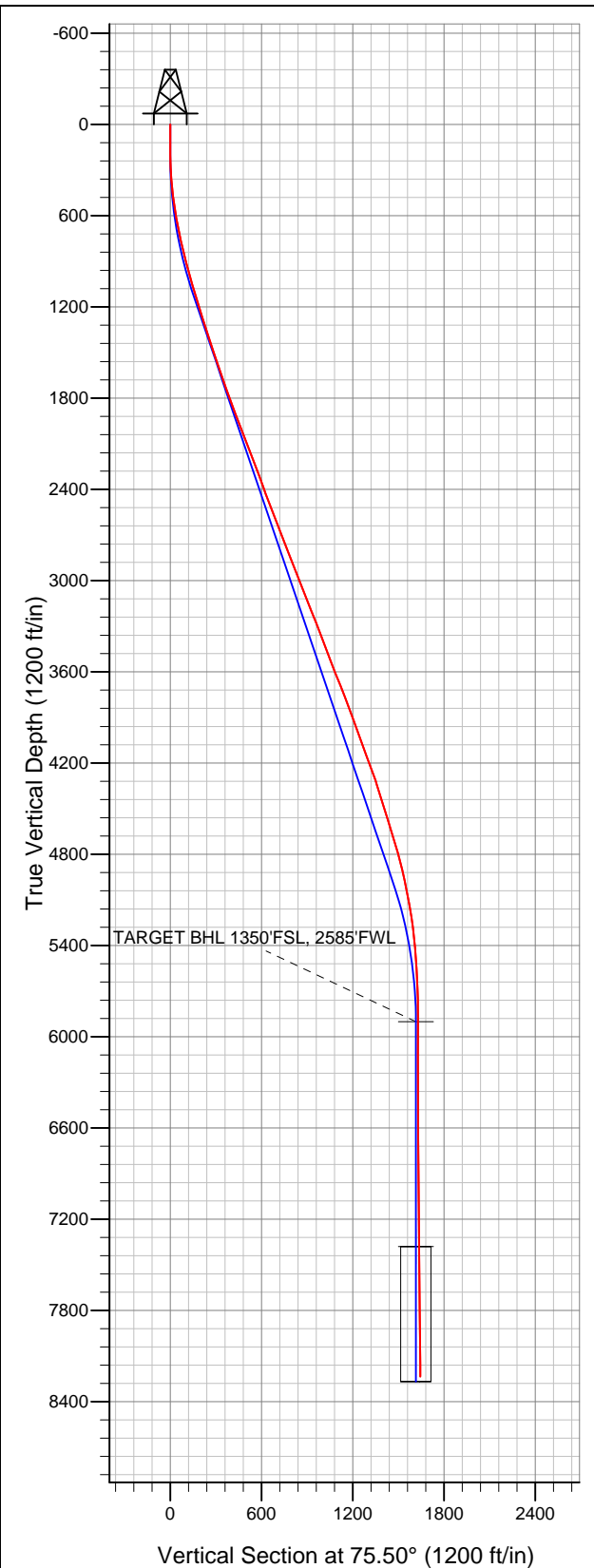


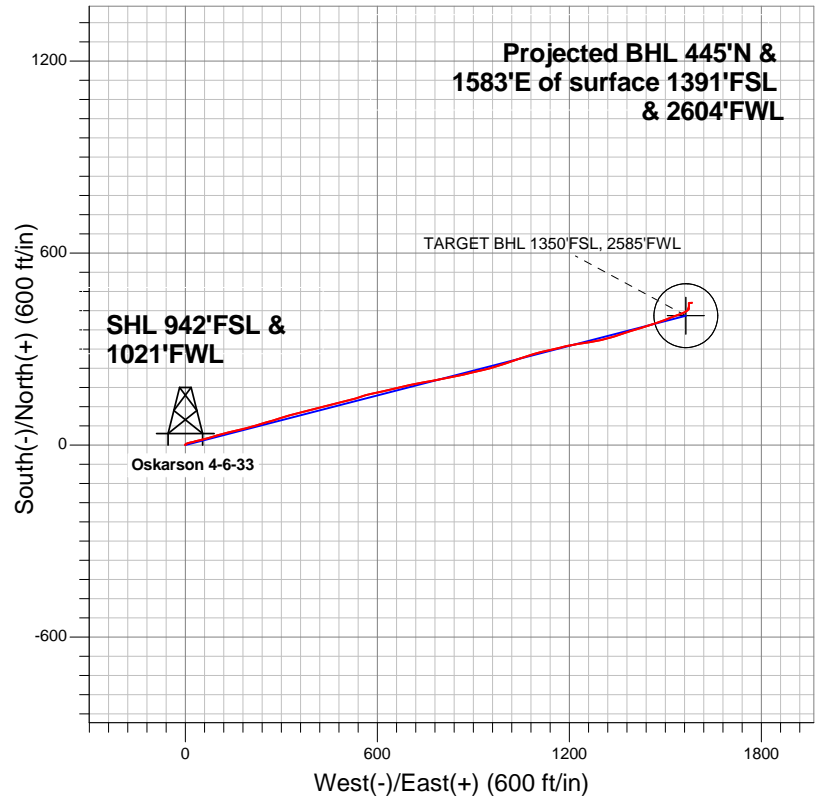
Well Name: Oskarson 4-6-33

Surface Location: Oskarson 2-8-33 Pad Sec.33-T2N-R68W
 North American Datum 1983 US State Plane 1983Colorado Northern Zone
 Ground Elevation: 4986.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1276095.22	3135959.79	40.090250	-105.014050	
		Original Well Elev				
		WELL @ 4999.0ft (Original Well Elev)				



EnCana Oil & Gas Weld County CO



LEGEND

- Wellbore #1
- Oskarson 4-6-33, Wellbore #1, Plan #1 (8-01-12) R V0
- Survey #1

Final Survey Plot

Projected Final Survey -
 8500'MD & 8234'TVD @ 1644'VS
 0.50 deg Inc 36.60 deg AZ

Project: SEC.33-T2N-R68W
 Site: Oskarson 2-8-33 Pad Sec.33-T2N-R68W
 Well: Oskarson 4-6-33
 Plan: Wellbore #1



EnCana Oil & Gas Weld County CO

SEC.33-T2N-R68W

Oskarson 2-8-33 Pad Sec.33-T2N-R68W

Oskarson 4-6-33

Wellbore #1

Survey: Survey #1

Standard Survey Report

08 August, 2012

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Oskarson 4-6-33
Project:	SEC.33-T2N-R68W	TVD Reference:	WELL @ 4999.0ft (Original Well Elev)
Site:	Oskarson 2-8-33 Pad Sec.33-T2N-R68W	MD Reference:	WELL @ 4999.0ft (Original Well Elev)
Well:	Oskarson 4-6-33	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.33-T2N-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		Oskarson 2-8-33 Pad Sec.33-T2N-R68W			
Position:		Northing:	1,276,095.08 ft	Latitude:	40.090250
From:	Lat/Long	Easting:	3,135,929.02 ft	Longitude:	-105.014160
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.31 °

Well	Oskarson 4-6-33					
Well Position	+N/-S	0.0 ft	Northing:	1,276,095.22 ft	Latitude:	40.090250
	+E/-W	0.0 ft	Easting:	3,135,959.79 ft	Longitude:	-105.014050
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,986.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/1/2012	8.82	66.72	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 (°)	
	0.0	0.0	0.0	75.50	

Survey Program		Date	8/7/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
108.0	8,500.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

Survey	Survey 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
	108.0	0.70	325.90	108.0	0.5	-0.4	-0.2	0.65	0.65	0.00
	200.0	1.10	34.13	200.0	1.7	-0.2	0.3	1.15	0.43	74.16
	291.0	2.70	53.60	290.9	3.7	2.0	2.9	1.87	1.76	21.40
	383.0	5.40	77.20	382.7	6.0	8.0	9.2	3.39	2.93	25.65
	475.0	6.90	77.00	474.2	8.2	17.6	19.1	1.63	1.63	-0.22
	566.0	9.10	74.90	564.3	11.3	29.9	31.8	2.44	2.42	-2.31
	657.0	10.50	75.40	654.0	15.3	44.8	47.2	1.54	1.54	0.55
	749.0	12.80	76.30	744.0	19.8	62.9	65.8	2.51	2.50	0.98
	836.0	14.30	74.40	828.6	25.0	82.6	86.2	1.80	1.72	-2.18
	930.0	15.00	73.20	919.6	31.6	105.4	110.0	0.81	0.74	-1.28
	1,016.0	14.90	73.50	1,002.7	37.9	126.7	132.1	0.15	-0.12	0.35
	1,101.0	15.50	77.60	1,084.7	43.5	148.2	154.4	1.45	0.71	4.82

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Oskarson 4-6-33
Project:	SEC.33-T2N-R68W	TVD Reference:	WELL @ 4999.0ft (Original Well Elev)
Site:	Oskarson 2-8-33 Pad Sec.33-T2N-R68W	MD Reference:	WELL @ 4999.0ft (Original Well Elev)
Well:	Oskarson 4-6-33	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)
1,186.0	17.10	78.30	1,166.3	48.5	171.6	178.2	1.90	1.88	0.82
1,272.0	17.90	75.10	1,248.3	54.4	196.7	204.1	1.45	0.93	-3.72
1,357.0	18.20	71.60	1,329.1	62.0	221.9	230.4	1.32	0.35	-4.12
1,442.0	18.00	74.60	1,409.9	69.7	247.2	256.8	1.12	-0.24	3.53
1,528.0	18.70	73.90	1,491.5	77.0	273.3	283.8	0.85	0.81	-0.81
1,613.0	19.10	72.50	1,571.9	85.0	299.6	311.3	0.71	0.47	-1.65
1,698.0	18.70	74.20	1,652.4	92.9	326.0	338.8	0.80	-0.47	2.00
1,783.0	19.30	76.50	1,732.7	99.8	352.8	366.5	1.13	0.71	2.71
1,869.0	20.80	74.70	1,813.5	107.2	381.3	396.0	1.89	1.74	-2.09
1,956.0	20.20	75.60	1,895.0	115.0	410.7	426.5	0.78	-0.69	1.03
2,043.0	20.40	76.50	1,976.6	122.3	440.0	456.6	0.43	0.23	1.03
2,131.0	21.10	76.00	2,058.9	129.7	470.3	487.8	0.82	0.80	-0.57
2,218.0	21.90	75.80	2,139.8	137.5	501.2	519.7	0.92	0.92	-0.23
2,305.0	21.30	72.80	2,220.7	146.1	532.1	551.7	1.44	-0.69	-3.45
2,393.0	20.00	73.30	2,303.1	155.2	561.8	582.7	1.49	-1.48	0.57
2,480.0	19.20	76.80	2,385.0	162.7	589.9	611.9	1.63	-0.92	4.02
2,567.0	20.40	79.80	2,466.9	168.7	618.8	641.3	1.81	1.38	3.45
2,654.0	21.50	76.50	2,548.2	175.1	649.2	672.4	1.85	1.26	-3.79
2,742.0	21.90	75.40	2,629.9	183.0	680.8	704.9	0.65	0.45	-1.25
2,829.0	21.90	78.40	2,710.6	190.3	712.4	737.3	1.29	0.00	3.45
2,916.0	21.50	80.50	2,791.5	196.2	744.0	769.4	1.00	-0.46	2.41
3,004.0	21.00	80.00	2,873.5	201.6	775.4	801.2	0.60	-0.57	-0.57
3,091.0	20.90	78.30	2,954.7	207.5	806.0	832.3	0.71	-0.11	-1.95
3,178.0	21.40	78.80	3,035.9	213.7	836.7	863.6	0.61	0.57	0.57
3,266.0	21.40	77.20	3,117.8	220.4	868.1	895.7	0.66	0.00	-1.82
3,353.0	21.70	77.20	3,198.7	227.5	899.3	927.6	0.34	0.34	0.00
3,440.0	21.50	76.50	3,279.6	234.7	930.5	959.6	0.37	-0.23	-0.80
3,527.0	21.40	74.20	3,360.6	242.8	961.3	991.4	0.97	-0.11	-2.64
3,615.0	20.80	71.20	3,442.7	252.2	991.5	1,023.1	1.40	-0.68	-3.41
3,702.0	20.90	71.20	3,524.0	262.2	1,020.8	1,054.0	0.11	0.11	0.00
3,789.0	21.80	71.40	3,605.0	272.3	1,050.8	1,085.5	1.04	1.03	0.23
3,877.0	22.00	73.00	3,686.7	282.4	1,082.1	1,118.3	0.72	0.23	1.82
3,964.0	20.80	76.30	3,767.7	290.8	1,112.7	1,150.0	1.95	-1.38	3.79
4,051.0	20.10	77.70	3,849.2	297.6	1,142.3	1,180.4	0.98	-0.80	1.61
4,139.0	20.50	76.10	3,931.7	304.5	1,172.0	1,210.9	0.78	0.45	-1.82
4,226.0	19.80	77.70	4,013.4	311.3	1,201.2	1,240.9	1.02	-0.80	1.84
4,313.0	19.70	82.50	4,095.3	316.4	1,230.1	1,270.2	1.87	-0.11	5.52
4,400.0	20.50	80.50	4,177.0	320.8	1,259.7	1,299.9	1.21	0.92	-2.30
4,488.0	20.40	77.90	4,259.5	326.6	1,289.9	1,330.6	1.04	-0.11	-2.95
4,575.0	17.60	76.10	4,341.7	332.9	1,317.5	1,358.9	3.29	-3.22	-2.07
4,662.0	17.30	71.00	4,424.7	340.3	1,342.5	1,384.9	1.79	-0.34	-5.86
4,750.0	17.60	71.20	4,508.7	348.8	1,367.5	1,411.2	0.35	0.34	0.23
4,837.0	16.90	73.30	4,591.7	356.7	1,392.0	1,437.0	1.08	-0.80	2.41
4,924.0	17.40	73.70	4,674.9	364.0	1,416.6	1,462.6	0.59	0.57	0.46
5,012.0	16.30	72.60	4,759.1	371.4	1,441.0	1,488.1	1.30	-1.25	-1.25
5,099.0	14.20	71.00	4,843.0	378.5	1,462.8	1,511.0	2.46	-2.41	-1.84
5,186.0	12.30	71.00	4,927.7	385.0	1,481.6	1,530.8	2.18	-2.18	0.00
5,273.0	11.90	69.30	5,012.8	391.2	1,498.8	1,549.0	0.62	-0.46	-1.95
5,361.0	11.10	67.40	5,099.0	397.7	1,515.1	1,566.4	1.01	-0.91	-2.16
5,448.0	9.50	70.30	5,184.6	403.3	1,529.6	1,581.8	1.93	-1.84	3.33
5,535.0	7.50	72.50	5,270.6	407.4	1,541.8	1,594.7	2.33	-2.30	2.53
5,623.0	5.80	65.90	5,358.1	411.0	1,551.3	1,604.8	2.11	-1.93	-7.50
5,710.0	4.70	61.70	5,444.7	414.5	1,558.5	1,612.6	1.34	-1.26	-4.83
5,797.0	3.60	59.10	5,531.5	417.5	1,563.9	1,618.7	1.28	-1.26	-2.99

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Oskarson 4-6-33
Project:	SEC.33-T2N-R68W	TVD Reference:	WELL @ 4999.0ft (Original Well Elev)
Site:	Oskarson 2-8-33 Pad Sec.33-T2N-R68W	MD Reference:	WELL @ 4999.0ft (Original Well Elev)
Well:	Oskarson 4-6-33	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)	
5,885.0	2.70	56.10	5,619.3	420.1	1,568.0	1,623.3	1.04	-1.02	-3.41	
5,972.0	2.30	48.70	5,706.2	422.4	1,571.0	1,626.8	0.59	-0.46	-8.51	
6,059.0	1.30	16.70	5,793.2	424.5	1,572.6	1,628.8	1.59	-1.15	-36.78	
6,146.0	1.10	13.40	5,880.2	426.3	1,573.1	1,629.7	0.24	-0.23	-3.79	
6,165.7	0.94	12.24	5,899.9	426.6	1,573.2	1,629.9	0.84	-0.84	-5.87	
TARGET BHL 1350'FSL, 2585'FWL										
6,321.0	0.40	218.20	6,055.2	427.4	1,573.1	1,630.0	0.84	-0.34	-99.18	
6,496.0	0.30	255.40	6,230.2	426.8	1,572.3	1,629.1	0.14	-0.06	21.26	
6,670.0	0.60	16.20	6,404.2	427.6	1,572.1	1,629.1	0.46	0.17	69.43	
6,845.0	1.20	12.30	6,579.1	430.3	1,572.8	1,630.4	0.34	0.34	-2.23	
7,019.0	1.60	2.00	6,753.1	434.5	1,573.2	1,631.9	0.27	0.23	-5.92	
7,194.0	1.80	359.00	6,928.0	439.7	1,573.3	1,633.2	0.13	0.11	-1.71	
7,369.0	0.90	18.80	7,103.0	443.7	1,573.7	1,634.6	0.57	-0.51	11.31	
7,543.0	0.40	101.30	7,277.0	444.9	1,574.7	1,635.9	0.54	-0.29	47.41	
7,645.1	0.51	110.73	7,379.0	444.6	1,575.5	1,636.6	0.13	0.11	9.23	
TARGET CIRCLE 1350'FSL & 2585'FWL										
7,718.0	0.60	115.20	7,452.0	444.4	1,576.1	1,637.2	0.13	0.12	6.13	
7,892.0	0.60	93.50	7,625.9	443.9	1,577.9	1,638.8	0.13	0.00	-12.47	
8,067.0	0.80	87.40	7,800.9	443.9	1,580.0	1,640.8	0.12	0.11	-3.49	
8,242.0	0.40	73.90	7,975.9	444.1	1,581.8	1,642.6	0.24	-0.23	-7.71	
8,416.0	0.40	34.10	8,149.9	444.8	1,582.7	1,643.7	0.16	0.00	-22.87	
8,458.0	0.50	36.60	8,191.9	445.1	1,582.9	1,643.9	0.24	0.24	5.95	
8,500.0	0.50	36.60	8,233.9	445.4	1,583.1	1,644.2	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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