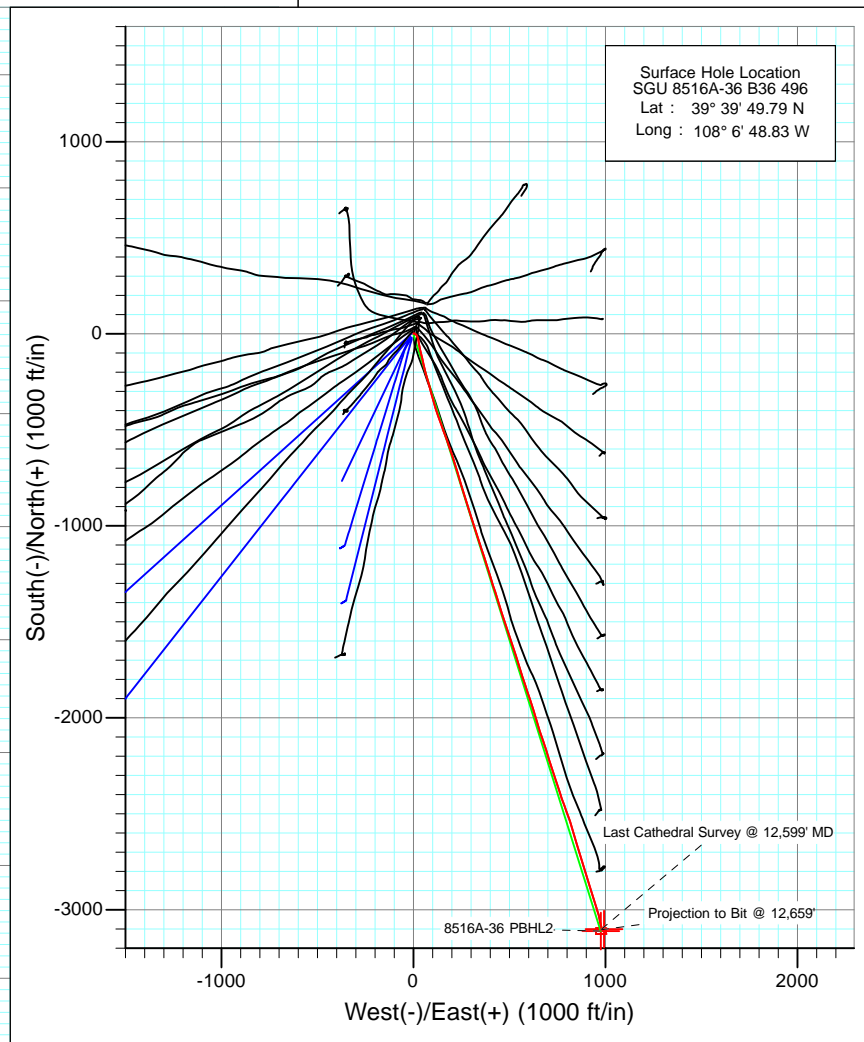
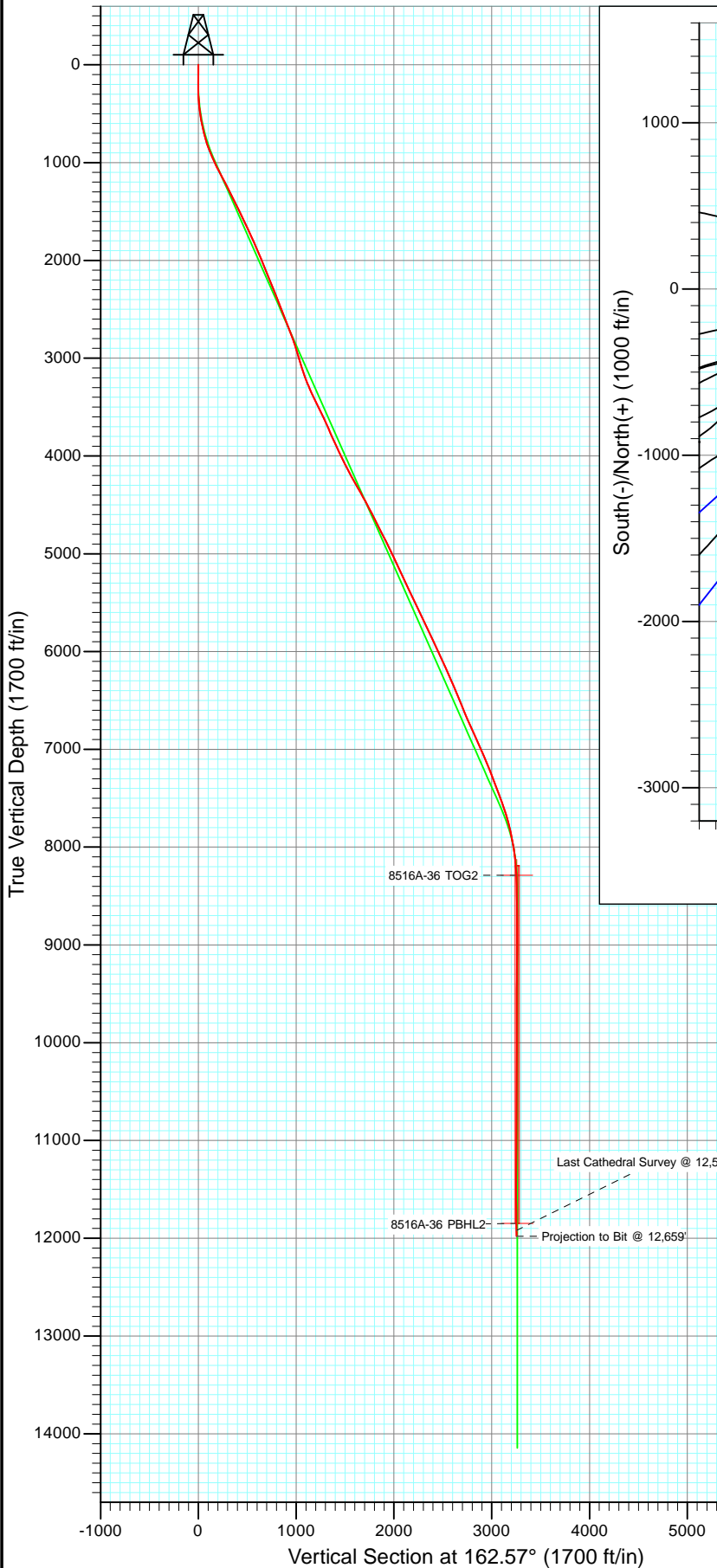




Project: Story Gulch
 Site: S36-T4S-R96W (B36 496)
 Well: SGU 8516A-36 B36 496
 Wellbore: DD
 Design: FINAL



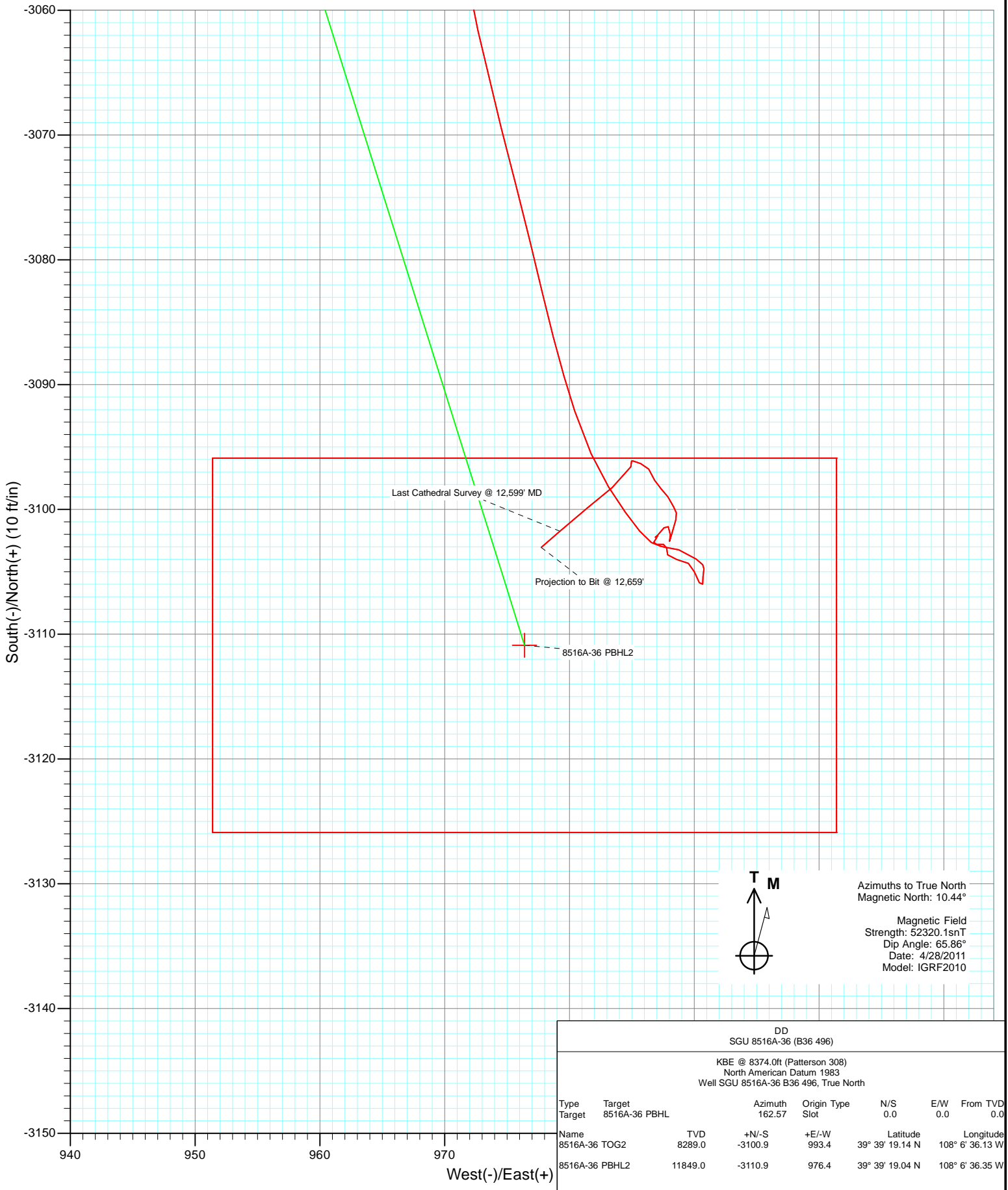
Azimuths to True North
 Magnetic North: 10.44°

Magnetic Field
 Strength: 52320.1snT
 Dip Angle: 65.86°
 Date: 4/28/2011
 Model: IGRF2010

DD SGU 8516A-36 (B36 496) 105516 (SH), 115178 (MH); LR						
KBE @ 8374.0ft (Patterson 308) North American Datum 1983 Well SGU 8516A-36 B36 496, True North						
Type	Target	Azimuth	Origin	Type	N/S	E/W
	8516A-36 PBHL	162.57	Slot		0.0	0.0
						From TVD
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	
8516A-36 TOG2	8289.0	-3100.9	993.4	39° 39' 19.14 N	108° 6' 36.13 W	
8516A-36 PBHL2	11849.0	-3110.9	976.4	39° 39' 19.04 N	108° 6' 36.35 W	

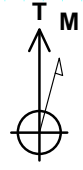


Project: Story Gulch
 Site: S36-T4S-R96W (B36 496)
 Well: SGU 8516A-36 B36 496
 Wellbore: DD
 Design: FINAL



Azimuths to True North
 Magnetic North: 10.44°

Magnetic Field
 Strength: 52320.1snT
 Dip Angle: 65.86°
 Date: 4/28/2011
 Model: IGRF2010



DD SGU 8516A-36 (B36 496)								
KBE @ 8374.0ft (Patterson 308) North American Datum 1983 Well SGU 8516A-36 B36 496, True North								
Type	Target		Azimuth	Origin	Type	N/S	E/W	From TVD
Target	8516A-36 PBHL		162.57	Slot		0.0	0.0	0.0
Name		TVD	+N/-S	+E/-W	Latitude		Longitude	
8516A-36 TOG2		8289.0	-3100.9	993.4	39° 39' 19.14 N		108° 6' 36.13 W	
8516A-36 PBHL2		11849.0	-3110.9	976.4	39° 39' 19.04 N		108° 6' 36.35 W	

Survey Report

Company: EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference: Well SGU 8516A-36 B36 496
Project: Story Gulch	TVD Reference: KBE @ 8374.0ft (Patterson 308)
Site: S36-T4S-R96W (B36 496)	MD Reference: KBE @ 8374.0ft (Patterson 308)
Well: SGU 8516A-36 B36 496	North Reference: True
Wellbore: DD	Survey Calculation Method: Minimum Curvature
Design: DD	Database: EDM 5000.1 US Multi Users DB

Project Story Gulch		
Map System: US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum: North American Datum 1983		
Map Zone: Colorado Central Zone		

Site S36-T4S-R96W (B36 496)					
Site Position:		Northing:	1,677,422.27 ft	Latitude:	39° 39' 51.36 N
From:	Lat/Long	Easting:	2,264,394.80 ft	Longitude:	108° 6' 47.88 W
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.65 °

Well SGU 8516A-36 B36 496						
Well Position	+N/-S	0.0 ft	Northing:	1,677,265.14 ft	Latitude:	39° 39' 49.79 N
	+E/-W	0.0 ft	Easting:	2,264,315.44 ft	Longitude:	108° 6' 48.83 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	8,352.0 ft

Wellbore DD					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	4/28/2011	10.44	65.86	52,320

Design DD					
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	162.57

Survey Program					
		Date	5/9/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
169.0	12,659.0	Survey #1 (DD)	MWD	Geolink MWD	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
169.0	1.30	46.60	169.0	1.3	1.4	-0.8	0.77	0.77	
200.0	1.50	54.80	200.0	1.8	2.0	-1.1	0.91	0.65	
231.0	2.20	75.40	231.0	2.2	2.9	-1.2	3.08	2.26	
261.0	2.60	95.90	260.9	2.3	4.1	-0.9	3.13	1.33	
292.0	3.50	108.80	291.9	1.9	5.7	-0.1	3.63	2.90	
322.0	4.00	116.10	321.8	1.1	7.5	1.2	2.30	1.67	
353.0	4.80	122.30	352.7	0.0	9.6	2.9	3.00	2.58	
414.0	6.60	136.10	413.4	-3.9	14.2	8.0	3.69	2.95	
445.0	7.20	139.30	444.2	-6.7	16.7	11.4	2.30	1.94	
475.0	7.80	150.20	474.0	-9.9	18.9	15.1	5.14	2.00	
506.0	8.60	156.60	504.6	-13.8	20.9	19.5	3.91	2.58	
538.0	9.30	164.00	536.2	-18.5	22.5	24.4	4.21	2.19	

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well SGU 8516A-36 B36 496
Project:	Story Gulch	TD Reference:	KBE @ 8374.0ft (Patterson 308)
Site:	S36-T4S-R96W (B36 496)	MVD Reference:	KBE @ 8374.0ft (Patterson 308)
Well:	SGU 8516A-36 B36 496	North Reference:	True
Wellbore:	DD	Survey Calculation Method:	Minimum Curvature
Design:	DD	Database:	EDM 5000.1 US Multi Users DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
569.0	10.10	163.10	566.8	-23.5	24.0	29.6	2.63	2.58	
601.0	11.20	167.20	598.3	-29.2	25.5	35.6	4.17	3.44	
633.0	11.90	169.90	629.6	-35.5	26.8	41.9	2.76	2.19	
665.0	12.90	170.90	660.9	-42.3	27.9	48.7	3.20	3.12	
696.0	14.00	171.30	691.0	-49.4	29.1	55.9	3.56	3.55	
728.0	14.90	170.50	722.0	-57.3	30.3	63.8	2.88	2.81	
760.0	16.00	169.80	752.8	-65.7	31.8	72.2	3.49	3.44	
791.0	17.40	168.10	782.5	-74.4	33.5	81.1	4.78	4.52	
855.0	20.10	164.70	843.1	-94.4	38.4	101.6	4.55	4.22	
918.0	21.90	167.10	901.9	-116.3	43.9	124.1	3.17	2.86	
980.0	23.90	168.30	959.1	-139.9	49.0	148.1	3.31	3.23	
1,076.0	27.10	165.90	1,045.7	-180.2	58.3	189.3	3.50	3.33	
1,171.0	27.80	164.10	1,130.0	-222.4	69.6	233.1	1.14	0.74	
1,266.0	27.40	164.90	1,214.2	-264.9	81.4	277.1	0.57	-0.42	
1,361.0	27.10	164.70	1,298.6	-306.8	92.8	320.5	0.33	-0.32	
1,456.0	26.20	164.00	1,383.6	-347.9	104.3	363.1	1.00	-0.95	
1,551.0	25.70	163.30	1,469.0	-387.8	116.0	404.7	0.62	-0.53	
1,646.0	26.20	160.10	1,554.4	-427.2	129.0	446.2	1.56	0.53	
1,741.0	25.70	160.30	1,639.8	-466.3	143.1	487.8	0.53	-0.53	
1,837.0	24.80	160.30	1,726.6	-504.9	156.9	528.7	0.94	-0.94	
1,932.0	23.80	159.70	1,813.2	-541.6	170.3	567.7	1.08	-1.05	
2,027.0	23.40	160.00	1,900.3	-577.3	183.4	605.7	0.44	-0.42	
2,122.0	22.70	161.30	1,987.7	-612.4	195.7	642.9	0.91	-0.74	
2,222.0	21.50	163.30	2,080.4	-648.2	207.1	680.5	1.42	-1.20	
2,317.0	21.90	162.20	2,168.6	-681.8	217.6	715.6	0.60	0.42	
2,412.0	22.20	162.70	2,256.7	-715.8	228.3	751.3	0.37	0.32	
2,507.0	22.00	163.60	2,344.7	-750.0	238.7	787.0	0.41	-0.21	
2,603.0	21.30	163.30	2,433.9	-783.9	248.8	822.5	0.74	-0.73	
2,698.0	21.00	161.90	2,522.5	-816.6	259.0	856.7	0.62	-0.32	
2,793.0	21.40	162.50	2,611.1	-849.4	269.5	891.1	0.48	0.42	
2,889.0	21.70	163.70	2,700.4	-883.1	279.8	926.3	0.56	0.31	
2,984.0	20.50	162.90	2,789.0	-915.9	289.6	960.5	1.30	-1.26	
3,081.0	17.10	162.80	2,880.8	-945.7	298.8	991.8	3.51	-3.51	
3,172.0	16.50	162.40	2,967.9	-970.8	306.7	1,018.1	0.67	-0.66	
3,264.0	16.90	160.40	3,056.1	-995.9	315.1	1,044.5	0.76	0.43	
3,356.0	19.10	163.50	3,143.6	-1,022.9	323.9	1,072.9	2.61	2.39	
3,447.0	21.30	164.30	3,229.0	-1,053.1	332.6	1,104.4	2.44	2.42	
3,539.0	23.60	160.00	3,314.0	-1,086.5	343.4	1,139.5	3.07	2.50	
3,631.0	25.20	161.20	3,397.8	-1,122.3	356.0	1,177.4	1.82	1.74	
3,722.0	26.50	162.10	3,479.7	-1,160.0	368.5	1,217.1	1.49	1.43	
3,814.0	26.40	162.60	3,562.0	-1,199.0	380.9	1,258.1	0.27	-0.11	
3,906.0	24.30	163.40	3,645.2	-1,236.7	392.4	1,297.5	2.31	-2.28	
3,997.0	23.50	162.20	3,728.4	-1,271.9	403.3	1,334.3	1.03	-0.88	
4,088.0	24.50	161.70	3,811.5	-1,307.1	414.8	1,371.3	1.12	1.10	
4,180.0	24.30	163.10	3,895.3	-1,343.3	426.3	1,409.4	0.67	-0.22	
4,272.0	24.70	163.70	3,979.0	-1,379.9	437.2	1,447.5	0.51	0.43	
4,363.0	27.10	162.50	4,060.8	-1,417.9	448.8	1,487.2	2.70	2.64	
4,455.0	28.00	161.10	4,142.4	-1,458.3	462.1	1,529.8	1.21	0.98	
4,546.0	29.00	161.40	4,222.4	-1,499.5	476.0	1,573.2	1.11	1.10	
4,638.0	29.00	161.20	4,302.8	-1,541.7	490.3	1,617.8	0.11	0.00	
4,729.0	30.10	162.10	4,382.0	-1,584.3	504.4	1,662.7	1.30	1.21	
4,821.0	28.30	162.10	4,462.3	-1,627.0	518.2	1,707.5	1.96	-1.96	
4,912.0	27.50	163.00	4,542.7	-1,667.6	531.0	1,750.1	0.99	-0.88	

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well SGU 8516A-36 B36 496
Project:	Story Gulch	TD Reference:	KBE @ 8374.0ft (Patterson 308)
Site:	S36-T4S-R96W (B36 496)	MVD Reference:	KBE @ 8374.0ft (Patterson 308)
Well:	SGU 8516A-36 B36 496	North Reference:	True
Wellbore:	DD	Survey Calculation Method:	Minimum Curvature
Design:	DD	Database:	EDM 5000.1 US Multi Users DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
5,004.0	26.40	163.50	4,624.7	-1,707.6	543.0	1,791.8	1.22	-1.20	
5,096.0	27.00	161.20	4,706.9	-1,746.9	555.6	1,833.1	1.30	0.65	
5,187.0	27.20	162.30	4,787.9	-1,786.3	568.5	1,874.6	0.59	0.22	
5,279.0	26.80	161.30	4,869.9	-1,826.0	581.6	1,916.4	0.66	-0.43	
5,371.0	26.40	161.10	4,952.2	-1,865.0	594.9	1,957.5	0.45	-0.43	
5,462.0	24.70	162.10	5,034.3	-1,902.2	607.3	1,996.8	1.93	-1.87	
5,554.0	25.20	162.50	5,117.7	-1,939.2	619.1	2,035.6	0.57	0.54	
5,646.0	24.70	163.40	5,201.1	-1,976.3	630.4	2,074.4	0.68	-0.54	
5,738.0	25.10	164.30	5,284.6	-2,013.5	641.2	2,113.1	0.60	0.43	
5,830.0	25.40	162.10	5,367.8	-2,051.1	652.6	2,152.3	1.07	0.33	
5,921.0	25.70	160.70	5,449.9	-2,088.3	665.1	2,191.6	0.74	0.33	
6,013.0	25.90	160.60	5,532.7	-2,126.0	678.3	2,231.6	0.22	0.22	
6,105.0	25.20	162.60	5,615.7	-2,163.7	690.9	2,271.3	1.21	-0.76	
6,197.0	25.40	162.90	5,698.9	-2,201.2	702.5	2,310.6	0.26	0.22	
6,288.0	25.50	163.10	5,781.0	-2,238.6	714.0	2,349.7	0.14	0.11	
6,380.0	25.10	161.90	5,864.2	-2,276.1	725.8	2,389.0	0.71	-0.43	
6,471.0	24.70	161.50	5,946.8	-2,312.5	737.8	2,427.3	0.48	-0.44	
6,563.0	25.30	161.40	6,030.1	-2,349.4	750.2	2,466.2	0.65	0.65	
6,655.0	24.50	162.60	6,113.6	-2,386.2	762.2	2,504.9	1.03	-0.87	
6,746.0	24.20	160.90	6,196.5	-2,421.8	773.9	2,542.4	0.84	-0.33	
6,838.0	23.40	159.90	6,280.7	-2,456.8	786.4	2,579.5	0.97	-0.87	
6,929.0	22.90	160.20	6,364.3	-2,490.4	798.6	2,615.3	0.56	-0.55	
7,021.0	22.20	159.90	6,449.3	-2,523.6	810.6	2,650.5	0.77	-0.76	
7,113.0	22.80	164.10	6,534.3	-2,557.1	821.5	2,685.7	1.86	0.65	
7,204.0	22.30	164.50	6,618.4	-2,590.7	830.9	2,720.6	0.57	-0.55	
7,295.0	23.30	161.80	6,702.2	-2,624.4	841.1	2,755.8	1.59	1.10	
7,387.0	24.90	162.10	6,786.2	-2,660.1	852.8	2,793.4	1.74	1.74	
7,478.0	24.60	163.50	6,868.9	-2,696.5	864.0	2,831.5	0.72	-0.33	
7,570.0	23.10	164.40	6,953.0	-2,732.2	874.3	2,868.7	1.68	-1.63	
7,662.0	23.80	162.80	7,037.4	-2,767.4	884.7	2,905.3	1.03	0.76	
7,753.0	22.90	162.80	7,121.0	-2,801.8	895.3	2,941.3	0.99	-0.99	
7,845.0	22.00	163.10	7,206.0	-2,835.4	905.6	2,976.5	0.99	-0.98	
7,936.0	21.10	162.90	7,290.6	-2,867.4	915.4	3,009.9	0.99	-0.99	
8,028.0	20.20	162.30	7,376.7	-2,898.3	925.1	3,042.3	1.00	-0.98	
8,119.0	20.50	162.70	7,462.0	-2,928.5	934.6	3,074.0	0.36	0.33	
8,211.0	19.80	162.50	7,548.4	-2,958.7	944.1	3,105.7	0.76	-0.76	
8,303.0	18.20	162.50	7,635.4	-2,987.3	953.1	3,135.6	1.74	-1.74	
8,394.0	16.00	163.60	7,722.4	-3,012.9	960.9	3,162.4	2.44	-2.42	
8,486.0	12.80	165.70	7,811.5	-3,034.9	967.0	3,185.3	3.52	-3.48	
8,576.0	11.20	169.90	7,899.5	-3,053.2	971.0	3,203.9	2.02	-1.78	
8,668.0	9.50	165.30	7,990.0	-3,069.4	974.5	3,220.3	2.05	-1.85	
8,760.0	7.50	166.80	8,081.0	-3,082.5	977.8	3,233.9	2.19	-2.17	
8,851.0	5.00	161.60	8,171.4	-3,092.1	980.4	3,243.8	2.81	-2.75	
8,943.0	3.40	147.70	8,263.2	-3,098.2	983.1	3,250.4	2.05	-1.74	
9,035.0	2.00	140.00	8,355.1	-3,101.7	985.6	3,254.6	1.57	-1.52	
9,126.0	0.90	90.80	8,446.0	-3,103.0	987.4	3,256.2	1.72	-1.21	
9,218.0	0.90	110.90	8,538.0	-3,103.2	988.8	3,256.9	0.34	0.00	
9,310.0	1.10	123.90	8,630.0	-3,104.0	990.2	3,258.1	0.33	0.22	
9,401.0	0.40	200.90	8,721.0	-3,104.8	990.8	3,259.0	1.19	-0.77	
9,493.0	0.40	174.40	8,813.0	-3,105.4	990.7	3,259.6	0.20	0.00	
9,579.0	0.40	187.60	8,899.0	-3,106.0	990.7	3,260.1	0.11	0.00	
9,671.0	0.60	331.00	8,991.0	-3,105.9	990.4	3,259.9	1.03	0.22	
9,763.0	0.60	339.40	9,083.0	-3,105.0	990.0	3,259.0	0.10	0.00	

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well SGU 8516A-36 B36 496
Project:	Story Gulch	TVD Reference:	KBE @ 8374.0ft (Patterson 308)
Site:	S36-T4S-R96W (B36 496)	MD Reference:	KBE @ 8374.0ft (Patterson 308)
Well:	SGU 8516A-36 B36 496	North Reference:	True
Wellbore:	DD	Survey Calculation Method:	Minimum Curvature
Design:	DD	Database:	EDM 5000.1 US Multi Users DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Formations / Comments
9,854.0	0.50	308.70	9,174.0	-3,104.3	989.5	3,258.2	0.34	-0.11	
9,946.0	0.80	274.80	9,266.0	-3,104.0	988.6	3,257.6	0.52	0.33	
10,038.0	0.40	347.60	9,358.0	-3,103.6	987.9	3,257.0	0.85	-0.43	
10,129.0	0.30	357.80	9,449.0	-3,103.1	987.8	3,256.5	0.13	-0.11	
10,221.0	0.30	280.40	9,541.0	-3,102.8	987.5	3,256.1	0.41	0.00	
10,312.0	0.40	262.50	9,632.0	-3,102.8	987.0	3,256.0	0.16	0.11	
10,404.0	0.30	21.10	9,724.0	-3,102.6	986.8	3,255.7	0.66	-0.11	
10,496.0	0.20	49.30	9,816.0	-3,102.3	987.0	3,255.5	0.17	-0.11	
10,587.0	0.10	338.10	9,907.0	-3,102.1	987.1	3,255.3	0.21	-0.11	
10,679.0	0.30	220.10	9,999.0	-3,102.2	986.9	3,255.4	0.39	0.22	
10,770.0	0.60	44.70	10,090.0	-3,102.1	987.1	3,255.3	0.99	0.33	
10,862.0	0.40	35.10	10,182.0	-3,101.5	987.6	3,254.9	0.23	-0.22	
10,954.0	0.30	138.80	10,274.0	-3,101.4	987.9	3,254.9	0.60	-0.11	
11,045.0	0.60	179.10	10,365.0	-3,102.0	988.1	3,255.6	0.46	0.33	
11,137.0	0.10	247.10	10,457.0	-3,102.6	988.0	3,256.0	0.62	-0.54	
11,228.0	0.90	21.70	10,548.0	-3,101.9	988.2	3,255.5	1.07	0.88	
11,320.0	0.50	5.50	10,640.0	-3,100.8	988.5	3,254.6	0.48	-0.43	
11,412.0	0.20	4.80	10,732.0	-3,100.3	988.6	3,254.1	0.33	-0.33	
11,503.0	0.50	323.60	10,823.0	-3,099.8	988.4	3,253.5	0.41	0.33	
11,594.0	0.70	336.50	10,914.0	-3,099.0	987.9	3,252.6	0.26	0.22	
11,686.0	0.40	288.10	11,005.9	-3,098.4	987.4	3,251.9	0.57	-0.33	
11,778.0	0.80	339.50	11,097.9	-3,097.7	986.8	3,251.0	0.69	0.43	
11,869.0	0.50	319.20	11,188.9	-3,096.8	986.4	3,250.0	0.41	-0.33	
11,961.0	0.50	290.60	11,280.9	-3,096.3	985.7	3,249.4	0.27	0.00	
12,052.0	0.30	287.60	11,371.9	-3,096.1	985.1	3,249.0	0.22	-0.22	
12,098.0	0.10	204.90	11,417.9	-3,096.1	985.0	3,249.0	0.66	-0.43	
12,235.0	0.30	181.50	11,554.9	-3,096.6	984.9	3,249.4	0.15	0.15	
12,418.0	1.20	231.20	11,737.9	-3,098.3	983.4	3,250.6	0.56	0.49	
12,510.0	1.90	230.30	11,829.9	-3,099.8	981.5	3,251.5	0.76	0.76	
12,599.0	1.90	229.10	11,918.8	-3,101.7	979.2	3,252.6	0.04	0.00	Last Cathedral Survey @ 12,599' MD
12,659.0	1.90	229.10	11,978.8	-3,103.0	977.7	3,253.4	0.00	0.00	Projection to Bit @ 12,659'

Survey Report

Company: EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference: Well SGU 8516A-36 B36 496
Project: Story Gulch	TVD Reference: KBE @ 8374.0ft (Patterson 308)
Site: S36-T4S-R96W (B36 496)	MD Reference: KBE @ 8374.0ft (Patterson 308)
Well: SGU 8516A-36 B36 496	North Reference: True
Wellbore: DD	Survey Calculation Method: Minimum Curvature
Design: DD	Database: EDM 5000.1 US Multi Users DB

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
8516A-36 TOG2 - survey misses target center by 9.6ft at 8969.2ft MD (8289.3 TVD, -3099.4 N, 983.9 E) - Point	0.00	0.00	8,289.0	-3,100.9	993.4	1,674,136.95	2,265,219.23	39° 39' 19.14 N	108° 6' 36.13 W
8516A-36 TOG - survey misses target center by 13.0ft at 9059.9ft MD (8379.9 TVD, -3102.3 N, 986.2 E) - Point	0.00	0.00	8,380.0	-3,110.9	976.4	1,674,127.46	2,265,201.96	39° 39' 19.04 N	108° 6' 36.35 W
8516A-36 PBHL2 - survey misses target center by 11.6ft at 12529.5ft MD (11849.3 TVD, -3100.2 N, 981.0 E) - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	11,849.0	-3,110.9	976.4	1,674,127.46	2,265,201.96	39° 39' 19.04 N	108° 6' 36.35 W
8516A-36 PBHL - survey misses target center by 23.2ft at 12599.0ft MD (11918.8 TVD, -3101.7 N, 979.2 E) - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	11,940.0	-3,110.9	976.4	1,674,127.46	2,265,201.96	39° 39' 19.04 N	108° 6' 36.35 W

Survey Annotations					
Measured Depth	Vertical Depth	Local Coordinates		Comment	
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)		
12,599.0	11,918.8	-3,101.7	979.2	Last Cathedral Survey @ 12,599' MD	
12,659.0	11,978.8	-3,103.0	977.7	Projection to Bit @ 12,659'	

Checked By: _____ Approved By: _____ Date: _____