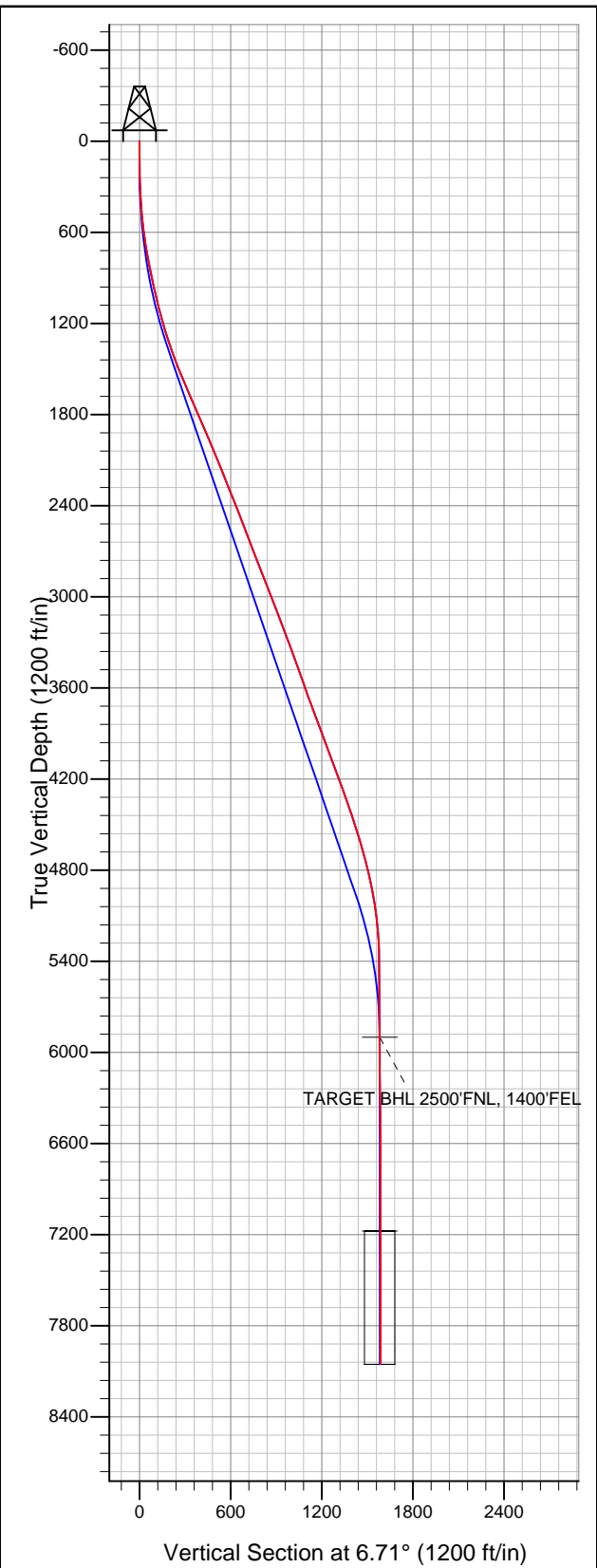


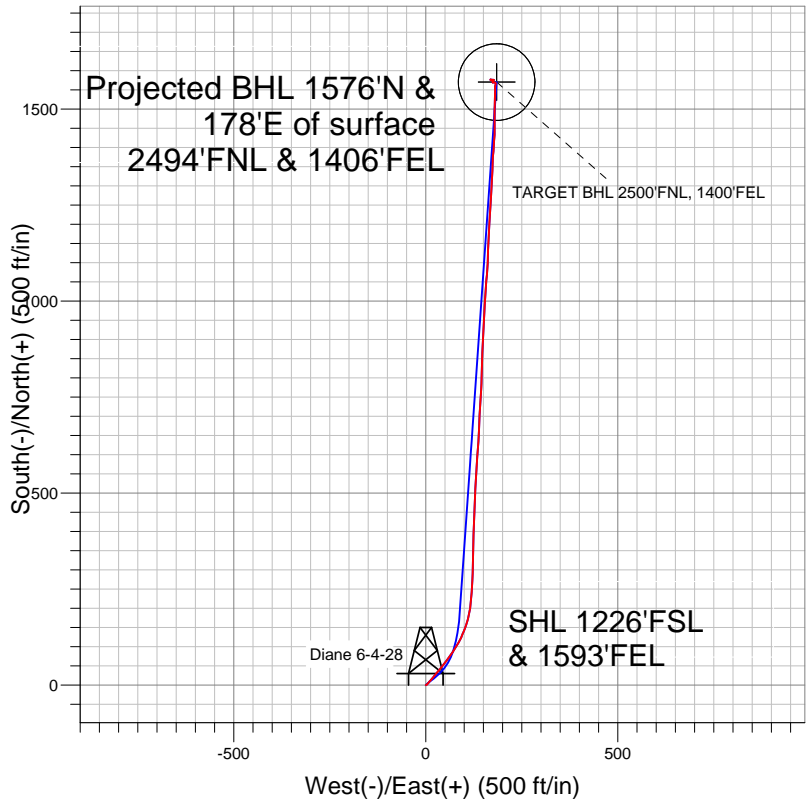


Well Name: Diane 6-4-28

Surface Location: Diane 34-28 Pad Sec.28-T2N-R66W
North American Datum 1983 US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4970.0
+N/-S +E/-W Northing Easting Latitude Longitude Slot
0.0 0.0 1281997.07 3201827.91 40.105220 -104.778460
Original Well Elev WELL @ 4982.0ft (Original Well Elev)



EnCana Oil & Gas Weld County CO



LEGEND

- Diane 6-4-28, Wellbore #1, Plan #1 (5-29-12) R V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
8325'MD & 8052'TVD @ 1586'VS
1.00 deg Inc 87.30 deg AZ

Project: SEC.28-T2N-R66W
Site: Diane 34-28 Pad Sec.28-T2N-R66W
Well: Diane 6-4-28
Plan: Wellbore #1



EnCana Oil & Gas Weld County CO

SEC.28-T2N-R66W

Diane 34-28 Pad Sec.28-T2N-R66W

Diane 6-4-28

Wellbore #1

Survey: Survey #1

Standard Survey Report

06 June, 2012

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Diane 6-4-28
Project:	SEC.28-T2N-R66W	TVD Reference:	WELL @ 4982.0ft (Original Well Elev)
Site:	Diane 34-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4982.0ft (Original Well Elev)
Well:	Diane 6-4-28	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.28-T2N-R66W		
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	Diane 34-28 Pad Sec.28-T2N-R66W				
Site Position:		Northing:	1,281,997.01 ft	Latitude:	40.105220
From:	Lat/Long	Easting:	3,201,819.52 ft	Longitude:	-104.778490
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.47 °

Well	Diane 6-4-28					
Well Position	+N/-S	0.0 ft	Northing:	1,281,997.07 ft	Latitude:	40.105220
	+E/-W	0.0 ft	Easting:	3,201,827.91 ft	Longitude:	-104.778460
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,970.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/29/2012	8.72	66.78	52,873

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	6.71	

Survey Program	Date	6/6/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
89.0	8,325.0	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	
89.0	1.20	100.10	89.0	-0.2	0.9	-0.1	1.35	1.35	0.00	
184.0	0.70	11.30	184.0	0.2	2.0	0.5	1.45	-0.53	-93.47	
276.0	1.90	53.50	276.0	1.7	3.3	2.1	1.59	1.30	45.87	
368.0	4.10	36.50	367.8	5.2	6.5	6.0	2.55	2.39	-18.48	
460.0	5.90	41.20	459.5	11.4	11.6	12.7	2.00	1.96	5.11	
551.0	7.60	41.20	549.8	19.5	18.6	21.5	1.87	1.87	0.00	
642.0	9.60	39.50	639.8	29.9	27.4	32.9	2.22	2.20	-1.87	
736.0	11.40	39.30	732.2	43.1	38.3	47.3	1.92	1.91	-0.21	
829.0	13.20	37.20	823.1	58.7	50.6	64.2	1.99	1.94	-2.26	
923.0	14.20	35.30	914.4	76.6	63.7	83.6	1.17	1.06	-2.02	
961.0	14.70	33.30	951.2	84.5	69.0	92.0	1.86	1.32	-5.26	
1,048.0	14.30	31.90	1,035.5	102.8	80.8	111.6	0.61	-0.46	-1.61	

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Diane 6-4-28
Project:	SEC.28-T2N-R66W	TVD Reference:	WELL @ 4982.0ft (Original Well Elev)
Site:	Diane 34-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4982.0ft (Original Well Elev)
Well:	Diane 6-4-28	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)	
1,141.0	15.10	25.40	1,125.4	123.5	92.0	133.4	1.97	0.86	-6.99	
1,235.0	17.20	19.80	1,215.7	147.7	102.0	158.6	2.78	2.23	-5.96	
1,329.0	18.70	15.20	1,305.1	175.3	110.7	187.0	2.19	1.60	-4.89	
1,422.0	19.00	7.00	1,393.2	204.7	116.4	216.9	2.86	0.32	-8.82	
1,516.0	21.40	3.10	1,481.4	237.0	119.2	249.3	2.93	2.55	-4.15	
1,610.0	22.90	3.10	1,568.4	272.4	121.1	284.7	1.60	1.60	0.00	
1,703.0	23.90	2.00	1,653.8	309.3	122.8	321.5	1.17	1.08	-1.18	
1,797.0	24.40	1.50	1,739.6	347.7	123.9	359.8	0.57	0.53	-0.53	
1,891.0	23.40	0.60	1,825.5	385.8	124.6	397.7	1.13	-1.06	-0.96	
1,984.0	23.00	2.00	1,911.0	422.4	125.5	434.2	0.73	-0.43	1.51	
2,078.0	22.30	2.40	1,997.7	458.6	126.9	470.3	0.76	-0.74	0.43	
2,172.0	22.30	2.70	2,084.7	494.2	128.4	505.9	0.12	0.00	0.32	
2,265.0	22.00	3.80	2,170.8	529.3	130.4	540.9	0.55	-0.32	1.18	
2,359.0	22.50	3.30	2,257.8	564.8	132.6	576.4	0.57	0.53	-0.53	
2,453.0	21.80	4.00	2,344.9	600.1	134.9	611.8	0.80	-0.74	0.74	
2,546.0	21.60	3.40	2,431.3	634.5	137.1	646.1	0.32	-0.22	-0.65	
2,640.0	21.20	2.70	2,518.8	668.7	138.9	680.4	0.50	-0.43	-0.74	
2,734.0	21.00	2.20	2,606.5	702.5	140.4	714.1	0.29	-0.21	-0.53	
2,827.0	20.70	4.00	2,693.4	735.6	142.2	747.1	0.76	-0.32	1.94	
2,921.0	21.00	3.80	2,781.3	768.9	144.4	780.6	0.33	0.32	-0.21	
3,015.0	21.80	1.20	2,868.8	803.2	145.9	814.8	1.32	0.85	-2.77	
3,108.0	21.80	2.00	2,955.1	837.7	146.9	849.2	0.32	0.00	0.86	
3,202.0	21.50	1.50	3,042.5	872.4	147.9	883.7	0.37	-0.32	-0.53	
3,296.0	20.80	2.40	3,130.2	906.3	149.1	917.5	0.82	-0.74	0.96	
3,389.0	20.80	3.10	3,217.1	939.3	150.7	950.4	0.27	0.00	0.75	
3,483.0	20.10	4.00	3,305.2	972.1	152.7	983.2	0.82	-0.74	0.96	
3,577.0	20.00	4.10	3,393.5	1,004.2	155.0	1,015.4	0.11	-0.11	0.11	
3,670.0	20.30	3.10	3,480.8	1,036.2	157.0	1,047.4	0.49	0.32	-1.08	
3,764.0	19.40	4.90	3,569.2	1,068.0	159.2	1,079.3	1.16	-0.96	1.91	
3,857.0	19.60	2.00	3,656.9	1,099.0	161.1	1,110.3	1.06	0.22	-3.12	
3,951.0	20.80	2.00	3,745.1	1,131.4	162.2	1,142.6	1.28	1.28	0.00	
4,045.0	20.10	2.60	3,833.2	1,164.2	163.5	1,175.4	0.78	-0.74	0.64	
4,138.0	20.10	2.90	3,920.5	1,196.2	165.1	1,207.3	0.11	0.00	0.32	
4,232.0	20.80	4.50	4,008.6	1,228.9	167.2	1,240.1	0.95	0.74	1.70	
4,326.0	20.00	3.60	4,096.7	1,261.6	169.5	1,272.8	0.91	-0.85	-0.96	
4,419.0	20.80	2.90	4,183.9	1,294.0	171.3	1,305.1	0.90	0.86	-0.75	
4,513.0	20.90	2.00	4,271.7	1,327.4	172.8	1,338.5	0.36	0.11	-0.96	
4,607.0	19.50	2.60	4,359.9	1,359.8	174.1	1,370.9	1.51	-1.49	0.64	
4,700.0	18.10	4.90	4,448.0	1,389.7	176.0	1,400.8	1.70	-1.51	2.47	
4,794.0	17.80	4.00	4,537.4	1,418.6	178.3	1,429.7	0.43	-0.32	-0.96	
4,888.0	16.30	0.30	4,627.3	1,446.1	179.3	1,457.2	1.97	-1.60	-3.94	
4,981.0	14.80	359.80	4,716.9	1,471.1	179.4	1,482.0	1.62	-1.61	-0.54	
5,075.0	13.30	0.80	4,808.0	1,493.9	179.5	1,504.6	1.62	-1.60	1.06	
5,169.0	11.40	1.70	4,899.9	1,514.0	179.9	1,524.6	2.03	-2.02	0.96	
5,262.0	9.80	1.70	4,991.3	1,531.1	180.4	1,541.7	1.72	-1.72	0.00	
5,356.0	7.70	359.90	5,084.2	1,545.4	180.6	1,555.9	2.25	-2.23	-1.91	
5,450.0	5.90	1.90	5,177.5	1,556.5	180.8	1,567.0	1.93	-1.91	2.13	
5,543.0	3.30	17.20	5,270.2	1,563.9	181.7	1,574.4	3.07	-2.80	16.45	
5,637.0	1.10	350.10	5,364.1	1,567.3	182.4	1,577.9	2.53	-2.34	-28.83	
5,731.0	0.80	291.60	5,458.1	1,568.5	181.6	1,578.9	1.03	-0.32	-62.23	
5,824.0	1.00	284.70	5,551.1	1,568.9	180.2	1,579.2	0.24	0.22	-7.42	
5,918.0	1.00	277.00	5,645.1	1,569.2	178.6	1,579.3	0.14	0.00	-8.19	
6,012.0	1.30	269.80	5,739.1	1,569.3	176.7	1,579.2	0.35	0.32	-7.66	
6,105.0	0.90	240.60	5,832.1	1,568.9	175.0	1,578.6	0.73	-0.43	-31.40	

Company:	EnCana Oil & Gas Weld County CO	Local Co-ordinate Reference:	Well Diane 6-4-28
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Site:	Diane 34-28 Pad Sec.28-T2N-R66W	MD Reference:	WELL @ 4982.0ft (Original Well Elev)
Well:	Diane 6-4-28	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)	
6,172.9	0.36	311.04	5,899.9	1,568.8	174.4	1,578.5	1.25	-0.80	103.78	
TARGET BHL 2500'FNL, 1400'FEL										
6,199.0	0.50	351.80	5,926.0	1,569.0	174.3	1,578.6	1.25	0.55	156.01	
6,293.0	1.10	355.90	6,020.0	1,570.3	174.2	1,579.9	0.64	0.64	4.36	
6,386.0	1.10	335.00	6,113.0	1,572.0	173.8	1,581.5	0.43	0.00	-22.47	
6,480.0	1.10	319.10	6,207.0	1,573.5	172.8	1,582.9	0.32	0.00	-16.91	
6,575.0	0.70	323.00	6,302.0	1,574.6	171.8	1,583.9	0.43	-0.42	4.11	
6,669.0	0.80	316.20	6,396.0	1,575.6	171.0	1,584.8	0.14	0.11	-7.23	
6,763.0	0.60	309.70	6,490.0	1,576.4	170.2	1,585.5	0.23	-0.21	-6.91	
6,858.0	0.50	297.90	6,585.0	1,576.9	169.5	1,585.9	0.16	-0.11	-12.42	
6,952.0	0.20	259.90	6,679.0	1,577.0	168.9	1,586.0	0.39	-0.32	-40.43	
7,046.0	0.30	227.20	6,773.0	1,576.8	168.6	1,585.7	0.18	0.11	-34.79	
7,140.0	0.20	213.70	6,867.0	1,576.5	168.3	1,585.4	0.12	-0.11	-14.36	
7,235.0	0.10	109.80	6,962.0	1,576.4	168.3	1,585.2	0.26	-0.11	-109.37	
7,329.0	0.30	82.40	7,056.0	1,576.4	168.6	1,585.3	0.23	0.21	-29.15	
7,423.0	0.50	98.50	7,150.0	1,576.4	169.3	1,585.3	0.24	0.21	17.13	
7,449.2	0.55	94.61	7,176.2	1,576.3	169.5	1,585.3	0.24	0.20	-14.85	
TARGET CIRCLE 2500'FNL & 1400'FEL										
7,518.0	0.70	87.30	7,245.0	1,576.3	170.3	1,585.4	0.24	0.21	-10.63	
7,612.0	0.50	81.30	7,339.0	1,576.4	171.3	1,585.6	0.22	-0.21	-6.38	
7,706.0	0.70	84.70	7,433.0	1,576.5	172.2	1,585.8	0.22	0.21	3.62	
7,800.0	0.80	93.80	7,526.9	1,576.5	173.5	1,586.0	0.17	0.11	9.68	
7,895.0	0.60	101.20	7,621.9	1,576.4	174.6	1,586.0	0.23	-0.21	7.79	
7,989.0	0.40	89.10	7,715.9	1,576.3	175.4	1,586.0	0.24	-0.21	-12.87	
8,083.0	0.40	97.50	7,809.9	1,576.3	176.1	1,586.0	0.06	0.00	8.94	
8,178.0	0.40	152.30	7,904.9	1,575.9	176.6	1,585.8	0.39	0.00	57.68	
8,280.0	1.00	87.30	8,006.9	1,575.7	177.6	1,585.6	0.89	0.59	-63.73	
8,325.0	1.00	87.30	8,051.9	1,575.7	178.4	1,585.7	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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