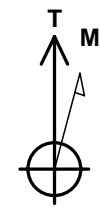
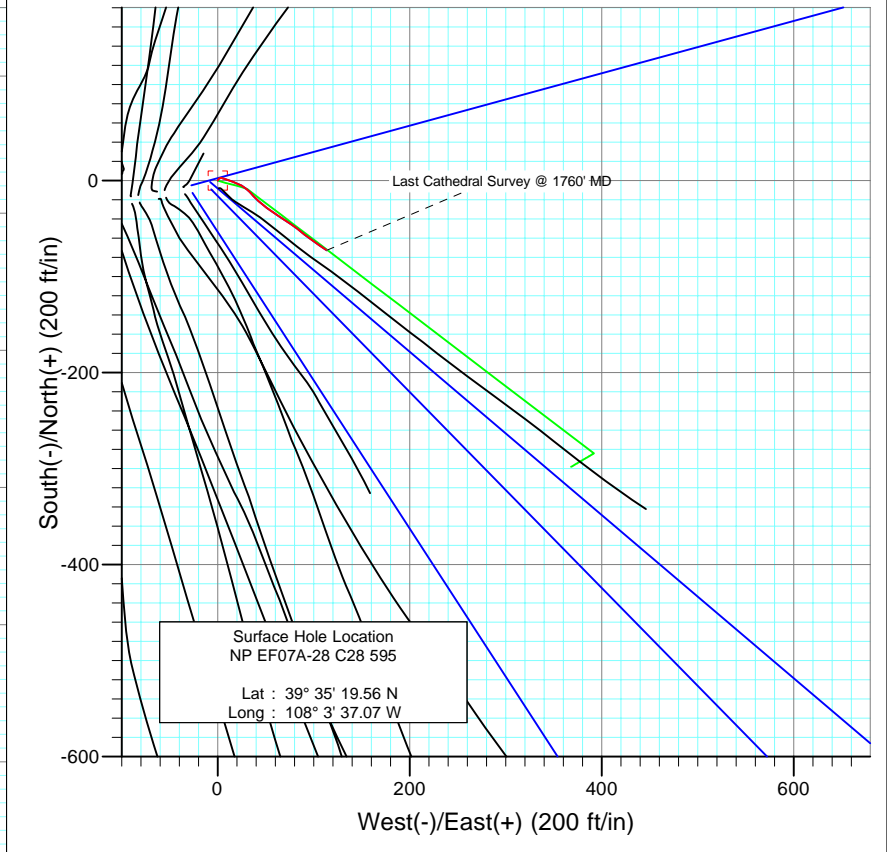
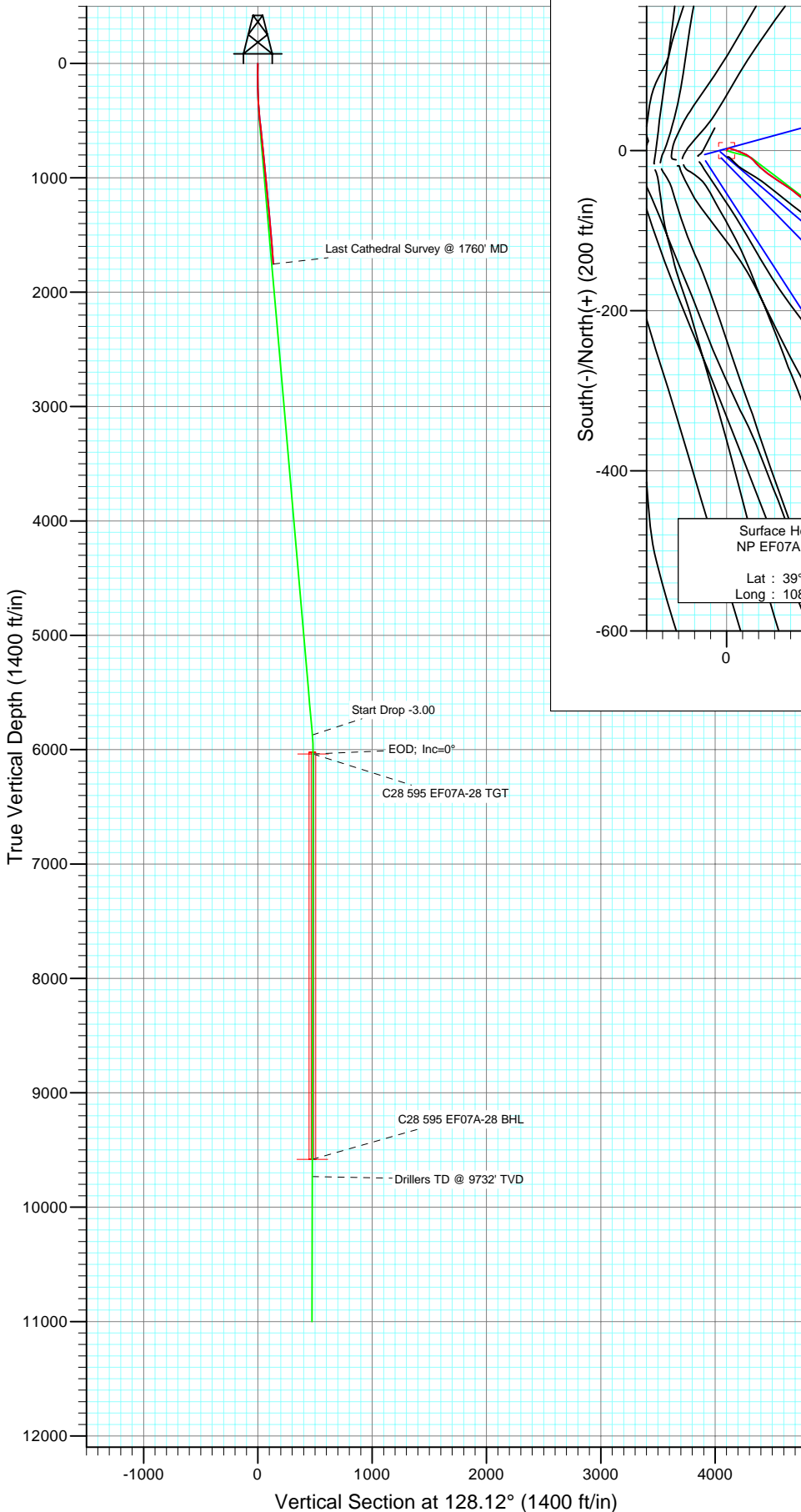




Project: North Piceance
 Site: C28 595 (S28-T5S-R95W)
 Well: NP EF07A-28 C28 595
 Wellbore: DD
 Design: DD



Azimuths to True North
 Magnetic North: 10.56°

Magnetic Field
 Strength: 52422.2snT
 Dip Angle: 65.84°
 Date: 2/24/2010
 Model: IGRF2010

DD						
NP EF07A-28 C28 595						
105255 (SH); LR						
KBE @ 6197.0ft (Original Well Elev)						
North American Datum 1983						
Well NP EF07A-28 C28 595, True North						
Type	Target	Azimuth	Origin	Type	N/S	E/W From TVD
Target	C28 595 EF07A-28 BHL	128.12	Slot		0.0	0.0
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	
C28 595 EF07A-28 BHL	9582.0	-294.1	374.939° 35'	16.65 N	108° 3' 32.28 W	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference: Well NP EF07A-28 C28 595
Project: North Piceance	TVD Reference: KBE @ 6197.0ft (Original Well Elev)
Site: C28 595 (S28-T5S-R95W)	MD Reference: KBE @ 6197.0ft (Original Well Elev)
Well: NP EF07A-28 C28 595	North Reference: True
Wellbore: DD	Survey Calculation Method: Minimum Curvature
Design: DD	Database: EDM 5000.1 US 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 C28 595 (S28-T5S-R95W)					
Site Position:		Northing:	1,649,466.64 ft	Latitude:	39° 35' 19.10 N
From:	Lat/Long	Easting:	2,278,319.64 ft	Longitude:	108° 3' 39.81 W
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	-1.62 °

Well NP EF07A-28 C28 595						
Well Position	+N/-S	0.0 ft	Northing:	1,649,506.76 ft	Latitude:	39° 35' 19.56 N
	+E/-W	0.0 ft	Easting:	2,278,535.37 ft	Longitude:	108° 3' 37.07 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	6,175.0 ft

Wellbore DD					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2/24/2010	10.56	65.84	52,422

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	128.12

Survey Program		Date	6/18/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
169.0	1,760.0	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	1.20	29.00	169.0	1.5	0.9	-0.3	0.71	0.71	
199.0	1.10	48.50	199.0	2.0	1.2	-0.3	1.34	-0.33	
230.0	1.50	58.70	230.0	2.4	1.8	-0.1	1.49	1.29	
261.0	1.80	72.10	261.0	2.8	2.6	0.3	1.57	0.97	
291.0	2.20	96.20	290.9	2.9	3.6	1.1	3.07	1.33	
322.0	3.30	105.90	321.9	2.6	5.1	2.4	3.84	3.55	
352.0	4.30	108.30	351.8	2.0	7.0	4.3	3.37	3.33	
382.0	5.30	109.40	381.7	1.2	9.3	6.6	3.35	3.33	
413.0	5.80	111.50	412.6	0.1	12.2	9.5	1.74	1.61	
473.0	6.50	109.00	472.2	-2.1	18.2	15.6	1.25	1.17	
565.0	6.10	124.50	563.7	-6.6	27.1	25.4	1.89	-0.43	
659.0	5.90	138.50	657.2	-13.0	34.5	35.2	1.57	-0.21	

Cathedral Energy Services

Survey Report

Company: EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference: Well NP EF07A-28 C28 595
Project: North Piceance	TVD Reference: KBE @ 6197.0ft (Original Well Elev)
Site: C28 595 (S28-T5S-R95W)	MD Reference: KBE @ 6197.0ft (Original Well Elev)
Well: NP EF07A-28 C28 595	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
754.0	5.70	135.10	751.7	-20.0	41.0	44.6	0.42	-0.21	
849.0	5.40	126.30	846.3	-26.0	48.0	53.8	0.95	-0.32	
944.0	5.30	123.00	940.8	-31.0	55.2	62.6	0.34	-0.11	
1,039.0	5.40	125.80	1,035.4	-36.1	62.5	71.5	0.29	0.11	
1,134.0	5.90	124.90	1,130.0	-41.5	70.2	80.8	0.53	0.53	
1,230.0	6.40	122.80	1,225.4	-47.2	78.7	91.1	0.57	0.52	
1,325.0	5.40	130.10	1,319.9	-52.9	86.6	100.8	1.31	-1.05	
1,421.0	3.80	128.30	1,415.6	-57.8	92.5	108.5	1.67	-1.67	
1,517.0	4.00	126.80	1,511.4	-61.8	97.7	115.0	0.23	0.21	
1,612.0	4.40	121.50	1,606.1	-65.7	103.5	122.0	0.59	0.42	
1,707.0	4.70	126.50	1,700.8	-69.9	109.7	129.5	0.52	0.32	
1,760.0	5.20	123.60	1,753.6	-72.5	113.5	134.0	1.05	0.94	

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
C28 595 EF07A-28 TGT - hit/miss target - Shape - Point	0.00	0.00	6,037.0	-284.1	391.9	1,649,211.74	2,278,919.05	39° 35' 16.75 N	108° 3' 32.06 W
- survey misses target center by 4297.6ft at 1760.0ft MD (1753.6 TVD, -72.5 N, 113.5 E)									
C28 595 EF07A-28 BHL - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	9,582.0	-294.1	374.9	1,649,202.20	2,278,901.83	39° 35' 16.65 N	108° 3' 32.28 W
- survey misses target center by 7835.9ft at 1760.0ft MD (1753.6 TVD, -72.5 N, 113.5 E)									

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1,760.0	1,753.6	-72.5	113.5	Last Cathedral Survey @ 1760' MD

Checked By: _____ Approved By: _____ Date: _____