11	0.35	12.21
2,798.0	10.60	253.40	2,753.3	-196.3	-423.3	466.6	1.07	0.71	-4.47
2,884.0	10.70	243.50	2,837.8	-202.1	-438.0	482.4	2.13	0.12	-11.51
2,969.0	11.10	239.30	2,921.3	-209.8	-452.1	498.4	1.05	0.47	-4.94
3,055.0	11.30	241.20	3,005.6	-218.1	-466.6	515.1	0.49	0.23	2.21
3,141.0	11.10	245.10	3,090.0	-225.7	-481.5	531.8	0.91	-0.23	4.53
3,226.0	11.10	240.40	3,173.4	-233.2	-496.0	548.1	1.06	0.00	-5.53
3,312.0	11.10	239.70	3,257.8	-241.4	-510.4	564.6	0.16	0.00	-0.81
3,397.0	11.30	241.60	3,341.2	-249.5	-524.8	581.1	0.49	0.24	2.24
3,483.0	10.60	243.30	3,425.6	-257.1	-539.2	597.4	0.90	-0.81	1.98
3,569.0	10.90	250.40	3,510.1	-263.4	-554.0	613.4	1.58	0.35	8.26
3,654.0	11.90	249.00	3,593.4	-269.2	-569.7	630.1	1.22	1.18	-1.65
3,740.0	11.80	248.30	3,677.6	-275.6	-586.2	647.7	0.20	-0.12	-0.81
3,825.0	11.70	244.70	3,760.8	-282.5	-602.0	665.0	0.87	-0.12	-4.24
3,911.0	11.70	243.90	3,845.0	-290.1	-617.8	682.5	0.19	0.00	-0.93
3,997.0	11.40	251.80	3,929.3	-296.6	-633.7	699.6	1.87	-0.35	9.19
4,082.0	11.50	252.30	4,012.6	-301.8	-649.7	716.4	0.17	0.12	0.59
4,168.0	10.20	250.90	4,097.1	-306.9	-665.1	732.5	1.54	-1.51	-1.63
4,253.0	8.80	250.50	4,180.9	-311.5	-678.3	746.4	1.65	-1.65	-0.47
4,339.0	8.40	250.40	4,265.9	-315.8	-690.4	759.2	0.47	-0.47	-0.12
4,425.0	7.50	250.90	4,351.1	-319.8	-701.7	771.1	1.05	-1.05	0.58
4,510.0	7.10	243.30	4,435.4	-323.9	-711.6	781.8	1.23	-0.47	-8.94
4,596.0	5.50	238.40	4,520.9	-328.5	-719.9	791.2	1.96	-1.86	-5.70
4,681.0	3.00	234.70	4,605.7	-331.9	-725.1	797.5	2.96	-2.94	-4.35
4,767.0	2.10	230.90	4,691.6	-334.2	-728.2	801.2	1.06	-1.05	-4.42
4,853.0	1.40	225.20	4,777.5	-335.9	-730.2	803.7	0.84	-0.81	-6.63
4,938.0	1.60	235.60	4,862.5	-337.3	-731.9	805.9	0.40	0.24	12.24
5,024.0	0.60	252.30	4,948.5	-338.1	-733.3	807.5	1.21	-1.16	19.42
5,195.0	0.80	256.20	5,119.5	-338.7	-735.3	809.6	0.12	0.12	2.28
5,275.4	0.88	267.46	5,199.9	-338.9	-736.5	810.7	0.23	0.10	14.01
TARGET BHL 1400'FNL, 1200'FWL									
5,366.0	1.00	277.60	5,290.5	-338.8	-738.0	812.0	0.23	0.13	11.19
5,537.0	0.70	291.50	5,461.4	-338.2	-740.4	814.0	0.21	-0.18	8.13
5,709.0	0.40	294.80	5,633.4	-337.6	-741.9	815.1	0.18	-0.17	1.92

Company:	EnCana Oil & Gas Boulder County, CO	Local Co-ordinate Reference:	Well Deason 2-36
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Site:	Deason 2-36 Pad Sec.36-T2N-R69W	MD Reference:	WELL @ 5029.0ft (Original Well Elev)
Well:	Deason 2-36	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)
5,880.0	0.40	347.90	5,804.4	-336.7	-742.6	815.3	0.21	0.00	31.05
6,051.0	0.50	324.70	5,975.4	-335.5	-743.2	815.3	0.12	0.06	-13.57
6,222.0	0.80	312.60	6,146.4	-334.1	-744.5	815.9	0.19	0.18	-7.08
6,393.0	0.60	327.50	6,317.4	-332.6	-745.8	816.5	0.16	-0.12	8.71
6,565.0	0.40	12.70	6,489.4	-331.2	-746.2	816.2	0.25	-0.12	26.28
6,736.0	0.60	116.40	6,660.4	-331.0	-745.2	815.3	0.47	0.12	60.64
6,907.0	1.10	114.10	6,831.4	-332.1	-742.9	813.7	0.29	0.29	-1.35
7,078.0	1.00	107.80	7,002.3	-333.2	-740.0	811.5	0.09	-0.06	-3.68
7,249.0	1.70	85.30	7,173.3	-333.5	-736.1	808.0	0.51	0.41	-13.16
7,359.9	1.23	94.24	7,284.1	-333.4	-733.2	805.5	0.47	-0.42	8.06
TARGET CIRCLE 1400'FNL & 1200'FWL									
7,362.9	1.22	94.57	7,287.1	-333.4	-733.2	805.4	0.47	-0.40	11.16
LEGAL BOX 800' X 800' 1328'FNL & 1331'FWL									
7,421.0	1.00	102.60	7,345.2	-333.6	-732.1	804.5	0.47	-0.38	13.82
7,592.0	1.00	67.70	7,516.2	-333.4	-729.2	801.8	0.35	0.00	-20.41
7,763.0	1.80	50.20	7,687.2	-331.1	-725.8	797.7	0.53	0.47	-10.23
7,937.0	1.90	50.20	7,861.1	-327.5	-721.5	792.3	0.06	0.06	0.00
8,112.0	1.10	35.70	8,036.0	-324.2	-718.3	788.0	0.50	-0.46	-8.29
8,205.0	1.20	31.40	8,129.0	-322.7	-717.2	786.4	0.14	0.11	-4.62
8,250.0	1.20	31.40	8,174.0	-321.9	-716.7	785.6	0.00	0.00	0.00

Checked By: _____	Approved By: _____	Date: _____
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