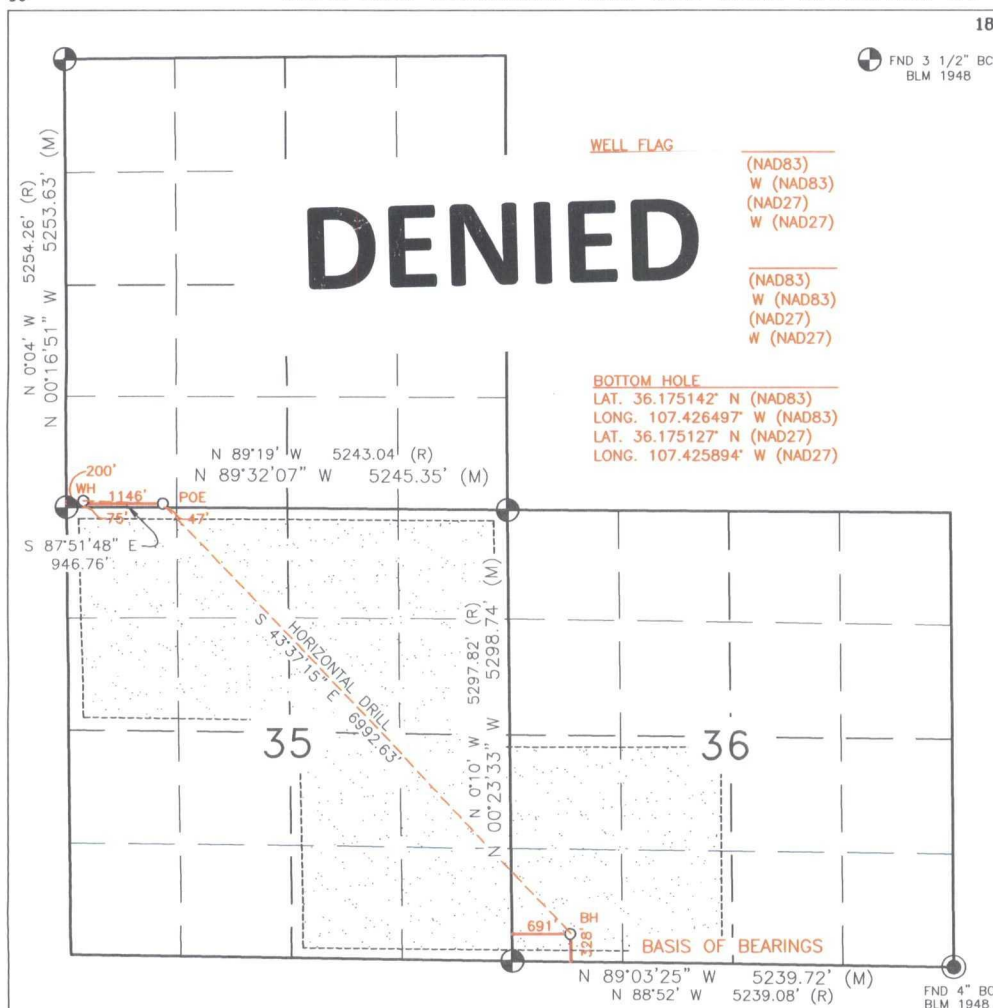


1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3480 Fax: (505) 476-3482



CONFIDENTIAL

DEVIATION SURVEYS
Gallo Canyon Unit M26-2306 01H
30-043-21205

MD (Feet)	Inclination (Degree)
750'	0.80
1066'	1.30
1382'	0.80
1699'	0.40
2010'	0.90
2317'	0.20
2624'	0.20
2932'	0.10
3239'	4.70
3556'	10.10

OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Cristi Bauer

Cristi Bauer, Regulatory Analyst

5/26/15

Date

ACKNOWLEDGMENT

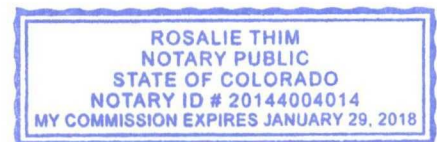
State of Colorado
City and County of Denver

This instrument was acknowledged before me on this 26th day of May, 2015 by Cristi Bauer as Regulatory Analyst of Encana Oil & Gas (USA) Inc., authorized agent for Encana Oil & Gas (USA) Inc., on behalf of said corporation.

In witness whereof, I hereunto set my hand and official seal.

Notary Public: Rosalie Thim

My Commission Expires: 1/29/18



Cameron; Drill Thru; -5.9-0.0

Conductor; 0.00 in; 50.0 ftKB

Surface; 0.00 in; 16.0-524.0 ftKB

Surface Casing Cement; 16.0-524.0; Cement

Auto cement plug; 524.0; Cement

Intermediate; 8 3/4; 5,445.0

Intermediate 1 Casing Cement; 16.0-5,544.0; Cement

Intermediate 1; 7 in; J-55; 5,545.0 ftKB

Intermediate Casing Cement; 16.0-5,545.0; Cement

Production; 6 1/8; 12,780.0

Gallo Canyon Unit M26-2306 01H

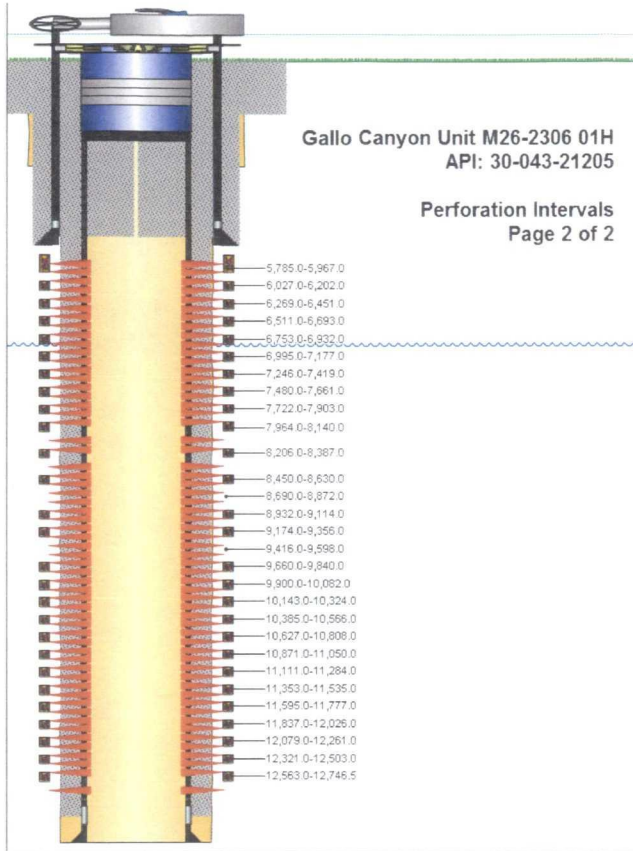
API: 30-043-21205

Page 1 of 2

Liner 1 Cement; 5,442.0-12,775.0; Cement

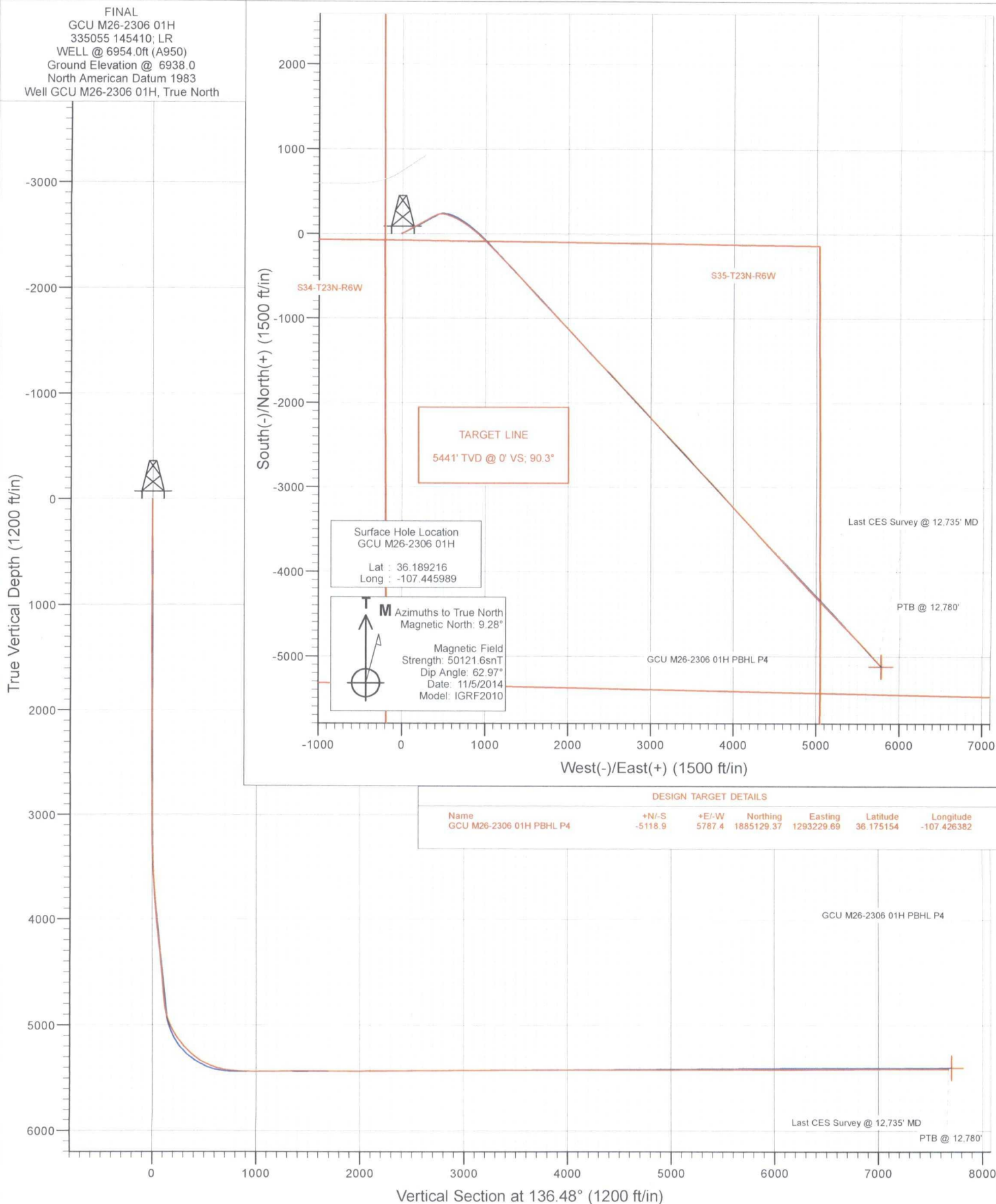
Production Liner; 4 1/2 in; S-80; 5,433.8-12,780.0 ftKB

TD - Original Hole; 12,780.0





Project: Sandoval County, NM
 Site: GCU
 Well: GCU M26-2306 01H
 Wellbore: Hz
 Design: FINAL



Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well GCU M26-2306 01H
Project:	Sandoval County, NM	TVD Reference:	WELL @ 6954.0ft (A950)
Site:	GCU	MD Reference:	WELL @ 6954.0ft (A950)
Well:	GCU M26-2306 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Project	Sandoval County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	GCU				
Site Position:		Northing:	1,888,889.10 ft	Latitude:	36.185100
From:	Lat/Long	Easting:	1,281,990.06 ft	Longitude:	-107.464617
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.72 °

Well	GCU M26-2306 01H					
Well Position	+N/-S	0.0 ft	Northing:	1,890,319.20 ft	Latitude:	36.189216
	+E/-W	0.0 ft	Easting:	1,287,505.84 ft	Longitude:	-107.445989
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,938.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/5/2014	9.28	62.97	50,122

Design	FINAL			
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	136.48

Survey Program	Date	11/17/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
560.0	12,780.0	Survey #1 (Hz)	Geolink 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	
560.0	1.20	272.80	560.0	0.3	-5.9	-4.2	0.21	0.21	
623.0	0.70	95.90	623.0	0.3	-6.1	-4.4	3.01	-0.79	
687.0	1.20	84.70	686.9	0.3	-5.1	-3.7	0.83	0.78	
750.0	0.80	74.10	749.9	0.5	-4.0	-3.1	0.70	-0.63	
813.0	0.70	54.50	812.9	0.8	-3.3	-2.8	0.43	-0.16	
877.0	0.70	37.80	876.9	1.4	-2.7	-2.8	0.32	0.00	
940.0	0.70	14.00	939.9	2.0	-2.4	-3.1	0.46	0.00	
1,003.0	0.80	8.10	1,002.9	2.8	-2.2	-3.6	0.20	0.16	
1,066.0	1.30	335.90	1,065.9	3.9	-2.4	-4.5	1.20	0.79	
1,129.0	0.60	9.30	1,128.9	4.9	-2.7	-5.4	1.37	-1.11	
1,193.0	0.70	48.00	1,192.9	5.5	-2.3	-5.6	0.69	0.16	
1,256.0	0.80	69.30	1,255.9	5.9	-1.6	-5.4	0.47	0.16	

Survey Report

Company: EnCana Oil & Gas (USA) Inc
Project: Sandoval County, NM
Site: GCU
Well: GCU M26-2306 01H
Wellbore: Hz
Design: FINAL

Local Co-ordinate Reference: Well GCU M26-2306 01H
TVD Reference: WELL @ 6954.0ft (A950)
MD Reference: WELL @ 6954.0ft (A950)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: USA EDM 5000 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
1,319.0	0.90	59.40	1,318.9	6.3	-0.8	-5.1	0.28	0.16	
1,382.0	0.80	45.90	1,381.9	6.9	-0.1	-5.0	0.35	-0.16	
1,446.0	0.60	87.40	1,445.9	7.2	0.6	-4.8	0.83	-0.31	
1,509.0	0.30	155.20	1,508.9	7.1	1.0	-4.5	0.89	-0.48	
1,572.0	0.30	112.50	1,571.9	6.9	1.2	-4.1	0.35	0.00	
1,635.0	0.40	103.80	1,634.9	6.7	1.6	-3.8	0.18	0.16	
1,699.0	0.40	83.70	1,698.9	6.7	2.0	-3.5	0.22	0.00	
1,762.0	0.50	202.80	1,761.9	6.5	2.1	-3.2	1.23	0.16	
1,825.0	0.90	205.50	1,824.9	5.8	1.8	-3.0	0.64	0.63	
1,887.0	0.60	200.00	1,886.9	5.0	1.5	-2.6	0.50	-0.48	
1,948.0	0.80	187.40	1,947.9	4.3	1.3	-2.2	0.41	0.33	
2,010.0	0.90	188.10	2,009.8	3.4	1.2	-1.6	0.16	0.16	
2,071.0	0.70	279.30	2,070.8	3.0	0.8	-1.6	1.89	-0.33	
2,133.0	0.50	314.60	2,132.8	3.2	0.2	-2.2	0.66	-0.32	
2,194.0	0.60	271.60	2,193.8	3.4	-0.3	-2.7	0.68	0.16	
2,256.0	1.10	282.10	2,255.8	3.6	-1.2	-3.4	0.84	0.81	
2,317.0	0.20	191.70	2,316.8	3.6	-1.8	-3.9	1.84	-1.48	
2,379.0	0.30	168.20	2,378.8	3.3	-1.8	-3.7	0.23	0.16	
2,440.0	0.20	99.30	2,439.8	3.2	-1.7	-3.4	0.48	-0.16	
2,502.0	0.10	208.20	2,501.8	3.1	-1.6	-3.3	0.40	-0.16	
2,563.0	0.20	114.60	2,562.8	3.0	-1.5	-3.2	0.38	0.16	
2,624.0	0.20	37.30	2,623.8	3.0	-1.3	-3.1	0.41	0.00	
2,686.0	0.30	62.50	2,685.8	3.2	-1.1	-3.1	0.24	0.16	
2,747.0	0.10	279.90	2,746.8	3.3	-1.1	-3.1	0.63	-0.33	
2,809.0	0.10	64.50	2,808.8	3.3	-1.1	-3.1	0.31	0.00	
2,870.0	0.10	172.10	2,869.8	3.3	-1.0	-3.1	0.26	0.00	
2,932.0	0.10	279.30	2,931.8	3.2	-1.0	-3.1	0.26	0.00	
2,994.0	0.10	91.70	2,993.8	3.3	-1.0	-3.1	0.32	0.00	
3,055.0	0.90	44.00	3,054.8	3.6	-0.7	-3.1	1.37	1.31	
3,116.0	2.60	63.30	3,115.8	4.6	0.9	-2.7	2.91	2.79	
3,178.0	3.50	66.60	3,177.7	5.9	3.9	-1.6	1.48	1.45	
3,239.0	4.70	64.50	3,238.5	7.8	7.9	-0.2	1.98	1.97	
3,303.0	5.60	70.50	3,302.3	9.9	13.2	1.9	1.64	1.41	
3,366.0	6.90	66.90	3,364.9	12.4	19.6	4.4	2.15	2.06	
3,429.0	7.80	64.70	3,427.4	15.8	26.9	7.1	1.50	1.43	
3,493.0	8.80	60.70	3,490.7	20.0	35.1	9.7	1.80	1.56	
3,556.0	10.10	61.60	3,552.9	25.0	44.2	12.3	2.08	2.06	
3,619.0	11.10	60.50	3,614.8	30.6	54.3	15.2	1.62	1.59	
3,682.0	12.40	64.70	3,676.5	36.5	65.7	18.8	2.47	2.06	
3,745.0	14.20	63.90	3,737.8	42.8	78.7	23.2	2.87	2.86	
3,809.0	15.60	61.10	3,799.6	50.4	93.3	27.7	2.46	2.19	
3,872.0	16.90	60.40	3,860.1	59.0	108.7	32.1	2.09	2.06	
3,935.0	18.20	60.50	3,920.2	68.4	125.2	36.7	2.06	2.06	
3,998.0	18.60	63.00	3,980.0	77.8	142.8	41.9	1.40	0.63	
4,061.0	19.90	62.60	4,039.4	87.3	161.2	47.7	2.07	2.06	
4,124.0	21.10	61.20	4,098.4	97.7	180.7	53.6	2.06	1.90	
4,188.0	20.10	59.40	4,158.4	108.8	200.2	59.0	1.85	-1.56	
4,251.0	21.20	61.70	4,217.3	119.7	219.6	64.4	2.17	1.75	
4,314.0	21.80	62.50	4,275.9	130.5	240.0	70.6	1.06	0.95	
4,377.0	20.90	59.90	4,334.6	141.6	260.1	76.4	2.07	-1.43	
4,441.0	19.50	60.30	4,394.7	152.6	279.3	81.6	2.20	-2.19	
4,504.0	18.80	63.30	4,454.2	162.4	297.5	87.1	1.92	-1.11	
4,567.0	19.80	63.00	4,513.6	171.8	316.0	93.1	1.60	1.59	

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well GCU M26-2306 01H
Project:	Sandoval County, NM	TVD Reference:	WELL @ 6954.0ft (A950)
Site:	GCU	MD Reference:	WELL @ 6954.0ft (A950)
Well:	GCU M26-2306 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 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	
4,630.0	19.50	61.60	4,573.0	181.6	334.8	98.8	0.89	-0.48		
4,694.0	18.30	61.80	4,633.5	191.4	353.0	104.3	1.88	-1.87		
4,757.0	18.30	62.20	4,693.3	200.7	370.5	109.6	0.20	0.00		
4,820.0	18.60	62.90	4,753.1	209.9	388.2	115.1	0.59	0.48		
4,852.0	18.60	62.90	4,783.4	214.6	397.3	118.0	0.00	0.00		
4,883.0	20.00	63.90	4,812.7	219.2	406.4	121.0	4.64	4.52		
4,915.0	22.50	67.60	4,842.5	223.9	417.0	124.8	8.86	7.81		
4,946.0	24.40	73.10	4,870.9	228.0	428.6	129.8	9.34	6.13		
4,978.0	26.20	78.90	4,899.9	231.3	441.9	136.6	9.57	5.62		
5,010.0	27.30	84.00	4,928.5	233.4	456.1	144.8	7.95	3.44		
5,041.0	28.60	89.00	4,955.8	234.3	470.6	154.2	8.64	4.19		
5,073.0	30.10	93.30	4,983.7	234.0	486.3	165.2	8.08	4.69		
5,105.0	31.60	97.50	5,011.2	232.4	502.6	177.6	8.20	4.69		
5,136.0	33.50	102.30	5,037.3	229.5	519.0	191.0	10.34	6.13		
5,168.0	35.00	105.30	5,063.8	225.2	536.5	206.1	7.06	4.69		
5,199.0	36.00	108.70	5,089.0	220.0	553.7	221.8	7.14	3.23		
5,231.0	37.80	111.20	5,114.6	213.4	571.8	239.0	7.32	5.62		
5,263.0	39.80	113.10	5,139.6	205.8	590.3	257.3	7.27	6.25		
5,294.0	41.90	114.80	5,163.0	197.6	608.9	276.0	7.66	6.77		
5,326.0	43.60	116.20	5,186.5	188.2	628.5	296.3	6.09	5.31		
5,358.0	45.00	117.40	5,209.4	178.2	648.4	317.3	5.10	4.37		
5,389.0	46.50	118.60	5,231.0	167.7	668.0	338.4	5.58	4.84		
5,421.0	49.00	119.10	5,252.6	156.3	688.8	360.9	7.90	7.81		
5,453.0	51.90	120.40	5,272.9	144.1	710.2	384.6	9.59	9.06		
5,484.0	53.70	122.10	5,291.7	131.2	731.3	408.4	7.27	5.81		
5,516.0	55.40	122.70	5,310.2	117.3	753.3	433.7	5.53	5.31		
5,547.0	57.80	124.20	5,327.3	103.0	774.9	458.9	8.73	7.74		
5,577.0	60.70	125.70	5,342.6	88.2	796.0	484.2	10.58	9.67		
5,601.0	63.50	126.80	5,353.9	75.7	813.1	505.0	12.35	11.67		
5,633.0	65.40	126.40	5,367.7	58.5	836.3	533.5	6.04	5.94		
5,665.0	68.10	128.40	5,380.3	40.6	859.6	562.5	10.21	8.44		
5,696.0	71.50	130.60	5,391.0	22.1	882.1	591.4	12.83	10.97		
5,728.0	74.70	131.20	5,400.3	2.1	905.2	621.8	10.16	10.00		
5,760.0	76.50	132.50	5,408.3	-18.6	928.3	652.7	6.86	5.62		
5,791.0	78.70	133.90	5,414.9	-39.3	950.4	683.0	8.36	7.10		
5,823.0	80.90	134.40	5,420.6	-61.3	973.0	714.4	7.04	6.87		
5,854.0	83.00	134.40	5,424.9	-82.7	994.9	745.1	6.77	6.77		
5,918.0	86.40	135.70	5,430.8	-127.8	1,039.9	808.8	5.68	5.31		
5,981.0	89.20	134.80	5,433.3	-172.5	1,084.2	871.7	4.67	4.44		
6,044.0	89.70	135.50	5,433.9	-217.2	1,128.7	934.7	1.37	0.79		
6,107.0	90.90	136.60	5,433.5	-262.6	1,172.4	997.7	2.58	1.90		
6,170.0	90.00	134.80	5,433.0	-307.6	1,216.4	1,060.7	3.19	-1.43		
6,234.0	90.00	134.20	5,433.0	-352.5	1,262.0	1,124.6	0.94	0.00		
6,297.0	90.80	136.20	5,432.6	-397.2	1,306.4	1,187.6	3.42	1.27		
6,360.0	90.80	135.50	5,431.7	-442.4	1,350.3	1,250.6	1.11	0.00		
6,423.0	89.70	137.00	5,431.4	-487.9	1,393.9	1,313.6	2.95	-1.75		
6,487.0	90.80	138.00	5,431.2	-535.1	1,437.1	1,377.6	2.32	1.72		
6,550.0	91.00	137.60	5,430.2	-581.8	1,479.4	1,440.6	0.71	0.32		
6,613.0	88.90	136.70	5,430.2	-627.9	1,522.2	1,503.6	3.63	-3.33		
6,676.0	90.60	138.10	5,430.5	-674.3	1,564.9	1,566.5	3.50	2.70		
6,740.0	90.70	137.00	5,429.8	-721.5	1,608.1	1,630.5	1.73	0.16		
6,803.0	88.70	136.40	5,430.1	-767.4	1,651.3	1,693.5	3.31	-3.17		
6,866.0	89.10	136.40	5,431.3	-813.0	1,694.7	1,756.5	0.63	0.63		

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well GCU M26-2306 01H
Project:	Sandoval County, NM	TVD Reference:	WELL @ 6954.0ft (A950)
Site:	GCU	MD Reference:	WELL @ 6954.0ft (A950)
Well:	GCU M26-2306 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 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
6,929.0	89.30	136.60	5,432.2	-858.7	1,738.1	1,819.5	0.45	0.32	
6,993.0	89.60	136.10	5,432.8	-905.0	1,782.2	1,883.5	0.91	0.47	
7,056.0	90.20	135.90	5,432.9	-950.3	1,826.0	1,946.5	1.00	0.95	
7,119.0	90.30	135.30	5,432.6	-995.3	1,870.1	2,009.5	0.97	0.16	
7,182.0	91.00	135.10	5,431.9	-1,040.0	1,914.5	2,072.5	1.16	1.11	
7,245.0	90.40	135.80	5,431.2	-1,084.9	1,958.7	2,135.5	1.46	-0.95	
7,309.0	91.20	135.80	5,430.3	-1,130.8	2,003.3	2,199.4	1.25	1.25	
7,372.0	90.90	137.40	5,429.1	-1,176.5	2,046.6	2,262.4	2.58	-0.48	
7,435.0	90.80	137.20	5,428.2	-1,222.8	2,089.3	2,325.4	0.35	-0.16	
7,498.0	90.10	137.30	5,427.7	-1,269.1	2,132.0	2,388.4	1.12	-1.11	
7,561.0	90.10	137.20	5,427.6	-1,315.4	2,174.8	2,451.4	0.16	0.00	
7,625.0	90.40	136.80	5,427.3	-1,362.2	2,218.5	2,515.4	0.78	0.47	
7,688.0	90.90	136.60	5,426.6	-1,408.0	2,261.7	2,578.4	0.85	0.79	
7,751.0	90.00	136.00	5,426.1	-1,453.6	2,305.2	2,641.4	1.72	-1.43	
7,814.0	90.40	135.00	5,425.9	-1,498.5	2,349.3	2,704.4	1.71	0.63	
7,878.0	90.40	135.20	5,425.4	-1,543.8	2,394.5	2,768.4	0.31	0.00	
7,941.0	90.80	134.40	5,424.8	-1,588.2	2,439.2	2,831.3	1.42	0.63	
8,002.0	90.00	135.70	5,424.3	-1,631.4	2,482.3	2,892.3	2.50	-1.31	
8,064.0	90.10	135.80	5,424.3	-1,675.8	2,525.6	2,954.3	0.23	0.16	
8,125.0	89.80	136.20	5,424.3	-1,719.7	2,567.9	3,015.3	0.82	-0.49	
8,187.0	90.10	138.10	5,424.4	-1,765.1	2,610.1	3,077.3	3.10	0.48	
8,248.0	90.30	137.10	5,424.2	-1,810.2	2,651.2	3,138.3	1.67	0.33	
8,310.0	90.00	135.60	5,424.0	-1,855.0	2,694.0	3,200.3	2.47	-0.48	
8,371.0	90.70	136.40	5,423.6	-1,898.9	2,736.4	3,261.3	1.74	1.15	
8,432.0	90.80	136.00	5,422.8	-1,942.9	2,778.6	3,322.3	0.68	0.16	
8,494.0	90.20	136.50	5,422.3	-1,987.7	2,821.5	3,384.3	1.26	-0.97	
8,555.0	90.40	136.00	5,422.0	-2,031.8	2,863.7	3,445.3	0.88	0.33	
8,617.0	90.30	137.30	5,421.6	-2,076.9	2,906.2	3,507.3	2.10	-0.16	
8,678.0	90.50	137.30	5,421.2	-2,121.7	2,947.6	3,568.2	0.33	0.33	
8,740.0	91.10	137.60	5,420.3	-2,167.4	2,989.5	3,630.2	1.08	0.97	
8,801.0	88.40	134.60	5,420.6	-2,211.3	3,031.8	3,691.2	6.62	-4.43	
8,863.0	88.70	136.20	5,422.1	-2,255.4	3,075.3	3,753.2	2.62	0.48	
8,924.0	90.10	136.40	5,422.8	-2,299.5	3,117.5	3,814.2	2.32	2.30	
8,986.0	90.40	136.30	5,422.5	-2,344.4	3,160.3	3,876.2	0.51	0.48	
9,047.0	91.10	136.10	5,421.7	-2,388.4	3,202.5	3,937.2	1.19	1.15	
9,109.0	90.10	136.60	5,421.1	-2,433.3	3,245.3	3,999.2	1.80	-1.61	
9,170.0	90.30	136.50	5,420.9	-2,477.6	3,287.2	4,060.2	0.37	0.33	
9,232.0	90.70	135.80	5,420.3	-2,522.3	3,330.2	4,122.2	1.30	0.65	
9,293.0	89.60	134.50	5,420.2	-2,565.5	3,373.2	4,183.1	2.79	-1.80	
9,355.0	89.70	136.00	5,420.5	-2,609.5	3,416.8	4,245.1	2.42	0.16	
9,418.0	89.70	138.50	5,420.9	-2,655.8	3,459.6	4,308.1	3.97	0.00	
9,481.0	90.10	138.40	5,421.0	-2,702.9	3,501.4	4,371.1	0.65	0.63	
9,544.0	90.70	137.40	5,420.5	-2,749.7	3,543.6	4,434.1	1.85	0.95	
9,607.0	90.10	136.50	5,420.1	-2,795.7	3,586.6	4,497.1	1.72	-0.95	
9,671.0	90.40	136.60	5,419.8	-2,842.2	3,630.6	4,561.1	0.49	0.47	
9,734.0	90.70	135.70	5,419.2	-2,887.6	3,674.3	4,624.0	1.51	0.48	
9,797.0	89.20	135.30	5,419.3	-2,932.6	3,718.4	4,687.0	2.46	-2.38	
9,860.0	89.20	136.70	5,420.1	-2,977.9	3,762.2	4,750.0	2.22	0.00	
9,923.0	89.70	137.30	5,420.7	-3,023.9	3,805.2	4,813.0	1.24	0.79	
9,987.0	90.40	135.80	5,420.7	-3,070.4	3,849.2	4,877.0	2.59	1.09	
10,050.0	89.80	138.00	5,420.6	-3,116.4	3,892.2	4,940.0	3.62	-0.95	
10,113.0	90.10	136.90	5,420.6	-3,162.8	3,934.8	5,003.0	1.81	0.48	
10,176.0	90.50	136.30	5,420.3	-3,208.6	3,978.1	5,066.0	1.14	0.63	

Survey Report

Company: EnCana Oil & Gas (USA) Inc
Project: Sandoval County, NM
Site: GCU
Well: GCU M26-2306 01H
Wellbore: Hz
Design: FINAL

Local Co-ordinate Reference: Well GCU M26-2306 01H
TVD Reference: WELL @ 6954.0ft (A950)
MD Reference: WELL @ 6954.0ft (A950)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: USA EDM 5000 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
10,240.0	90.10	137.90	5,420.0	-3,255.5	4,021.7	5,130.0	2.58	-0.62	
10,303.0	90.70	138.00	5,419.5	-3,302.2	4,063.9	5,193.0	0.97	0.95	
10,366.0	89.40	137.90	5,419.5	-3,349.0	4,106.1	5,256.0	2.07	-2.06	
10,429.0	90.00	136.70	5,419.8	-3,395.3	4,148.8	5,318.9	2.13	0.95	
10,493.0	90.20	136.50	5,419.7	-3,441.8	4,192.8	5,382.9	0.44	0.31	
10,556.0	90.50	135.80	5,419.3	-3,487.3	4,236.4	5,445.9	1.21	0.48	
10,619.0	91.10	135.20	5,418.4	-3,532.2	4,280.5	5,508.9	1.35	0.95	
10,682.0	90.60	136.50	5,417.5	-3,577.4	4,324.4	5,571.9	2.21	-0.79	
10,745.0	89.00	137.80	5,417.7	-3,623.6	4,367.3	5,634.9	3.27	-2.54	
10,809.0	89.40	137.10	5,418.6	-3,670.7	4,410.5	5,698.9	1.26	0.62	
10,872.0	89.90	137.00	5,419.0	-3,716.8	4,453.5	5,761.9	0.81	0.79	
10,935.0	90.50	136.10	5,418.8	-3,762.6	4,496.8	5,824.9	1.72	0.95	
10,998.0	90.30	135.90	5,418.3	-3,807.9	4,540.6	5,887.9	0.45	-0.32	
11,062.0	89.10	138.10	5,418.7	-3,854.7	4,584.2	5,951.9	3.92	-1.87	
11,125.0	89.80	137.60	5,419.3	-3,901.4	4,626.5	6,014.8	1.37	1.11	
11,188.0	90.30	137.20	5,419.2	-3,947.8	4,669.1	6,077.8	1.02	0.79	
11,251.0	90.80	137.30	5,418.6	-3,994.0	4,711.9	6,140.8	0.81	0.79	
11,314.0	90.00	137.30	5,418.2	-4,040.3	4,754.6	6,203.8	1.27	-1.27	
11,378.0	90.30	137.30	5,418.0	-4,087.3	4,798.0	6,267.8	0.47	0.47	
11,441.0	91.10	136.90	5,417.2	-4,133.5	4,840.9	6,330.8	1.42	1.27	
11,504.0	89.20	136.80	5,417.1	-4,179.5	4,884.0	6,393.8	3.02	-3.02	
11,567.0	89.70	136.50	5,417.7	-4,225.3	4,927.2	6,456.8	0.93	0.79	
11,630.0	90.60	135.80	5,417.5	-4,270.7	4,970.9	6,519.8	1.81	1.43	
11,694.0	90.30	137.20	5,417.0	-4,317.1	5,014.9	6,583.8	2.24	-0.47	
11,757.0	90.80	136.60	5,416.4	-4,363.1	5,058.0	6,646.8	1.24	0.79	
11,820.0	91.30	136.10	5,415.2	-4,408.7	5,101.4	6,709.8	1.12	0.79	
11,883.0	90.80	135.90	5,414.1	-4,454.0	5,145.2	6,772.8	0.85	-0.79	
11,946.0	89.30	136.10	5,414.0	-4,499.3	5,188.9	6,835.8	2.40	-2.38	
12,010.0	89.90	135.10	5,414.5	-4,545.0	5,233.7	6,899.7	1.82	0.94	
12,073.0	90.50	134.70	5,414.3	-4,589.5	5,278.4	6,962.7	1.14	0.95	
12,136.0	90.10	136.60	5,413.9	-4,634.6	5,322.4	7,025.7	3.08	-0.63	
12,199.0	90.80	136.30	5,413.4	-4,680.2	5,365.8	7,088.7	1.21	1.11	
12,262.0	89.50	136.00	5,413.3	-4,725.6	5,409.4	7,151.7	2.12	-2.06	
12,326.0	90.00	135.70	5,413.6	-4,771.6	5,454.0	7,215.7	0.91	0.78	
12,389.0	90.80	134.70	5,413.1	-4,816.3	5,498.4	7,278.7	2.03	1.27	
12,452.0	90.00	136.00	5,412.7	-4,861.1	5,542.7	7,341.7	2.42	-1.27	
12,515.0	90.20	135.90	5,412.6	-4,906.4	5,586.5	7,404.7	0.35	0.32	
12,578.0	90.80	134.90	5,412.0	-4,951.2	5,630.7	7,467.7	1.85	0.95	
12,642.0	89.60	137.00	5,411.8	-4,997.2	5,675.2	7,531.6	3.78	-1.87	
12,705.0	89.90	136.50	5,412.1	-5,043.1	5,718.4	7,594.6	0.93	0.48	
12,735.0	90.00	136.30	5,412.1	-5,064.8	5,739.1	7,624.6	0.75	0.33	Last CES Survey @ 12,735' MD PTB @ 12,780'
12,780.0	90.00	136.30	5,412.1	-5,097.4	5,770.2	7,669.6	0.00	0.00	

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well GCU M26-2306 01H
Project:	Sandoval County, NM	TVD Reference:	WELL @ 6954.0ft (A950)
Site:	GCU	MD Reference:	WELL @ 6954.0ft (A950)
Well:	GCU M26-2306 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
GCU M26-2306 01H PB - survey misses target center by 30.9ft at 12780.0ft MD (5412.1 TVD, -5097.4 N, 5770.2 E) - Point	0.00	0.00	5,426.1	-5,118.9	5,787.4	1,885,129.37	1,293,229.69	36.175154	-107.426382
GCU M26-2306 01H PB - survey misses target center by 29.8ft at 12780.0ft MD (5412.1 TVD, -5097.4 N, 5770.2 E) - Point	0.00	0.00	5,400.7	-5,118.9	5,787.4	1,885,129.37	1,293,229.69	36.175154	-107.426382
GCU M26-2306 01H PO - survey misses target center by 11.2ft at 5883.0ft MD (5428.1 TVD, -103.0 N, 1015.4 E) - Point	0.00	0.00	5,436.9	-97.6	1,019.6	1,890,209.09	1,288,524.19	36.188948	-107.442534
GCU M26-2306 01H PB - survey misses target center by 28.7ft at 12780.0ft MD (5412.1 TVD, -5097.4 N, 5770.2 E) - Point	0.00	0.00	5,404.1	-5,118.9	5,787.4	1,885,129.37	1,293,229.69	36.175154	-107.426382

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
12,735.0	5,412.1	-5,064.8	5,739.1	Last CES Survey @ 12,735' MD PTB @ 12,780'
12,780.0	5,412.1	-5,097.4	5,770.2	

Checked By: _____	Approved By: _____	Date: _____
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EnCana Oil & Gas (USA) Inc

Sandoval County, NM

GCU

GCU M26-2306 01H

Hz

Survey: Survey #1

Survey Report - Geographic

17 November, 2014

Survey Report - Geographic

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well GCU M26-2306 01H
Project:	Sandoval County, NM	TVD Reference:	WELL @ 6954.0ft (A950)
Site:	GCU	MD Reference:	WELL @ 6954.0ft (A950)
Well:	GCU M26-2306 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Project	Sandoval County, NM		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Site	GCU				
Site Position:		Northing:	1,888,889.11 ft	Latitude:	36.185100
From:	Lat/Long	Easting:	1,281,990.05 ft	Longitude:	-107.464617
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-0.72 °

Well	GCU M26-2306 01H					
Well Position	+N/-S	0.0 ft	Northing:	1,890,319.20 ft	Latitude:	36.189216
	+E/-W	0.0 ft	Easting:	1,287,505.84 ft	Longitude:	-107.445989
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,938.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/5/2014	9.28	62.97	50,122

Design	FINAL				
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	136.48	

Survey Program	Date	11/17/2014			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
560.0	12,780.0	Survey #1 (Hz)	Geolink MWD	Geolink MWD	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	1,890,319.20	1,287,505.84	36.189216	-107.445989
560.0	1.20	272.80	560.0	0.3	-5.9	1,890,319.56	1,287,499.98	36.189217	-107.446009
623.0	0.70	95.90	623.0	0.3	-6.1	1,890,319.55	1,287,499.71	36.189217	-107.446010
687.0	1.20	84.70	686.9	0.3	-5.1	1,890,319.56	1,287,500.77	36.189217	-107.446006
750.0	0.80	74.10	749.9	0.5	-4.0	1,890,319.73	1,287,501.85	36.189217	-107.446003
813.0	0.70	54.50	812.9	0.8	-3.3	1,890,320.07	1,287,502.59	36.189218	-107.446000
877.0	0.70	37.80	876.9	1.4	-2.7	1,890,320.59	1,287,503.15	36.189220	-107.445998
940.0	0.70	14.00	939.9	2.0	-2.4	1,890,321.27	1,287,503.49	36.189222	-107.445997
1,003.0	0.80	8.10	1,002.9	2.8	-2.2	1,890,322.08	1,287,503.65	36.189224	-107.445997
1,066.0	1.30	335.90	1,065.9	3.9	-2.4	1,890,323.17	1,287,503.44	36.189227	-107.445998
1,129.0	0.60	9.30	1,128.9	4.9	-2.7	1,890,324.15	1,287,503.21	36.189230	-107.445998
1,193.0	0.70	48.00	1,192.9	5.5	-2.3	1,890,324.73	1,287,503.56	36.189231	-107.445997

Survey Report - Geographic

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well GCU M26-2306 01H
Project:	Sandoval County, NM	TVD Reference:	WELL @ 6954.0ft (A950)
Site:	GCU	MD Reference:	WELL @ 6954.0ft (A950)
Well:	GCU M26-2306 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
1,256.0	0.80	69.30	1,255.9	5.9	-1.6	1,890,325.14	1,287,504.27	36.189232	-107.445995
1,319.0	0.90	59.40	1,318.9	6.3	-0.8	1,890,325.54	1,287,505.11	36.189233	-107.445992
1,382.0	0.80	45.90	1,381.9	6.9	-0.1	1,890,326.08	1,287,505.86	36.189235	-107.445989
1,446.0	0.60	87.40	1,445.9	7.2	0.6	1,890,326.40	1,287,506.52	36.189236	-107.445987
1,509.0	0.30	155.20	1,508.9	7.1	1.0	1,890,326.26	1,287,506.91	36.189236	-107.445986
1,572.0	0.30	112.50	1,571.9	6.9	1.2	1,890,326.05	1,287,507.13	36.189235	-107.445985
1,635.0	0.40	103.80	1,634.9	6.7	1.6	1,890,325.93	1,287,507.50	36.189235	-107.445984
1,699.0	0.40	83.70	1,698.9	6.7	2.0	1,890,325.89	1,287,507.94	36.189235	-107.445982
1,762.0	0.50	202.80	1,761.9	6.5	2.1	1,890,325.66	1,287,508.04	36.189234	-107.445982
1,825.0	0.90	205.50	1,824.9	5.8	1.8	1,890,324.97	1,287,507.72	36.189232	-107.445983
1,887.0	0.60	200.00	1,886.9	5.0	1.5	1,890,324.23	1,287,507.39	36.189230	-107.445984
1,948.0	0.80	187.40	1,947.9	4.3	1.3	1,890,323.51	1,287,507.21	36.189228	-107.445985
2,010.0	0.90	188.10	2,009.8	3.4	1.2	1,890,322.60	1,287,507.08	36.189225	-107.445985
2,071.0	0.70	279.30	2,070.8	3.0	0.8	1,890,322.19	1,287,506.64	36.189224	-107.445987
2,133.0	0.50	314.60	2,132.8	3.2	0.2	1,890,322.45	1,287,506.07	36.189225	-107.445989
2,194.0	0.60	271.60	2,193.8	3.4	-0.3	1,890,322.65	1,287,505.57	36.189226	-107.445990
2,256.0	1.10	282.10	2,255.8	3.6	-1.2	1,890,322.79	1,287,504.66	36.189226	-107.445993
2,317.0	0.20	191.70	2,316.8	3.6	-1.8	1,890,322.82	1,287,504.07	36.189226	-107.445995
2,379.0	0.30	168.20	2,378.8	3.3	-1.8	1,890,322.55	1,287,504.08	36.189225	-107.445995
2,440.0	0.20	99.30	2,439.8	3.2	-1.7	1,890,322.38	1,287,504.21	36.189225	-107.445995
2,502.0	0.10	208.20	2,501.8	3.1	-1.6	1,890,322.31	1,287,504.29	36.189225	-107.445995
2,563.0	0.20	114.60	2,562.8	3.0	-1.5	1,890,322.22	1,287,504.36	36.189224	-107.445994
2,624.0	0.20	37.30	2,623.8	3.0	-1.3	1,890,322.26	1,287,504.53	36.189224	-107.445994
2,686.0	0.30	62.50	2,685.8	3.2	-1.1	1,890,322.42	1,287,504.74	36.189225	-107.445993
2,747.0	0.10	279.90	2,746.8	3.3	-1.1	1,890,322.50	1,287,504.83	36.189225	-107.445993
2,809.0	0.10	64.50	2,808.8	3.3	-1.1	1,890,322.53	1,287,504.82	36.189225	-107.445993
2,870.0	0.10	172.10	2,869.8	3.3	-1.0	1,890,322.50	1,287,504.88	36.189225	-107.445993
2,932.0	0.10	279.30	2,931.8	3.2	-1.0	1,890,322.46	1,287,504.83	36.189225	-107.445993
2,994.0	0.10	91.70	2,993.8	3.3	-1.0	1,890,322.46	1,287,504.83	36.189225	-107.445993
3,055.0	0.90	44.00	3,054.8	3.6	-0.7	1,890,322.80	1,287,505.22	36.189226	-107.445992
3,116.0	2.60	63.30	3,115.8	4.6	0.9	1,890,323.75	1,287,506.80	36.189229	-107.445986
3,178.0	3.50	66.60	3,177.7	5.9	3.9	1,890,325.09	1,287,509.81	36.189232	-107.445976
3,239.0	4.70	64.50	3,238.5	7.8	7.9	1,890,326.86	1,287,513.80	36.189237	-107.445963
3,303.0	5.60	70.50	3,302.3	9.9	13.2	1,890,328.97	1,287,519.14	36.189243	-107.445945
3,366.0	6.90	66.90	3,364.9	12.4	19.6	1,890,331.40	1,287,525.55	36.189250	-107.445923
3,429.0	7.80	64.70	3,427.4	15.8	26.9	1,890,334.62	1,287,532.93	36.189259	-107.445898
3,493.0	8.80	60.70	3,490.7	20.0	35.1	1,890,338.77	1,287,541.18	36.189271	-107.445870
3,556.0	10.10	61.60	3,552.9	25.0	44.2	1,890,343.64	1,287,550.30	36.189285	-107.445840
3,619.0	11.10	60.50	3,614.8	30.6	54.3	1,890,349.13	1,287,560.51	36.189300	-107.445805
3,682.0	12.40	64.70	3,676.5	36.5	65.7	1,890,354.87	1,287,571.98	36.189316	-107.445767
3,745.0	14.20	63.90	3,737.8	42.8	78.7	1,890,361.00	1,287,585.11	36.189334	-107.445722
3,809.0	15.60	61.10	3,799.6	50.4	93.3	1,890,368.43	1,287,599.78	36.189354	-107.445673
3,872.0	16.90	60.40	3,860.1	59.0	108.7	1,890,376.86	1,287,615.27	36.189378	-107.445621
3,935.0	18.20	60.50	3,920.2	68.4	125.2	1,890,386.02	1,287,631.91	36.189404	-107.445565
3,998.0	18.60	63.00	3,980.0	77.8	142.8	1,890,395.21	1,287,649.54	36.189430	-107.445506
4,061.0	19.90	62.60	4,039.4	87.3	161.2	1,890,404.48	1,287,668.13	36.189456	-107.445443
4,124.0	21.10	61.20	4,098.4	97.7	180.7	1,890,414.64	1,287,687.71	36.189484	-107.445377
4,188.0	20.10	59.40	4,158.4	108.8	200.2	1,890,425.54	1,287,707.41	36.189515	-107.445311
4,251.0	21.20	61.70	4,217.3	119.7	219.6	1,890,436.21	1,287,726.89	36.189545	-107.445245
4,314.0	21.80	62.50	4,275.9	130.5	240.0	1,890,446.76	1,287,747.43	36.189575	-107.445176
4,377.0	20.90	59.90	4,334.6	141.6	260.1	1,890,457.55	1,287,767.66	36.189605	-107.445108
4,441.0	19.50	60.30	4,394.7	152.6	279.3	1,890,468.33	1,287,786.95	36.189635	-107.445043
4,504.0	18.80	63.30	4,454.2	162.4	297.5	1,890,477.88	1,287,805.27	36.189662	-107.444981
4,567.0	19.80	63.00	4,513.6	171.8	316.0	1,890,487.06	1,287,823.96	36.189688	-107.444918
4,630.0	19.50	61.60	4,573.0	181.6	334.8	1,890,496.67	1,287,842.84	36.189715	-107.444855

Survey Report - Geographic

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well GCU M26-2306 01H
Project:	Sandoval County, NM	TVD Reference:	WELL @ 6954.0ft (A950)
Site:	GCU	MD Reference:	WELL @ 6954.0ft (A950)
Well:	GCU M26-2306 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
4,694.0	18.30	61.80	4,633.5	191.4	353.0	1,890,506.27	1,287,861.21	36.189742	-107.444793
4,757.0	18.30	62.20	4,693.3	200.7	370.5	1,890,515.34	1,287,878.79	36.189767	-107.444734
4,820.0	18.60	62.90	4,753.1	209.9	388.2	1,890,524.32	1,287,896.60	36.189793	-107.444674
4,852.0	18.60	62.90	4,783.4	214.6	397.3	1,890,528.85	1,287,905.74	36.189805	-107.444643
4,883.0	20.00	63.90	4,812.7	219.2	406.4	1,890,533.32	1,287,914.96	36.189818	-107.444612
4,915.0	22.50	67.60	4,842.5	223.9	417.0	1,890,537.94	1,287,925.59	36.189831	-107.444576
4,946.0	24.40	73.10	4,870.9	228.0	428.6	1,890,541.91	1,287,937.26	36.189842	-107.444537
4,978.0	26.20	78.90	4,899.9	231.3	441.9	1,890,545.03	1,287,950.56	36.189851	-107.444492
5,010.0	27.30	84.00	4,928.5	233.4	456.1	1,890,546.98	1,287,964.81	36.189857	-107.444444
5,041.0	28.60	89.00	4,955.8	234.3	470.6	1,890,547.68	1,287,979.31	36.189860	-107.444395
5,073.0	30.10	93.30	4,983.7	234.0	486.3	1,890,547.16	1,287,994.98	36.189859	-107.444341
5,105.0	31.60	97.50	5,011.2	232.4	502.6	1,890,545.40	1,288,011.29	36.189854	-107.444286
5,136.0	33.50	102.30	5,037.3	229.5	519.0	1,890,542.31	1,288,027.66	36.189847	-107.444231
5,168.0	35.00	105.30	5,063.8	225.2	536.5	1,890,537.80	1,288,045.09	36.189835	-107.444171
5,199.0	36.00	108.70	5,089.0	220.0	553.7	1,890,532.32	1,288,062.23	36.189820	-107.444113
5,231.0	37.80	111.20	5,114.6	213.4	571.8	1,890,525.53	1,288,080.20	36.189802	-107.444052
5,263.0	39.80	113.10	5,139.6	205.8	590.3	1,890,517.74	1,288,098.68	36.189781	-107.443989
5,294.0	41.90	114.80	5,163.0	197.6	608.9	1,890,509.27	1,288,117.10	36.189759	-107.443926
5,326.0	43.60	116.20	5,186.5	188.2	628.5	1,890,499.68	1,288,136.58	36.189733	-107.443860
5,358.0	45.00	117.40	5,209.4	178.2	648.4	1,890,489.36	1,288,156.40	36.189705	-107.443792
5,389.0	46.50	118.60	5,231.0	167.7	668.0	1,890,478.69	1,288,175.88	36.189677	-107.443726
5,421.0	49.00	119.10	5,252.6	156.3	688.8	1,890,467.00	1,288,196.48	36.189645	-107.443655
5,453.0	51.90	120.40	5,272.9	144.1	710.2	1,890,454.49	1,288,217.74	36.189612	-107.443583
5,484.0	53.70	122.10	5,291.7	131.2	731.3	1,890,441.42	1,288,238.69	36.189577	-107.443511
5,516.0	55.40	122.70	5,310.2	117.3	753.3	1,890,427.18	1,288,260.52	36.189538	-107.443437
5,547.0	57.80	124.20	5,327.3	103.0	774.9	1,890,412.65	1,288,281.93	36.189499	-107.443364
5,577.0	60.70	125.70	5,342.6	88.2	796.0	1,890,397.62	1,288,302.88	36.189458	-107.443292
5,601.0	63.50	126.80	5,353.9	75.7	813.1	1,890,384.87	1,288,319.82	36.189424	-107.443234
5,633.0	65.40	126.40	5,367.7	58.5	836.3	1,890,367.37	1,288,342.79	36.189377	-107.443156
5,665.0	68.10	128.40	5,380.3	40.6	859.6	1,890,349.22	1,288,365.91	36.189328	-107.443076
5,696.0	71.50	130.60	5,391.0	22.1	882.1	1,890,330.44	1,288,388.12	36.189277	-107.443000
5,728.0	74.70	131.20	5,400.3	2.1	905.2	1,890,310.11	1,288,411.01	36.189222	-107.442922
5,760.0	76.50	132.50	5,408.3	-18.6	928.3	1,890,289.15	1,288,433.84	36.189165	-107.442844
5,791.0	78.70	133.90	5,414.9	-39.3	950.4	1,890,268.16	1,288,455.65	36.189108	-107.442769
5,823.0	80.90	134.40	5,420.6	-61.3	973.0	1,890,245.94	1,288,477.98	36.189048	-107.442692
5,854.0	83.00	134.40	5,424.9	-82.7	994.9	1,890,224.20	1,288,499.64	36.188989	-107.442618
5,918.0	86.40	135.70	5,430.8	-127.8	1,039.9	1,890,178.55	1,288,544.09	36.188865	-107.442466
5,981.0	89.20	134.80	5,433.3	-172.5	1,084.2	1,890,133.31	1,288,587.86	36.188742	-107.442315
6,044.0	89.70	135.50	5,433.9	-217.2	1,128.7	1,890,088.10	1,288,631.73	36.188619	-107.442165
6,107.0	90.90	136.60	5,433.5	-262.6	1,172.4	1,890,042.21	1,288,674.89	36.188495	-107.442017
6,170.0	90.00	134.80	5,433.0	-307.6	1,216.4	1,889,996.59	1,288,718.33	36.188371	-107.441868
6,234.0	90.00	134.20	5,433.0	-352.5	1,262.0	1,889,951.17	1,288,763.42	36.188248	-107.441713
6,297.0	90.80	136.20	5,432.6	-397.2	1,306.4	1,889,905.93	1,288,807.25	36.188125	-107.441563
6,360.0	90.80	135.50	5,431.7	-442.4	1,350.3	1,889,860.19	1,288,850.57	36.188001	-107.441414
6,423.0	89.70	137.00	5,431.4	-487.9	1,393.9	1,889,814.15	1,288,893.57	36.187876	-107.441266
6,487.0	90.80	138.00	5,431.2	-535.1	1,437.1	1,889,766.44	1,288,936.22	36.187746	-107.441120
6,550.0	91.00	137.60	5,430.2	-581.8	1,479.4	1,889,719.25	1,288,977.95	36.187618	-107.440976
6,613.0	88.90	136.70	5,430.2	-627.9	1,522.2	1,889,672.55	1,289,020.22	36.187491	-107.440831
6,676.0	90.60	138.10	5,430.5	-674.3	1,564.9	1,889,625.66	1,289,062.28	36.187364	-107.440687
6,740.0	90.70	137.00	5,429.8	-721.5	1,608.1	1,889,577.91	1,289,104.89	36.187234	-107.440540
6,803.0	88.70	136.40	5,430.1	-767.4	1,651.3	1,889,531.54	1,289,147.52	36.187108	-107.440394
6,866.0	89.10	136.40	5,431.3	-813.0	1,694.7	1,889,485.39	1,289,190.40	36.186983	-107.440247
6,929.0	89.30	136.60	5,432.2	-858.7	1,738.1	1,889,439.17	1,289,233.19	36.186857	-107.440100
6,993.0	89.60	136.10	5,432.8	-905.0	1,782.2	1,889,392.32	1,289,276.79	36.186730	-107.439950
7,056.0	90.20	135.90	5,432.9	-950.3	1,826.0	1,889,346.47	1,289,319.99	36.186606	-107.439802

Survey Report - Geographic

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well GCU M26-2306 01H
Project:	Sandoval County, NM	TVD Reference:	WELL @ 6954.0ft (A950)
Site:	GCU	MD Reference:	WELL @ 6954.0ft (A950)
Well:	GCU M26-2306 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
7,119.0	90.30	135.30	5,432.6	-995.3	1,870.1	1,889,300.91	1,289,363.51	36.186482	-107.439653
7,182.0	91.00	135.10	5,431.9	-1,040.0	1,914.5	1,889,255.67	1,289,407.35	36.186359	-107.439502
7,245.0	90.40	135.80	5,431.2	-1,084.9	1,958.7	1,889,210.24	1,289,450.98	36.186236	-107.439353
7,309.0	91.20	135.80	5,430.3	-1,130.8	2,003.3	1,889,163.81	1,289,495.03	36.186110	-107.439201
7,372.0	90.90	137.40	5,429.1	-1,176.5	2,046.6	1,889,117.52	1,289,537.74	36.185984	-107.439055
7,435.0	90.80	137.20	5,428.2	-1,222.8	2,089.3	1,889,070.70	1,289,579.88	36.185857	-107.438910
7,498.0	90.10	137.30	5,427.7	-1,269.1	2,132.0	1,889,023.92	1,289,622.07	36.185730	-107.438765
7,561.0	90.10	137.20	5,427.6	-1,315.4	2,174.8	1,888,977.13	1,289,664.26	36.185603	-107.438620
7,625.0	90.40	136.80	5,427.3	-1,362.2	2,218.5	1,888,929.79	1,289,707.33	36.185474	-107.438472
7,688.0	90.90	136.60	5,426.6	-1,408.0	2,261.7	1,888,883.41	1,289,749.97	36.185348	-107.438326
7,751.0	90.00	136.00	5,426.1	-1,453.6	2,305.2	1,888,837.34	1,289,792.93	36.185223	-107.438179
7,814.0	90.40	135.00	5,425.9	-1,498.5	2,349.3	1,888,791.86	1,289,836.52	36.185100	-107.438029
7,878.0	90.40	135.20	5,425.4	-1,543.8	2,394.5	1,888,745.98	1,289,881.14	36.184975	-107.437876
7,941.0	90.80	134.40	5,424.8	-1,588.2	2,439.2	1,888,701.04	1,289,925.29	36.184853	-107.437724
8,002.0	90.00	135.70	5,424.3	-1,631.4	2,482.3	1,888,657.34	1,289,967.84	36.184735	-107.437578
8,064.0	90.10	135.80	5,424.3	-1,675.8	2,525.6	1,888,612.40	1,290,010.56	36.184613	-107.437432
8,125.0	89.80	136.20	5,424.3	-1,719.7	2,567.9	1,888,568.00	1,290,052.39	36.184492	-107.437288
8,187.0	90.10	138.10	5,424.4	-1,765.1	2,610.1	1,888,522.03	1,290,093.99	36.184367	-107.437146
8,248.0	90.30	137.10	5,424.2	-1,810.2	2,651.2	1,888,476.49	1,290,134.56	36.184244	-107.437006
8,310.0	90.00	135.60	5,424.0	-1,855.0	2,694.0	1,888,431.10	1,290,176.80	36.184120	-107.436861
8,371.0	90.70	136.40	5,423.6	-1,898.9	2,736.4	1,888,386.70	1,290,218.63	36.184000	-107.436718
8,432.0	90.80	136.00	5,422.8	-1,942.9	2,778.6	1,888,342.16	1,290,260.30	36.183879	-107.436575
8,494.0	90.20	136.50	5,422.3	-1,987.7	2,821.5	1,888,296.85	1,290,302.61	36.183756	-107.436429
8,555.0	90.40	136.00	5,422.0	-2,031.8	2,863.7	1,888,252.27	1,290,344.25	36.183635	-107.436286
8,617.0	90.30	137.30	5,421.6	-2,076.9	2,906.2	1,888,206.67	1,290,386.25	36.183511	-107.436142
8,678.0	90.50	137.30	5,421.2	-2,121.7	2,947.6	1,888,161.33	1,290,427.06	36.183388	-107.436002
8,740.0	91.10	137.60	5,420.3	-2,167.4	2,989.5	1,888,115.15	1,290,468.42	36.183262	-107.435860
8,801.0	88.40	134.60	5,420.6	-2,211.3	3,031.8	1,888,070.69	1,290,510.16	36.183142	-107.435717
8,863.0	88.70	136.20	5,422.1	-2,255.4	3,075.3	1,888,026.03	1,290,553.13	36.183020	-107.435569
8,924.0	90.10	136.40	5,422.8	-2,299.5	3,117.5	1,887,981.41	1,290,594.72	36.182899	-107.435427
8,986.0	90.40	136.30	5,422.5	-2,344.4	3,160.3	1,887,936.03	1,290,636.96	36.182776	-107.435282
9,047.0	91.10	136.10	5,421.7	-2,388.4	3,202.5	1,887,891.49	1,290,678.63	36.182655	-107.435139
9,109.0	90.10	136.60	5,421.1	-2,433.3	3,245.3	1,887,846.11	1,290,720.87	36.182532	-107.434994
9,170.0	90.30	136.50	5,420.9	-2,477.6	3,287.2	1,887,801.31	1,290,762.27	36.182410	-107.434852
9,232.0	90.70	135.80	5,420.3	-2,522.3	3,330.2	1,887,756.07	1,290,804.67	36.182287	-107.434706
9,293.0	89.60	134.50	5,420.2	-2,565.5	3,373.2	1,887,712.30	1,290,847.15	36.182169	-107.434560
9,355.0	89.70	136.00	5,420.5	-2,609.5	3,416.8	1,887,667.74	1,290,890.25	36.182048	-107.434412
9,418.0	89.70	138.50	5,420.9	-2,655.8	3,459.6	1,887,620.95	1,290,932.44	36.181921	-107.434268
9,481.0	90.10	138.40	5,421.0	-2,702.9	3,501.4	1,887,573.30	1,290,973.64	36.181791	-107.434126
9,544.0	90.70	137.40	5,420.5	-2,749.7	3,543.6	1,887,526.04	1,291,015.29	36.181663	-107.433983
9,607.0	90.10	136.50	5,420.1	-2,795.7	3,586.6	1,887,479.47	1,291,057.73	36.181536	-107.433837
9,671.0	90.40	136.60	5,419.8	-2,842.2	3,630.6	1,887,432.47	1,291,101.17	36.181409	-107.433688
9,734.0	90.70	135.70	5,419.2	-2,887.6	3,674.3	1,887,386.51	1,291,144.24	36.181284	-107.433540
9,797.0	89.20	135.30	5,419.3	-2,932.6	3,718.4	1,887,341.03	1,291,187.84	36.181160	-107.433391
9,860.0	89.20	136.70	5,420.1	-2,977.9	3,762.2	1,887,295.18	1,291,231.04	36.181036	-107.433242
9,923.0	89.70	137.30	5,420.7	-3,023.9	3,805.2	1,887,248.59	1,291,273.43	36.180909	-107.433097
9,987.0	90.40	135.80	5,420.7	-3,070.4	3,849.2	1,887,201.59	1,291,316.87	36.180782	-107.432948
10,050.0	89.80	138.00	5,420.6	-3,116.4	3,892.2	1,887,155.06	1,291,359.34	36.180655	-107.432802
10,113.0	90.10	136.90	5,420.6	-3,162.8	3,934.8	1,887,108.13	1,291,401.37	36.180528	-107.432658
10,176.0	90.50	136.30	5,420.3	-3,208.6	3,978.1	1,887,061.83	1,291,444.09	36.180402	-107.432511
10,240.0	90.10	137.90	5,420.0	-3,255.5	4,021.7	1,887,014.41	1,291,487.07	36.180273	-107.432363
10,303.0	90.70	138.00	5,419.5	-3,302.2	4,063.9	1,886,967.12	1,291,528.68	36.180145	-107.432221
10,366.0	89.40	137.90	5,419.5	-3,349.0	4,106.1	1,886,919.82	1,291,570.30	36.180016	-107.432078
10,429.0	90.00	136.70	5,419.8	-3,395.3	4,148.8	1,886,873.00	1,291,612.45	36.179889	-107.431933
10,493.0	90.20	136.50	5,419.7	-3,441.8	4,192.8	1,886,825.96	1,291,655.84	36.179761	-107.431784

Survey Report - Geographic

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well GCU M26-2306 01H
Project:	Sandoval County, NM	TVD Reference:	WELL @ 6954.0ft (A950)
Site:	GCU	MD Reference:	WELL @ 6954.0ft (A950)
Well:	GCU M26-2306 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
10,556.0	90.50	135.80	5,419.3	-3,487.3	4,236.4	1,886,779.99	1,291,698.92	36.179637	-107.431636
10,619.0	91.10	135.20	5,418.4	-3,532.2	4,280.5	1,886,734.52	1,291,742.52	36.179513	-107.431486
10,682.0	90.60	136.50	5,417.5	-3,577.4	4,324.4	1,886,688.79	1,291,785.84	36.179389	-107.431338
10,745.0	89.00	137.80	5,417.7	-3,623.6	4,367.3	1,886,642.08	1,291,828.11	36.179262	-107.431193
10,809.0	89.40	137.10	5,418.6	-3,670.7	4,410.5	1,886,594.40	1,291,870.80	36.179133	-107.431046
10,872.0	89.90	137.00	5,419.0	-3,716.8	4,453.5	1,886,547.77	1,291,913.15	36.179006	-107.430901
10,935.0	90.50	136.10	5,418.8	-3,762.6	4,496.8	1,886,501.50	1,291,955.91	36.178880	-107.430754
10,998.0	90.30	135.90	5,418.3	-3,807.9	4,540.6	1,886,455.65	1,291,999.11	36.178756	-107.430606
11,062.0	89.10	138.10	5,418.7	-3,854.7	4,584.2	1,886,408.31	1,292,042.17	36.178627	-107.430458
11,125.0	89.80	137.60	5,419.3	-3,901.4	4,626.5	1,886,361.09	1,292,083.87	36.178499	-107.430315
11,188.0	90.30	137.20	5,419.2	-3,947.8	4,669.1	1,886,314.19	1,292,125.94	36.178371	-107.430170
11,251.0	90.80	137.30	5,418.6	-3,994.0	4,711.9	1,886,267.41	1,292,168.12	36.178244	-107.430025
11,314.0	90.00	137.30	5,418.2	-4,040.3	4,754.6	1,886,220.59	1,292,210.27	36.178117	-107.429881
11,378.0	90.30	137.30	5,418.0	-4,087.3	4,798.0	1,886,173.02	1,292,253.09	36.177988	-107.429734
11,441.0	91.10	136.90	5,417.2	-4,133.5	4,840.9	1,886,126.35	1,292,295.40	36.177861	-107.429588
11,504.0	89.20	136.80	5,417.1	-4,179.5	4,884.0	1,886,079.86	1,292,337.92	36.177735	-107.429442
11,567.0	89.70	136.50	5,417.7	-4,225.3	4,927.2	1,886,033.52	1,292,380.59	36.177609	-107.429296
11,630.0	90.60	135.80	5,417.5	-4,270.7	4,970.9	1,885,987.56	1,292,423.67	36.177484	-107.429148
11,694.0	90.30	137.20	5,417.0	-4,317.1	5,014.9	1,885,940.60	1,292,467.15	36.177357	-107.428999
11,757.0	90.80	136.60	5,416.4	-4,363.1	5,058.0	1,885,894.07	1,292,509.62	36.177230	-107.428853
11,820.0	91.30	136.10	5,415.2	-4,408.7	5,101.4	1,885,847.96	1,292,552.54	36.177105	-107.428706
11,883.0	90.80	135.90	5,414.1	-4,454.0	5,145.2	1,885,802.11	1,292,595.73	36.176981	-107.428558
11,946.0	89.30	136.10	5,414.0	-4,499.3	5,188.9	1,885,756.26	1,292,638.93	36.176856	-107.428409
12,010.0	89.90	135.10	5,414.5	-4,545.0	5,233.7	1,885,709.99	1,292,683.14	36.176731	-107.428258
12,073.0	90.50	134.70	5,414.3	-4,589.5	5,278.4	1,885,664.97	1,292,727.21	36.176608	-107.428107
12,136.0	90.10	136.60	5,413.9	-4,634.6	5,322.4	1,885,619.39	1,292,770.69	36.176485	-107.427957
12,199.0	90.80	136.30	5,413.4	-4,680.2	5,365.8	1,885,573.20	1,292,813.53	36.176359	-107.427810
12,262.0	89.50	136.00	5,413.3	-4,725.6	5,409.4	1,885,527.23	1,292,856.61	36.176234	-107.427662
12,326.0	90.00	135.70	5,413.6	-4,771.6	5,454.0	1,885,480.76	1,292,900.62	36.176108	-107.427511
12,389.0	90.80	134.70	5,413.1	-4,816.3	5,498.4	1,885,435.52	1,292,944.45	36.175985	-107.427361
12,452.0	90.00	136.00	5,412.7	-4,861.1	5,542.7	1,885,390.16	1,292,988.17	36.175862	-107.427211
12,515.0	90.20	135.90	5,412.6	-4,906.4	5,586.5	1,885,344.34	1,293,031.41	36.175738	-107.427063
12,578.0	90.80	134.90	5,412.0	-4,951.2	5,630.7	1,885,298.95	1,293,075.09	36.175615	-107.426913
12,642.0	89.60	137.00	5,411.8	-4,997.2	5,675.2	1,885,252.40	1,293,119.01	36.175488	-107.426762
12,705.0	89.90	136.50	5,412.1	-5,043.1	5,718.4	1,885,205.99	1,293,161.61	36.175362	-107.426616
12,735.0	90.00	136.30	5,412.1	-5,064.8	5,739.1	1,885,184.01	1,293,182.03	36.175303	-107.426546
Last CES Survey @ 12,735' MD									
12,780.0	90.00	136.30	5,412.1	-5,097.4	5,770.2	1,885,151.10	1,293,212.72	36.175213	-107.426441
PTB @ 12,780'									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
GCU M26-2306 01H PB	0.00	0.00	5,400.7	-5,118.9	5,787.4	1,885,129.38	1,293,229.69	36.175154	-107.426382
- survey misses target center by 29.8ft at 12780.0ft MD (5412.1 TVD, -5097.4 N, 5770.2 E)									
- Point									

Survey Report - Geographic

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well GCU M26-2306 01H
Project:	Sandoval County, NM	TVD Reference:	WELL @ 6954.0ft (A950)
Site:	GCU	MD Reference:	WELL @ 6954.0ft (A950)
Well:	GCU M26-2306 01H	North Reference:	True
Wellbore:	Hz	Survey Calculation Method:	Minimum Curvature
Design:	FINAL	Database:	USA EDM 5000 Multi Users DB

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
12,735.0	5,412.1	-5,064.8	5,739.1	Last CES Survey @ 12,735' MD
12,780.0	5,412.1	-5,097.4	5,770.2	PTB @ 12,780'

Checked By: _____ Approved By: _____ Date: _____

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

CONFIDENTIAL

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Encana Oil & Gas (USA) Inc. 370 17 th Street, Suite 1700 Denver, Colorado 80202		² OGRID Number 282327
		³ Reason for Filing Code/ Effective Date New Well, 05/25/2015
⁴ API Number 30-043-21205	⁵ Pool Name Counselors Gallup-Dakota	⁶ Pool Code 13379
⁷ Property Code 313305	⁸ Property Name Gallo Canyon Unit M26-2306	⁹ Well Number 01H

II. ¹⁰ Surface Location

UL or lot no. M	Section 26	Township 23N	Range 6W	Lot Idn	Feet from the 75'	North/South Line South	Feet from the 200'	East/West line West	County Sandoval
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¹¹ Bottom Hole Location

UL or lot no. M	Section 36	Township 23N	Range 6W	Lot Idn	Feet from the 328'	North/South line South	Feet from the 691'	East/West line West	County Sandoval
¹² Lse Code V0 9212	¹³ Producing Method Code P	¹⁴ Gas Connection Date 6/1/2015	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	Western Refining Company, LP 6500 Townbridge Drive, El Paso, TX 79905	O
272091	NGL Crude Logistics LLC 2900 North Loop West, Suite 1250, Houston, TX 77092	O
151618	Enterprise Field Services 614 Reilly Ave. Farmington, NM 87401	G

DENIED

OIL CONS. DIV DIST. 3

MAY 27 2015

IV. Well Completion Data

²¹ Spud Date 11/06/2014	²² Ready Date 05/25/2015	²³ TD 12,780'	²⁴ PBTD 12,777'	²⁵ Perforations 5785'-12,746'	²⁶ DHC, MC N/A
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12.25"	9.625" 36# J55 LTC	524'	247 sks		
8.75"	7" 26# J55 LTC	5545'	481 sks Lead 367 sks Tail		
6.125"	4.5" 11.6# SB80 LTC	TOL: 5434' 5545' - 12,780'	441 sks		
	2.875" 6.5# J55	Will be provided in subsequent sundry			

V. Well Test Data

Test Data will be provided on Initial 24 Hour Test Sundry

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas		⁴¹ Test Method

⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:
Cristi Bauer

Printed name:
Cristi Bauer

Title:
Regulatory Analyst

E-mail Address:
Cristi.Bauer@encana.com

Date: 5/26/15
Phone: 720-876-5867

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

14