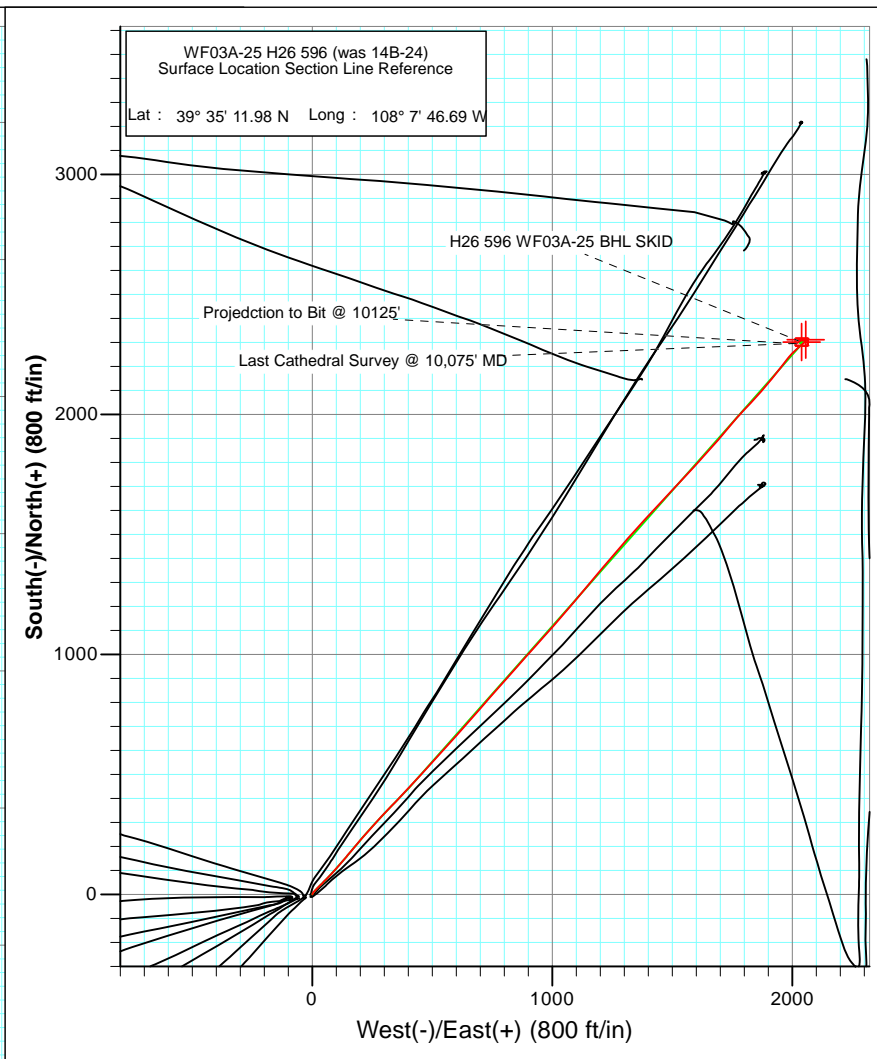
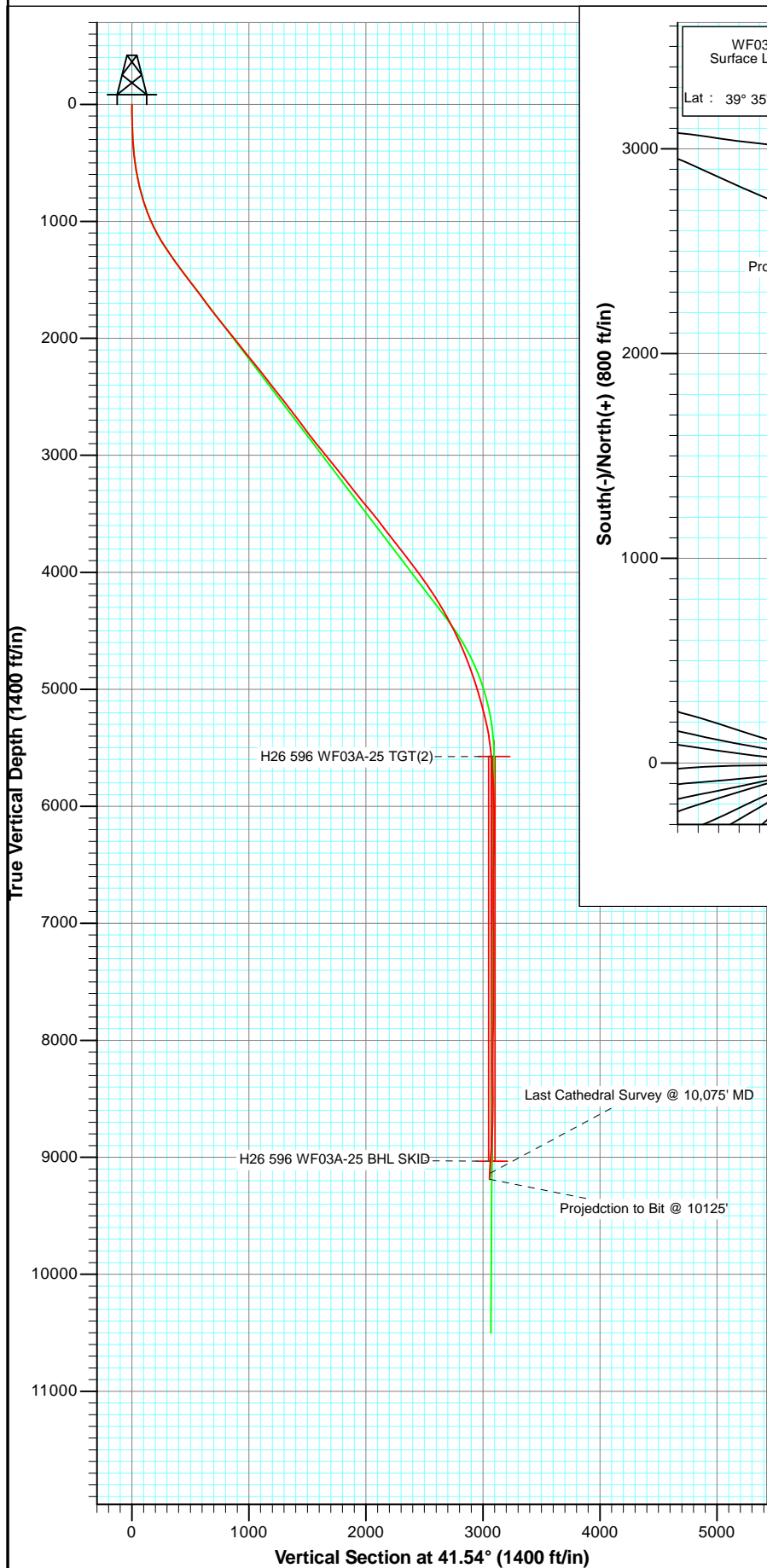




Project: North Piceance
 Site: H26 596
 Well: WF03A-25 H26 596 (was 14B-24)
 Wellbore: DD
 Plan: FINAL



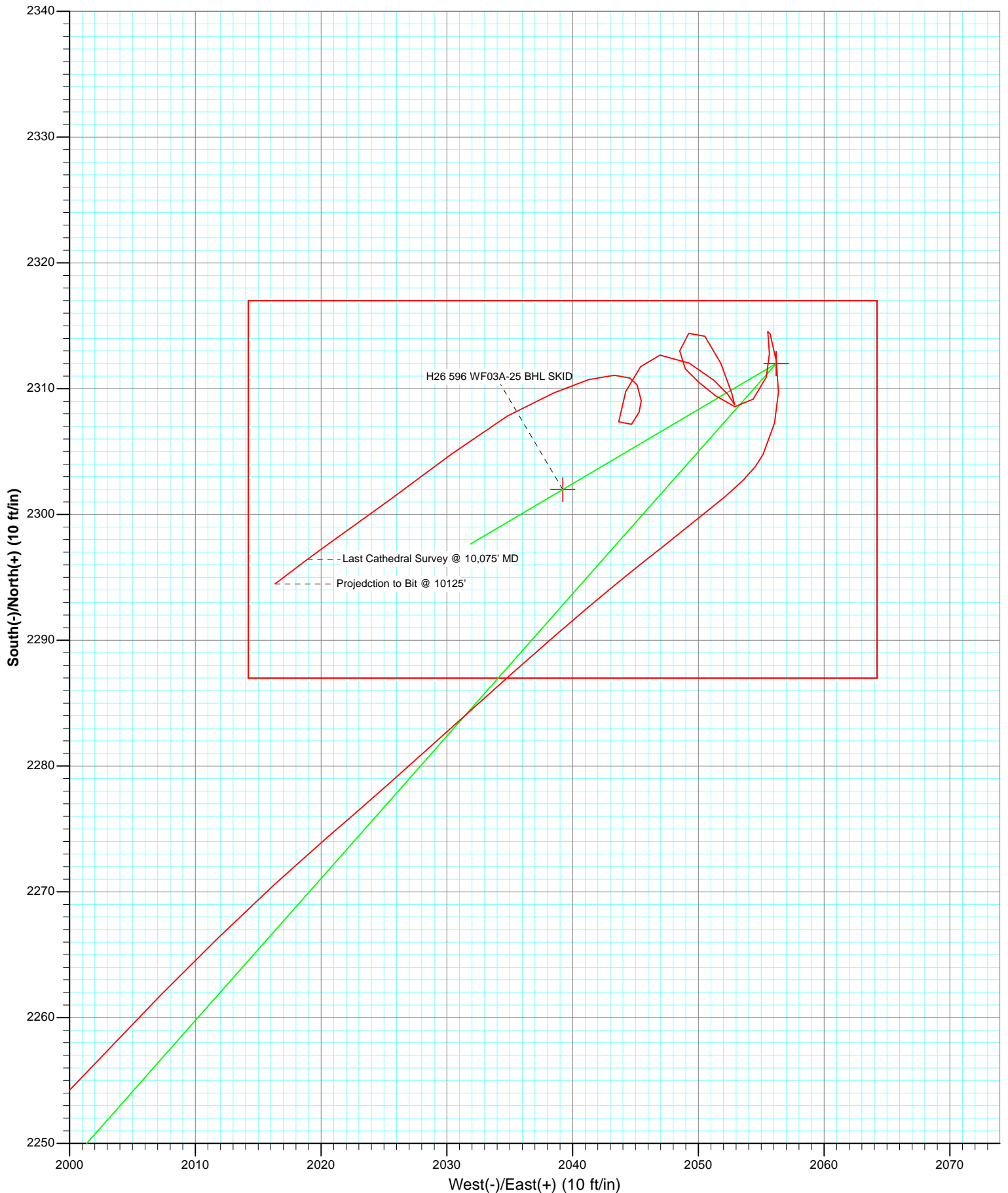
Azimuths to True North
 Magnetic North: 10.38°

Magnetic Field
 Strength: 52250.3nT
 Dip Angle: 65.78°
 Date: 10/4/2011
 Model: IGRF2010

DD							
WF03A-25 H26 596 (was 14B-24)							
115216, 7527 (SH), 115408, 108955: LR							
WELL @ 6114.0ft (Original Well Elev)							
GL @ 6052.0							
North American Datum 1983							
Well WF03A-25 H26 596 (was 14B-24), True North							
Type	Target	Target	Azimuth	Origin Type	N/S	E/W	From TVD
			41.54	Slot	0.0	0.0	0.0
		TV	+N/-S	+E/-W	Latitude		Longitude
H26 596 WF03A-25 TGT(2)		5574.0	2312.0	2056.2	39° 35' 34.83 N		108° 7' 20.42 W
H26 596 WF03A-25 BHL SKID		9034.0	2302.0	2039.2	39° 35' 34.73 N		108° 7' 20.64 W



Project: North Piceance
Site: H26 596
Well: WF03A-25 H26 596 (was 14B-24)
Wellbore: DD
Plan: FINAL



Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF03A-25 H26 596 (was 14B-24)
Project:	North Piceance	TVD Reference:	WELL @ 6114.0ft (Original Well Elev)
Site:	H26 596	MD Reference:	WELL @ 6114.0ft (Original Well Elev)
Well:	WF03A-25 H26 596 (was 14B-24)	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	H26 596			
Site Position:		Northing:	1,649,294.53 ft	Latitude: 39° 35' 11.93 N
From:	Map	Easting:	2,258,943.98 ft	Longitude: 108° 7' 47.14 W
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence: -1.66 °

Well	WF03A-25 H26 596 (was 14B-24)			
Well Position	+N/-S	0.0 ft	Northing:	1,649,298.53 ft
	+E/-W	0.0 ft	Easting:	2,258,979.34 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft
			Ground Level:	6,092.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/4/2011	10.39	65.78	52,250

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	41.54

Survey Program	Date	10/11/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
230.0	1,720.0	Survey #1 (DD)	MWD	Geolink MWD	
1,801.0	10,125.0	Survey #2 (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		
230.0	2.20	22.00	229.9	4.1	1.7	4.2	0.96	0.96		
261.0	2.20	28.80	260.9	5.2	2.2	5.3	0.84	0.00		
291.0	3.20	37.90	290.9	6.3	3.0	6.7	3.62	3.33		
322.0	3.60	40.80	321.8	7.8	4.1	8.5	1.40	1.29		
352.0	4.50	39.50	351.8	9.4	5.5	10.7	3.02	3.00		
382.0	5.10	41.10	381.7	11.3	7.1	13.2	2.05	2.00		
412.0	5.70	45.30	411.5	13.3	9.0	16.0	2.39	2.00		
443.0	6.40	43.30	442.3	15.7	11.3	19.2	2.36	2.26		
474.0	7.40	41.90	473.1	18.4	13.8	23.0	3.27	3.23		
504.0	8.10	43.60	502.8	21.4	16.6	27.0	2.46	2.33		
553.0	9.50	44.60	551.3	26.8	21.8	34.5	2.87	2.86		

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF03A-25 H26 596 (was 14B-24)
Project:	North Piceance	TVD Reference:	WELL @ 6114.0ft (Original Well Elev)
Site:	H26 596	MD Reference:	WELL @ 6114.0ft (Original Well Elev)
Well:	WF03A-25 H26 596 (was 14B-24)	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
599.0	10.70	44.40	596.6	32.5	27.5	42.6	2.61	2.61	
645.0	11.60	45.40	641.7	38.8	33.7	51.4	2.00	1.96	
690.0	12.70	45.50	685.7	45.5	40.5	60.9	2.44	2.44	
736.0	14.00	43.60	730.4	53.0	47.9	71.5	2.98	2.83	
782.0	15.30	45.10	774.9	61.4	56.1	83.1	2.94	2.83	
828.0	16.60	44.50	819.2	70.3	65.0	95.7	2.85	2.83	
874.0	18.60	42.50	863.0	80.4	74.5	109.6	4.54	4.35	
919.0	20.40	43.30	905.4	91.4	84.8	124.6	4.04	4.00	
965.0	21.90	42.70	948.3	103.6	96.1	141.2	3.29	3.26	
1,011.0	24.20	40.50	990.7	117.0	108.0	159.2	5.34	5.00	
1,057.0	25.60	41.00	1,032.4	131.7	120.7	178.6	3.08	3.04	
1,103.0	27.30	41.30	1,073.6	147.1	134.2	199.1	3.71	3.70	
1,148.0	29.20	39.40	1,113.2	163.4	147.9	220.4	4.67	4.22	
1,194.0	30.90	39.50	1,153.0	181.2	162.6	243.4	3.70	3.70	
1,240.0	31.70	41.50	1,192.3	199.3	178.1	267.3	2.85	1.74	
1,285.0	33.10	39.70	1,230.3	217.6	193.8	291.4	3.78	3.11	
1,331.0	34.20	39.80	1,268.6	237.2	210.1	316.9	2.39	2.39	
1,377.0	35.00	40.50	1,306.5	257.2	226.9	343.0	1.94	1.74	
1,423.0	35.20	42.10	1,344.1	277.1	244.4	369.4	2.05	0.43	
1,514.0	36.00	44.00	1,418.1	315.8	280.5	422.4	1.50	0.88	
1,606.0	38.90	42.80	1,491.1	356.4	319.0	478.3	3.25	3.15	
1,697.0	37.30	44.90	1,562.7	396.9	357.8	534.4	2.26	-1.76	
1,720.0	37.10	43.80	1,581.1	406.9	367.6	548.3	3.02	-0.87	Last Cathedral Survey @ 1,720' MD
1,801.0	35.60	42.20	1,646.3	442.0	400.3	596.3	2.19	-1.85	
1,893.0	37.20	42.60	1,720.3	482.3	437.1	650.9	1.76	1.74	
1,984.0	38.10	41.90	1,792.4	523.4	474.5	706.4	1.09	0.99	
2,076.0	39.20	41.90	1,864.2	566.2	512.9	763.9	1.20	1.20	
2,168.0	38.30	42.70	1,936.0	608.8	551.6	821.5	1.12	-0.98	
2,259.0	38.00	43.10	2,007.6	650.0	589.9	877.7	0.43	-0.33	
2,351.0	38.50	41.20	2,079.8	692.2	628.1	934.6	1.39	0.54	
2,442.0	39.80	41.30	2,150.4	735.4	666.0	992.1	1.43	1.43	
2,534.0	39.00	41.20	2,221.5	779.3	704.5	1,050.5	0.87	-0.87	
2,626.0	38.10	41.20	2,293.4	822.4	742.2	1,107.8	0.98	-0.98	
2,717.0	37.50	41.20	2,365.3	864.4	779.0	1,163.6	0.66	-0.66	
2,809.0	37.70	41.80	2,438.2	906.4	816.2	1,219.7	0.45	0.22	
2,900.0	39.00	41.10	2,509.6	948.7	853.5	1,276.2	1.51	1.43	
2,992.0	38.20	41.50	2,581.5	991.9	891.4	1,333.6	0.91	-0.87	
3,083.0	36.90	41.70	2,653.6	1,033.3	928.2	1,389.0	1.43	-1.43	
3,175.0	36.10	41.90	2,727.6	1,074.1	964.7	1,443.7	0.88	-0.87	
3,267.0	37.10	41.90	2,801.4	1,115.0	1,001.4	1,498.6	1.09	1.09	
3,358.0	39.00	40.50	2,873.1	1,157.2	1,038.3	1,554.7	2.29	2.09	
3,450.0	38.00	40.00	2,945.1	1,200.9	1,075.3	1,611.9	1.14	-1.09	
3,541.0	39.70	40.40	3,016.0	1,244.5	1,112.1	1,669.0	1.89	1.87	
3,633.0	39.20	40.40	3,087.0	1,289.0	1,150.0	1,727.4	0.54	-0.54	
3,724.0	38.50	40.40	3,157.9	1,332.5	1,187.0	1,784.5	0.77	-0.77	
3,816.0	37.30	39.00	3,230.5	1,375.9	1,223.1	1,841.0	1.60	-1.30	
3,907.0	38.50	40.40	3,302.3	1,418.9	1,258.8	1,896.8	1.62	1.32	
3,999.0	38.80	41.50	3,374.1	1,462.3	1,296.5	1,954.3	0.81	0.33	
4,091.0	40.30	42.80	3,445.1	1,505.8	1,335.8	2,012.9	1.86	1.63	
4,183.0	39.20	41.90	3,515.8	1,549.2	1,375.4	2,071.7	1.35	-1.20	
4,274.0	37.60	41.90	3,587.1	1,591.3	1,413.2	2,128.2	1.76	-1.76	
4,366.0	38.10	43.20	3,659.7	1,632.9	1,451.4	2,184.7	1.02	0.54	
4,457.0	36.80	42.70	3,732.0	1,673.4	1,489.1	2,240.0	1.47	-1.43	

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF03A-25 H26 596 (was 14B-24)
Project:	North Piceance	TVD Reference:	WELL @ 6114.0ft (Original Well Elev)
Site:	H26 596	MD Reference:	WELL @ 6114.0ft (Original Well Elev)
Well:	WF03A-25 H26 596 (was 14B-24)	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
4,549.0	37.40	44.00	3,805.4	1,713.7	1,527.2	2,295.4	1.07	0.65	
4,640.0	38.70	43.20	3,877.0	1,754.3	1,565.8	2,351.5	1.53	1.43	
4,732.0	37.30	42.30	3,949.5	1,795.9	1,604.3	2,408.1	1.64	-1.52	
4,824.0	36.20	41.50	4,023.2	1,836.9	1,641.1	2,463.2	1.30	-1.20	
4,915.0	34.40	40.70	4,097.5	1,876.5	1,675.6	2,515.7	2.04	-1.98	
5,007.0	33.40	39.90	4,173.9	1,915.6	1,708.8	2,567.0	1.19	-1.09	
5,098.0	30.80	41.60	4,250.9	1,952.3	1,740.4	2,615.4	3.02	-2.86	
5,190.0	30.30	40.60	4,330.2	1,987.5	1,771.1	2,662.1	0.77	-0.54	
5,281.0	28.50	42.90	4,409.5	2,020.9	1,800.8	2,706.8	2.33	-1.98	
5,373.0	27.20	43.10	4,490.8	2,052.3	1,830.1	2,749.8	1.42	-1.41	
5,464.0	24.80	42.70	4,572.6	2,081.5	1,857.3	2,789.6	2.64	-2.64	
5,556.0	23.10	41.10	4,656.7	2,109.3	1,882.2	2,827.0	1.98	-1.85	
5,647.0	20.70	40.60	4,741.1	2,135.0	1,904.4	2,860.9	2.65	-2.64	
5,739.0	20.30	37.60	4,827.3	2,159.9	1,924.8	2,893.1	1.22	-0.43	
5,831.0	17.80	36.30	4,914.2	2,183.9	1,942.8	2,923.0	2.76	-2.72	
5,922.0	17.30	39.30	5,001.0	2,205.6	1,959.6	2,950.4	1.14	-0.55	
6,013.0	16.70	37.50	5,088.0	2,226.5	1,976.2	2,977.0	0.88	-0.66	
6,105.0	14.80	42.10	5,176.5	2,245.7	1,992.1	3,001.9	2.47	-2.07	
6,197.0	12.90	44.50	5,265.9	2,261.7	2,007.2	3,023.9	2.16	-2.07	
6,288.0	10.50	49.10	5,355.0	2,274.4	2,020.6	3,042.3	2.83	-2.64	
6,380.0	8.20	47.80	5,445.7	2,284.3	2,031.8	3,057.1	2.51	-2.50	
6,471.0	6.60	49.60	5,536.0	2,292.0	2,040.5	3,068.7	1.78	-1.76	
6,563.0	4.10	52.80	5,627.6	2,297.4	2,047.2	3,077.2	2.74	-2.72	
6,654.0	3.90	49.60	5,718.4	2,301.4	2,052.1	3,083.5	0.33	-0.22	
6,746.0	1.80	25.30	5,810.2	2,304.8	2,055.1	3,087.9	2.58	-2.28	
6,837.0	1.60	14.50	5,901.2	2,307.3	2,056.1	3,090.4	0.41	-0.22	
6,929.0	1.50	359.10	5,993.2	2,309.7	2,056.4	3,092.5	0.46	-0.11	
7,020.0	1.60	353.50	6,084.1	2,312.2	2,056.2	3,094.2	0.20	0.11	
7,112.0	1.20	339.00	6,176.1	2,314.4	2,055.7	3,095.5	0.58	-0.43	
7,203.0	0.90	168.30	6,267.1	2,314.5	2,055.5	3,095.5	2.30	-0.33	
7,295.0	1.30	180.70	6,359.1	2,312.8	2,055.7	3,094.3	0.50	0.43	
7,386.0	1.10	195.90	6,450.1	2,310.9	2,055.4	3,092.7	0.41	-0.22	
7,478.0	1.50	221.50	6,542.0	2,309.2	2,054.4	3,090.7	0.76	0.43	
7,570.0	0.90	294.60	6,634.0	2,308.6	2,052.9	3,089.3	1.64	-0.65	
7,661.0	1.30	303.20	6,725.0	2,309.4	2,051.4	3,089.0	0.47	0.44	
7,753.0	0.80	317.30	6,817.0	2,310.5	2,050.1	3,088.9	0.61	-0.54	
7,844.0	1.20	313.10	6,908.0	2,311.6	2,049.0	3,089.0	0.45	0.44	
7,936.0	1.00	19.40	7,000.0	2,313.0	2,048.5	3,089.7	1.32	-0.22	
8,027.0	1.00	35.10	7,090.9	2,314.4	2,049.2	3,091.3	0.30	0.00	
8,120.0	1.50	137.80	7,183.9	2,314.2	2,050.5	3,091.9	2.13	0.54	
8,211.0	1.70	159.80	7,274.9	2,312.0	2,051.8	3,091.2	0.70	0.22	
8,303.0	1.50	160.00	7,366.9	2,309.6	2,052.7	3,089.9	0.22	-0.22	
8,394.0	0.40	323.40	7,457.9	2,308.7	2,052.9	3,089.4	2.07	-1.21	
8,486.0	0.80	326.60	7,549.9	2,309.5	2,052.4	3,089.7	0.44	0.43	
8,578.0	1.20	308.30	7,641.9	2,310.7	2,051.2	3,089.8	0.55	0.43	
8,669.0	1.80	302.70	7,732.8	2,312.0	2,049.3	3,089.5	0.68	0.66	
8,761.0	1.40	262.80	7,824.8	2,312.7	2,047.0	3,088.4	1.26	-0.43	
8,853.0	1.10	209.10	7,916.8	2,311.8	2,045.4	3,086.7	1.26	-0.33	
8,944.0	1.80	211.80	8,007.8	2,309.8	2,044.2	3,084.5	0.77	0.77	
9,036.0	1.50	170.30	8,099.7	2,307.4	2,043.7	3,082.3	1.31	-0.33	
9,127.0	1.60	39.80	8,190.7	2,307.2	2,044.7	3,082.8	3.09	0.11	
9,219.0	1.10	357.10	8,282.7	2,309.0	2,045.5	3,084.7	1.18	-0.54	
9,311.0	0.60	322.80	8,374.7	2,310.3	2,045.1	3,085.5	0.75	-0.54	

Cathedral Energy Services

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF03A-25 H26 596 (was 14B-24)
Project:	North Piceance	TVD Reference:	WELL @ 6114.0ft (Original Well Elev)
Site:	H26 596	MD Reference:	WELL @ 6114.0ft (Original Well Elev)
Well:	WF03A-25 H26 596 (was 14B-24)	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
9,402.0	0.40	301.70	8,465.7	2,310.8	2,044.6	3,085.5	0.30	-0.22	
9,494.0	1.20	272.70	8,557.7	2,311.1	2,043.3	3,084.8	0.95	0.87	
9,585.0	1.50	250.70	8,648.6	2,310.7	2,041.3	3,083.2	0.65	0.33	
9,677.0	2.20	248.20	8,740.6	2,309.7	2,038.5	3,080.6	0.77	0.76	
9,768.0	3.00	239.80	8,831.5	2,307.8	2,034.8	3,076.7	0.97	0.88	
9,860.0	3.70	232.60	8,923.3	2,304.8	2,030.4	3,071.5	0.89	0.76	
9,952.0	3.90	234.10	9,015.1	2,301.2	2,025.5	3,065.6	0.24	0.22	
10,043.0	3.70	234.70	9,105.9	2,297.6	2,020.6	3,059.7	0.22	-0.22	
10,075.0	3.70	232.70	9,137.8	2,296.4	2,018.9	3,057.7	0.40	0.00	Last Cathedral Survey @ 10,075' MD
10,125.0	3.70	232.70	9,187.7	2,294.5	2,016.3	3,054.5	0.00	0.00	Projection to Bit @ 10125'

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
H26 596 WF03A-25 BHI - actual wellpath misses target center by 14.8ft at 9970.1ft MD (9033.1 TVD, 2300.4 N, 2024.5 E) - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	9,034.0	2,302.0	2,039.2	1,651,540.53	2,261,084.33	39° 35' 34.73 N	108° 7' 20.64 W
H26 596 WF03A-25 TG ¹ - actual wellpath misses target center by 29.0ft at 6442.5ft MD (5507.7 TVD, 2289.8 N, 2038.0 E) - Point	0.00	0.00	5,504.0	2,312.0	2,056.2	1,651,550.05	2,261,101.59	39° 35' 34.83 N	108° 7' 20.42 W
H26 596 WF03A-25 TG ¹ - actual wellpath misses target center by 21.3ft at 6511.1ft MD (5575.9 TVD, 2294.7 N, 2043.8 E) - Point	0.00	0.00	5,574.0	2,312.0	2,056.2	1,651,550.05	2,261,101.59	39° 35' 34.83 N	108° 7' 20.42 W

Design Annotations

Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
1,720.0	1,581.1	406.9	367.6	Last Cathedral Survey @ 1,720' MD
10,075.0	9,137.8	2,296.4	2,018.9	Last Cathedral Survey @ 10,075' MD
10,125.0	9,187.7	2,294.5	2,016.3	Projection to Bit @ 10125'

Checked By: _____ Approved By: _____ Date: _____