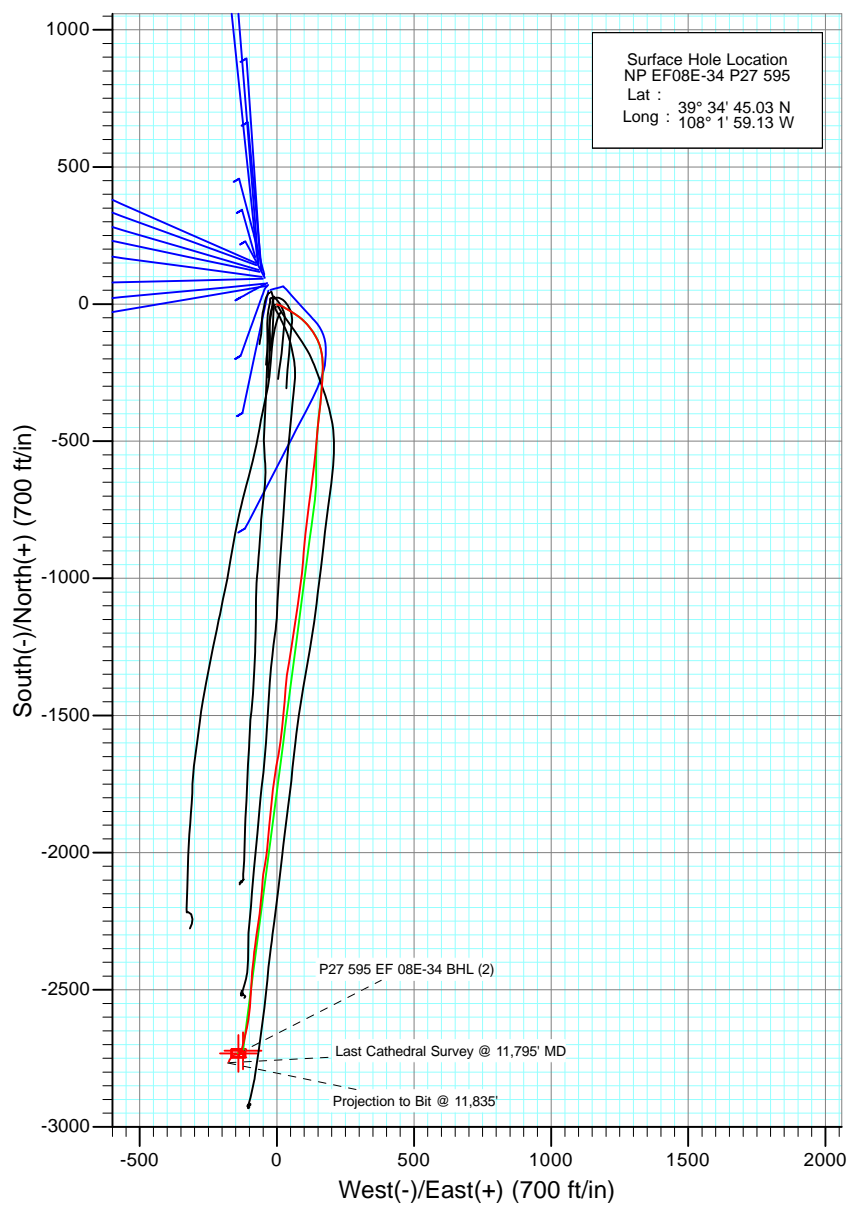
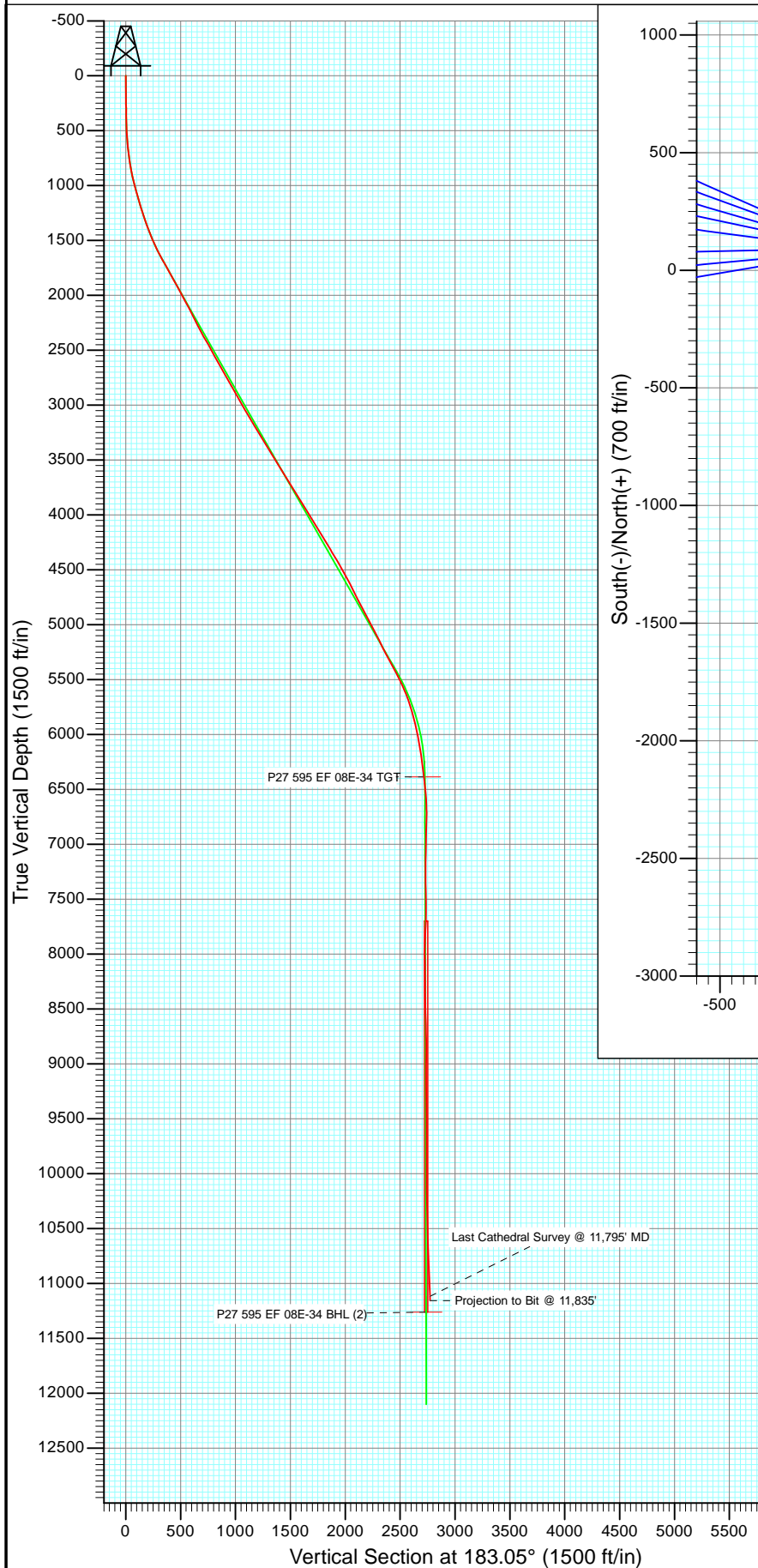




Project: North Piceance
 Site: P27 595 (S27-T5S-R95W)
 Well: NP EF08E-34 P27 595
 Wellbore: DD
 Design: FINAL



Surface Hole Location
 NP EF08E-34 P27 595
 Lat : 39° 34' 45.03 N
 Long : 108° 1' 59.13 W



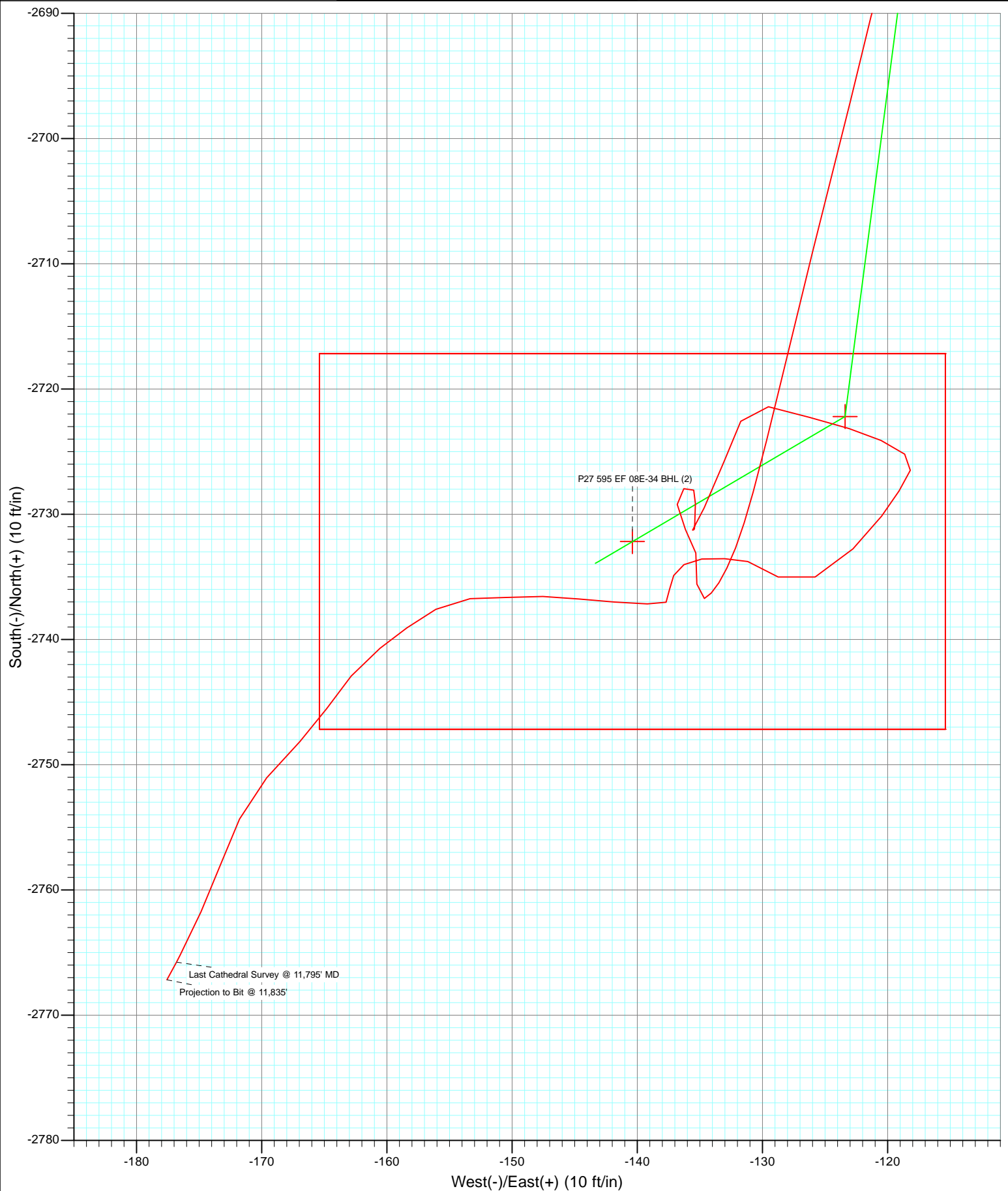
Azimuths to True North
 Magnetic North: 10.31°

Magnetic Field
 Strength: 52231.4snT
 Dip Angle: 65.79°
 Date: 12/26/2011
 Model: IGRF2010

DD NP EF08E-34 P27 595 115547/124755 (SH), 130855 115587; LR WELL @ 6671.0ft (Patterson 303) North American Datum 1983 Well NP EF08E-34 P27 595, True North							
Type User	Target No Target (Freehand)	TVDD	Azimuth 183.05	Origin Type Slot	N/S 0.0	E/W 0.0	From TVD 0.0
Name							
P27 595 EF 08E-34 TGT		6386.0	+N/-S -2722.2	+E/-W -123.4	Latitude 39° 34' 18.12 N	Longitude 108° 2' 0.71 W	
P27 595 EF 08E-34 BHL (2)		11260.0	-2732.2	-140.4	39° 34' 18.02 N	108° 2' 0.92 W	



Project: North Piceance
Site: P27 595 (S27-T5S-R95W)
Well: NP EF08E-34 P27 595
Wellbore: DD
Design: FINAL



Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP EF08E-34 P27 595
Project:	North Piceance	TVD Reference:	WELL @ 6671.0ft (Patterson 303)
Site:	P27 595 (S27-T5S-R95W)	MD Reference:	WELL @ 6671.0ft (Patterson 303)
Well:	NP EF08E-34 P27 595	North Reference:	True
Wellbore:	DD	Survey Calculation Method:	Minimum Curvature
Design:	DD	Database:	USA EDM 5000 Multi Users DB

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

Site		P27 595 (S27-T5S-R95W)			
Site Position:		Northing:	1,645,842.89 ft	Latitude:	39° 34' 45.45 N
From:	Lat/Long	Easting:	2,286,079.88 ft	Longitude:	108° 1' 59.43 W
Position Uncertainty:	0.0 ft	Slot Radius:	0.000 in	Grid Convergence:	-1.60 °

Well	NP EF08E-34 P27 595					
Well Position	+N/-S	0.0 ft	Northing:	1,645,799.42 ft	Latitude:	39° 34' 45.03 N
	+E/-W	0.0 ft	Easting:	2,286,102.16 ft	Longitude:	108° 1' 59.13 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,649.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/26/2011	10.31	65.79	52,231

Design	DD				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	183.05	

Survey Program	Date	1/6/2012			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
203.0	11,835.0	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		
203.0	0.60	178.10	203.0	-1.1	0.0	1.1	0.30	0.30		
233.0	1.20	149.80	233.0	-1.5	0.2	1.5	2.43	2.00		
264.0	1.70	142.70	264.0	-2.1	0.6	2.1	1.71	1.61		
295.0	2.30	113.70	295.0	-2.8	1.5	2.7	3.73	1.94		
325.0	2.80	104.20	324.9	-3.2	2.8	3.0	2.18	1.67		
355.0	3.60	97.30	354.9	-3.5	4.4	3.2	2.95	2.67		
385.0	4.70	97.00	384.8	-3.7	6.5	3.4	3.67	3.67		
416.0	5.50	102.10	415.7	-4.2	9.3	3.7	2.96	2.58		
447.0	6.40	108.00	446.5	-5.1	12.4	4.4	3.51	2.90		
478.0	7.10	114.00	477.3	-6.4	15.8	5.5	3.20	2.26		
508.0	7.80	118.60	507.1	-8.1	19.2	7.1	3.06	2.33		
557.0	9.70	120.20	555.5	-11.8	25.7	10.4	3.91	3.88		

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP EF08E-34 P27 595
Project:	North Piceance	TVD Reference:	WELL @ 6671.0ft (Patterson 303)
Site:	P27 595 (S27-T5S-R95W)	MD Reference:	WELL @ 6671.0ft (Patterson 303)
Well:	NP EF08E-34 P27 595	North Reference:	True
Wellbore:	DD	Survey Calculation Method:	Minimum Curvature
Design:	DD	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
603.0	11.30	119.90	600.7	-16.0	33.0	14.2	3.48	3.48	
649.0	12.60	121.30	645.7	-20.8	41.2	18.6	2.90	2.83	
694.0	13.80	121.70	689.5	-26.2	49.9	23.5	2.67	2.67	
740.0	14.80	122.50	734.1	-32.2	59.6	29.0	2.22	2.17	
786.0	15.90	123.70	778.5	-38.9	69.8	35.1	2.49	2.39	
832.0	17.10	126.80	822.6	-46.4	80.4	42.1	3.23	2.61	
878.0	17.60	131.40	866.5	-55.1	91.0	50.2	3.17	1.09	
924.0	17.90	134.80	910.3	-64.7	101.3	59.2	2.35	0.65	
969.0	18.40	138.10	953.0	-74.8	110.9	68.8	2.54	1.11	
1,015.0	18.60	142.40	996.7	-86.0	120.3	79.5	3.00	0.43	
1,061.0	18.70	145.10	1,040.3	-97.9	128.9	90.9	1.89	0.22	
1,107.0	18.80	148.10	1,083.8	-110.2	137.1	102.8	2.11	0.22	
1,153.0	19.10	152.70	1,127.3	-123.2	144.5	115.4	3.31	0.65	
1,198.0	19.30	156.70	1,169.8	-136.6	150.8	128.4	2.96	0.44	
1,244.0	19.60	160.90	1,213.2	-150.9	156.3	142.3	3.11	0.65	
1,290.0	19.40	166.30	1,256.6	-165.6	160.6	156.8	3.94	-0.43	
1,336.0	19.10	171.50	1,300.0	-180.4	163.6	171.5	3.78	-0.65	
1,382.0	19.10	174.40	1,343.5	-195.4	165.4	186.3	2.06	0.00	
1,427.0	19.90	176.80	1,385.9	-210.4	166.6	201.2	2.52	1.78	
1,473.0	21.10	179.30	1,429.0	-226.4	167.1	217.2	3.23	2.61	
1,519.0	22.30	181.40	1,471.7	-243.5	167.0	234.2	3.11	2.61	
1,565.0	24.00	182.80	1,514.0	-261.5	166.3	252.3	3.88	3.70	
1,611.0	25.40	182.90	1,555.8	-280.7	165.4	271.5	3.04	3.04	
1,657.0	26.90	183.90	1,597.1	-301.0	164.1	291.8	3.40	3.26	
1,702.0	28.30	184.70	1,637.0	-321.7	162.6	312.6	3.22	3.11	
1,794.0	29.30	186.70	1,717.6	-365.8	158.2	356.9	1.51	1.09	
1,896.0	29.90	186.00	1,806.3	-415.9	152.6	407.2	0.68	0.59	
1,988.0	28.60	185.00	1,886.5	-460.7	148.3	452.1	1.51	-1.41	
2,079.0	27.90	184.30	1,966.7	-503.6	144.8	495.2	0.85	-0.77	
2,171.0	27.50	187.00	2,048.2	-546.1	140.6	537.9	1.43	-0.43	
2,262.0	28.60	186.40	2,128.5	-588.6	135.6	580.6	1.25	1.21	
2,354.0	26.50	187.50	2,210.0	-630.9	130.5	623.0	2.35	-2.28	
2,446.0	26.70	188.40	2,292.3	-671.7	124.8	664.1	0.49	0.22	
2,537.0	29.90	186.40	2,372.4	-714.4	119.2	707.1	3.67	3.52	
2,628.0	30.40	187.40	2,451.1	-759.8	113.8	752.7	0.78	0.55	
2,720.0	27.60	187.10	2,531.6	-804.1	108.1	797.2	3.05	-3.04	
2,811.0	29.40	186.10	2,611.5	-847.2	103.1	840.5	2.05	1.98	
2,903.0	30.60	184.30	2,691.2	-893.0	99.0	886.5	1.63	1.30	
2,994.0	29.90	184.70	2,769.8	-938.7	95.4	932.3	0.80	-0.77	
3,086.0	28.70	185.80	2,850.0	-983.5	91.3	977.3	1.43	-1.30	
3,177.0	29.50	188.30	2,929.6	-1,027.4	85.8	1,021.4	1.60	0.88	
3,269.0	29.40	187.80	3,009.7	-1,072.2	79.5	1,066.5	0.29	-0.11	
3,361.0	31.50	188.90	3,089.0	-1,118.3	72.7	1,112.9	2.36	2.28	
3,452.0	31.40	187.90	3,166.6	-1,165.3	65.8	1,160.2	0.58	-0.11	
3,544.0	31.10	189.20	3,245.3	-1,212.5	58.7	1,207.7	0.80	-0.33	
3,636.0	30.80	187.60	3,324.2	-1,259.3	51.8	1,254.8	0.95	-0.33	
3,727.0	31.70	190.10	3,402.0	-1,306.0	44.5	1,301.7	1.73	0.99	
3,819.0	31.30	188.20	3,480.4	-1,353.4	36.8	1,349.5	1.16	-0.43	
3,910.0	31.90	183.60	3,557.9	-1,400.8	32.0	1,397.1	2.73	0.66	
4,002.0	31.50	185.50	3,636.2	-1,449.0	28.1	1,445.4	1.17	-0.43	
4,094.0	32.30	185.30	3,714.3	-1,497.4	23.6	1,494.0	0.88	0.87	
4,185.0	32.90	185.70	3,791.0	-1,546.2	18.9	1,543.0	0.70	0.66	
4,277.0	32.10	188.20	3,868.6	-1,595.3	12.9	1,592.3	1.70	-0.87	

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP EF08E-34 P27 595
Project:	North Piceance	TVD Reference:	WELL @ 6671.0ft (Patterson 303)
Site:	P27 595 (S27-T5S-R95W)	MD Reference:	WELL @ 6671.0ft (Patterson 303)
Well:	NP EF08E-34 P27 595	North Reference:	True
Wellbore:	DD	Survey Calculation Method:	Minimum Curvature
Design:	DD	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
4,368.0	31.50	189.10	3,945.9	-1,642.7	5.7	1,640.0	0.84	-0.66	
4,460.0	32.00	189.70	4,024.1	-1,690.4	-2.2	1,688.1	0.64	0.54	
4,551.0	30.30	189.40	4,102.0	-1,736.8	-10.0	1,734.9	1.88	-1.87	
4,643.0	31.20	186.70	4,181.1	-1,783.4	-16.6	1,781.8	1.79	0.98	
4,734.0	32.20	183.10	4,258.5	-1,831.0	-20.7	1,829.5	2.35	1.10	
4,826.0	30.70	188.60	4,337.0	-1,878.7	-25.5	1,877.4	3.52	-1.63	
4,918.0	30.30	183.80	4,416.3	-1,925.1	-30.6	1,924.0	2.68	-0.43	
5,009.0	29.20	184.40	4,495.3	-1,970.2	-33.8	1,969.2	1.25	-1.21	
5,101.0	29.20	188.60	4,575.6	-2,014.7	-38.9	2,013.9	2.23	0.00	
5,192.0	26.70	190.70	4,656.0	-2,056.8	-46.0	2,056.3	2.95	-2.75	
5,283.0	26.90	184.00	4,737.2	-2,097.4	-51.2	2,097.2	3.33	0.22	
5,375.0	27.30	184.70	4,819.1	-2,139.2	-54.4	2,139.1	0.56	0.43	
5,466.0	27.70	186.30	4,899.8	-2,181.0	-58.4	2,181.0	0.92	0.44	
5,557.0	28.30	187.20	4,980.2	-2,223.4	-63.4	2,223.7	0.81	0.66	
5,648.0	28.20	188.50	5,060.4	-2,266.1	-69.3	2,266.6	0.69	-0.11	
5,740.0	26.00	187.30	5,142.3	-2,307.6	-75.1	2,308.3	2.46	-2.39	
5,831.0	26.40	187.80	5,223.9	-2,347.4	-80.4	2,348.4	0.50	0.44	
5,922.0	28.30	186.20	5,304.7	-2,388.9	-85.5	2,390.1	2.24	2.09	
6,014.0	28.90	185.30	5,385.5	-2,432.7	-89.9	2,434.1	0.80	0.65	
6,105.0	27.60	183.40	5,465.7	-2,475.7	-93.1	2,477.1	1.74	-1.43	
6,196.0	24.30	182.00	5,547.5	-2,515.5	-95.1	2,517.0	3.69	-3.63	
6,288.0	21.50	185.10	5,632.2	-2,551.2	-97.2	2,552.7	3.31	-3.04	
6,379.0	18.80	187.80	5,717.6	-2,582.3	-100.7	2,584.0	3.14	-2.97	
6,471.0	16.30	188.60	5,805.4	-2,609.8	-104.6	2,611.6	2.73	-2.72	
6,562.0	13.60	190.00	5,893.3	-2,632.9	-108.4	2,635.0	2.99	-2.97	
6,653.0	11.10	193.60	5,982.2	-2,652.0	-112.3	2,654.2	2.87	-2.75	
6,745.0	9.80	193.90	6,072.6	-2,668.2	-116.3	2,670.6	1.41	-1.41	
6,836.0	9.50	192.10	6,162.3	-2,683.1	-119.7	2,685.6	0.47	-0.33	
6,928.0	8.40	194.30	6,253.2	-2,697.0	-123.0	2,699.7	1.25	-1.20	
7,019.0	7.30	193.90	6,343.4	-2,709.1	-126.0	2,711.9	1.21	-1.21	
7,111.0	6.20	193.40	6,434.7	-2,719.6	-128.6	2,722.5	1.20	-1.20	
7,202.0	5.10	195.10	6,525.3	-2,728.2	-130.7	2,731.3	1.22	-1.21	
7,294.0	2.90	206.00	6,617.1	-2,734.3	-132.8	2,737.5	2.52	-2.39	
7,385.0	1.10	245.40	6,708.0	-2,736.7	-134.6	2,740.0	2.38	-1.98	
7,477.0	1.90	7.70	6,800.0	-2,735.6	-135.2	2,738.9	2.89	0.87	
7,568.0	1.30	343.90	6,890.9	-2,733.1	-135.3	2,736.4	0.97	-0.66	
7,660.0	1.30	328.10	6,982.9	-2,731.2	-136.2	2,734.6	0.39	0.00	
7,751.0	1.40	354.90	7,073.9	-2,729.2	-136.8	2,732.6	0.70	0.11	
7,843.0	0.80	77.00	7,165.9	-2,728.0	-136.3	2,731.3	1.65	-0.65	
7,934.0	0.40	146.50	7,256.9	-2,728.1	-135.5	2,731.4	0.83	-0.44	
8,026.0	1.00	183.40	7,348.9	-2,729.1	-135.4	2,732.5	0.78	0.65	
8,117.0	0.90	180.20	7,439.9	-2,730.7	-135.4	2,734.0	0.12	-0.11	
8,209.0	0.20	327.80	7,531.9	-2,731.2	-135.5	2,734.6	1.17	-0.76	
8,301.0	0.20	178.70	7,623.9	-2,731.3	-135.6	2,734.6	0.42	0.00	
8,392.0	2.70	25.10	7,714.8	-2,729.5	-134.7	2,732.8	3.16	2.75	
8,484.0	2.40	21.60	7,806.7	-2,725.7	-133.0	2,728.9	0.37	-0.33	
8,575.0	1.90	23.80	7,897.7	-2,722.6	-131.7	2,725.7	0.56	-0.55	
8,667.0	2.00	98.30	7,989.6	-2,721.4	-129.5	2,724.4	2.57	0.11	
8,758.0	2.30	110.00	8,080.6	-2,722.3	-126.2	2,725.1	0.58	0.33	
8,850.0	1.80	100.20	8,172.5	-2,723.2	-123.1	2,725.8	0.66	-0.54	
8,941.0	1.70	121.20	8,263.5	-2,724.1	-120.5	2,726.7	0.71	-0.11	
9,033.0	1.00	118.30	8,355.5	-2,725.2	-118.6	2,727.6	0.76	-0.76	
9,124.0	1.20	195.10	8,446.4	-2,726.5	-118.2	2,728.9	1.51	0.22	

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP EF08E-34 P27 595
Project:	North Piceance	TVD Reference:	WELL @ 6671.0ft (Patterson 303)
Site:	P27 595 (S27-T5S-R95W)	MD Reference:	WELL @ 6671.0ft (Patterson 303)
Well:	NP EF08E-34 P27 595	North Reference:	True
Wellbore:	DD	Survey Calculation Method:	Minimum Curvature
Design:	DD	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
9,216.0	1.20	222.40	8,538.4	-2,728.1	-119.1	2,730.6	0.62	0.00	
9,307.0	1.90	209.60	8,629.4	-2,730.1	-120.5	2,732.7	0.85	0.77	
9,399.0	2.50	229.90	8,721.3	-2,732.8	-122.8	2,735.4	1.06	0.65	
9,491.0	2.20	237.70	8,813.2	-2,735.0	-125.8	2,737.8	0.48	-0.33	
9,582.0	2.20	302.00	8,904.2	-2,735.0	-128.7	2,738.0	2.57	0.00	
9,674.0	1.20	287.90	8,996.1	-2,733.8	-131.2	2,736.9	1.17	-1.09	
9,765.0	1.20	266.40	9,087.1	-2,733.5	-133.0	2,736.7	0.49	0.00	
9,856.0	1.10	271.70	9,178.1	-2,733.6	-134.8	2,736.9	0.16	-0.11	
9,948.0	0.90	228.80	9,270.1	-2,734.0	-136.3	2,737.4	0.82	-0.22	
10,039.0	0.60	216.30	9,361.1	-2,734.9	-137.1	2,738.3	0.37	-0.33	
10,131.0	0.90	183.30	9,453.1	-2,736.0	-137.4	2,739.4	0.56	0.33	
10,222.0	0.50	217.10	9,544.1	-2,737.0	-137.7	2,740.5	0.61	-0.44	
10,313.0	1.60	278.10	9,635.1	-2,737.2	-139.2	2,740.7	1.57	1.21	
10,405.0	1.70	269.00	9,727.0	-2,737.0	-141.8	2,740.7	0.30	0.11	
10,496.0	1.90	279.80	9,818.0	-2,736.8	-144.7	2,740.6	0.43	0.22	
10,588.0	1.70	267.70	9,909.9	-2,736.6	-147.5	2,740.5	0.47	-0.22	
10,679.0	1.90	269.50	10,000.9	-2,736.6	-150.4	2,740.8	0.23	0.22	
10,771.0	1.80	266.50	10,092.8	-2,736.7	-153.4	2,741.0	0.15	-0.11	
10,862.0	1.90	239.60	10,183.8	-2,737.6	-156.1	2,742.0	0.95	0.11	
10,955.0	1.50	234.40	10,276.8	-2,739.1	-158.4	2,743.6	0.46	-0.43	
11,046.0	1.90	231.60	10,367.7	-2,740.7	-160.6	2,745.4	0.45	0.44	
11,138.0	2.10	221.10	10,459.7	-2,742.9	-162.9	2,747.7	0.45	0.22	
11,229.0	2.00	212.30	10,550.6	-2,745.5	-164.8	2,750.4	0.36	-0.11	
11,320.0	2.30	225.30	10,641.5	-2,748.1	-166.9	2,753.1	0.63	0.33	
11,412.0	2.60	220.00	10,733.4	-2,751.0	-169.6	2,756.2	0.41	0.33	
11,503.0	2.40	206.00	10,824.4	-2,754.3	-171.8	2,759.6	0.70	-0.22	
11,595.0	2.50	199.50	10,916.3	-2,758.0	-173.3	2,763.3	0.32	0.11	
11,687.0	2.60	205.30	11,008.2	-2,761.7	-174.8	2,767.1	0.30	0.11	
11,778.0	2.20	206.30	11,099.1	-2,765.2	-176.5	2,770.6	0.44	-0.44	
11,795.0	2.30	208.40	11,116.1	-2,765.8	-176.8	2,771.3	0.76	0.59	Last Cathedral Survey @ 11,795' MD
11,835.0	2.30	208.40	11,156.1	-2,767.2	-177.6	2,772.7	0.00	0.00	Projection to Bit @ 11,835'

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP EF08E-34 P27 595
Project:	North Piceance	TVD Reference:	WELL @ 6671.0ft (Patterson 303)
Site:	P27 595 (S27-T5S-R95W)	MD Reference:	WELL @ 6671.0ft (Patterson 303)
Well:	NP EF08E-34 P27 595	North Reference:	True
Wellbore:	DD	Survey Calculation Method:	Minimum Curvature
Design:	DD	Database:	USA EDM 5000 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									
P27 595 EF 08E-34 BHL	0.00	0.00	11,260.0	-2,732.2	-140.4	1,643,072.21	2,285,885.66	39° 34' 18.02 N	108° 2' 0.92 W
- actual wellpath misses target center by 115.8ft at 11835.0ft MD (11156.1 TVD, -2767.2 N, -177.6 E)									
- Rectangle (sides W30.0 H50.0 D0.0)									
P27 595 EF 08E-34 TG1	0.00	0.00	6,386.0	-2,722.2	-123.4	1,643,081.72	2,285,902.91	39° 34' 18.12 N	108° 2' 0.71 W
- actual wellpath misses target center by 8.9ft at 7062.8ft MD (6386.8 TVD, -2714.3 N, -127.3 E)									
- Point									
P27 595 EF 08E-34 BHL	0.00	0.00	9,946.0	-2,732.2	-140.4	1,643,072.21	2,285,885.66	39° 34' 18.02 N	108° 2' 0.92 W
- actual wellpath misses target center by 9.4ft at 10623.8ft MD (9945.7 TVD, -2736.6 N, -148.6 E)									
- Rectangle (sides W30.0 H50.0 D0.0)									

Design Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
11,795.0	11,116.1	-2,765.8	-176.8	Last Cathedral Survey @ 11,795' MD
11,835.0	11,156.1	-2,767.2	-177.6	Projection to Bit @ 11,835'

Checked By: _____ Approved By: _____ Date: _____