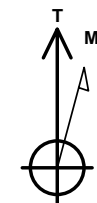
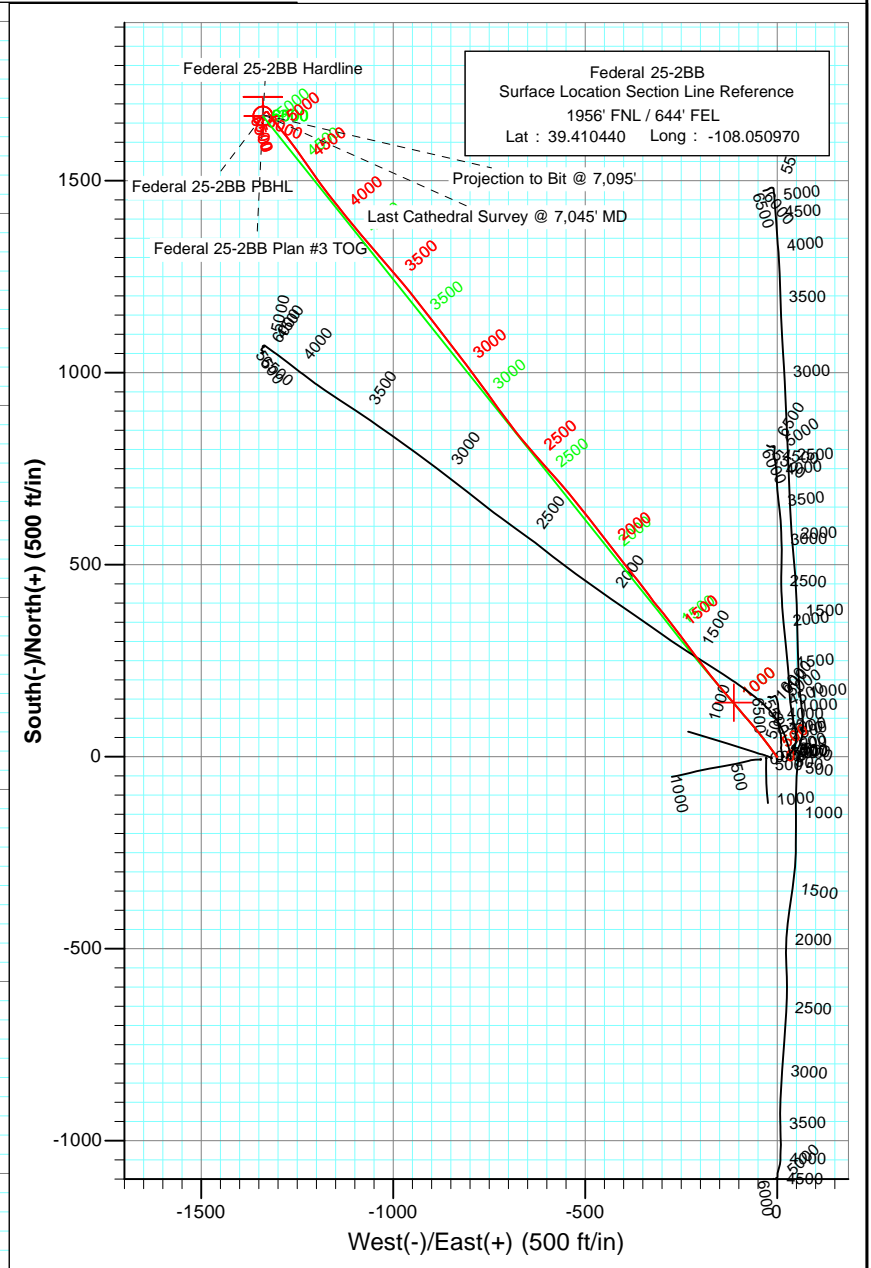
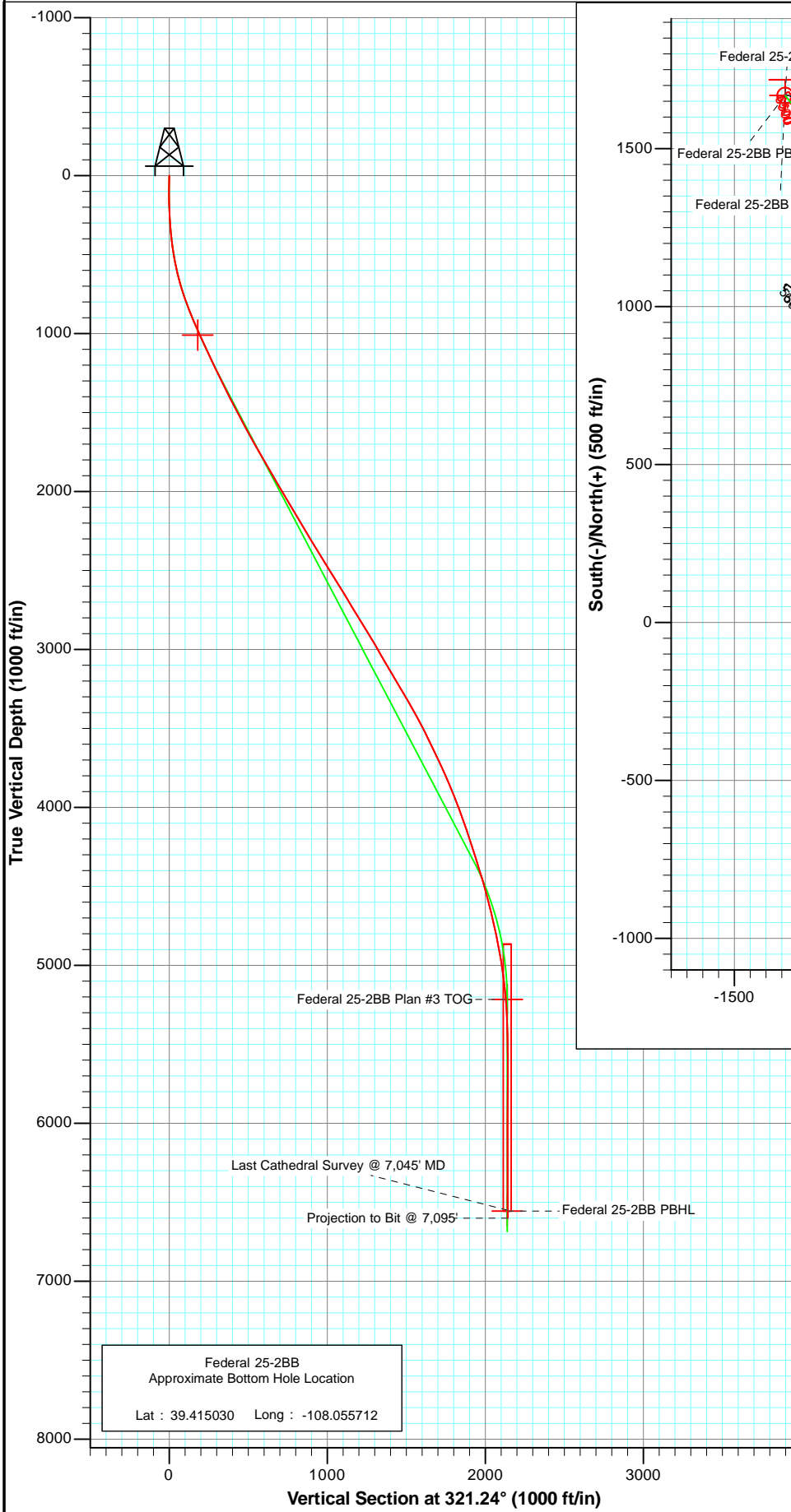




Project: S. Piceance (Parachute)
 Site: SENE Sec25-T7S-R96W (PH-25)
 Well: Federal 25-2BB
 Wellbore: DD
 Plan: FINAL



Azimuths to True North
 Magnetic North: 10.43°
 Magnetic Field
 Strength: 52247.9nT
 Dip Angle: 65.67°
 Date: 12/7/2010
 Model: IGRF2010

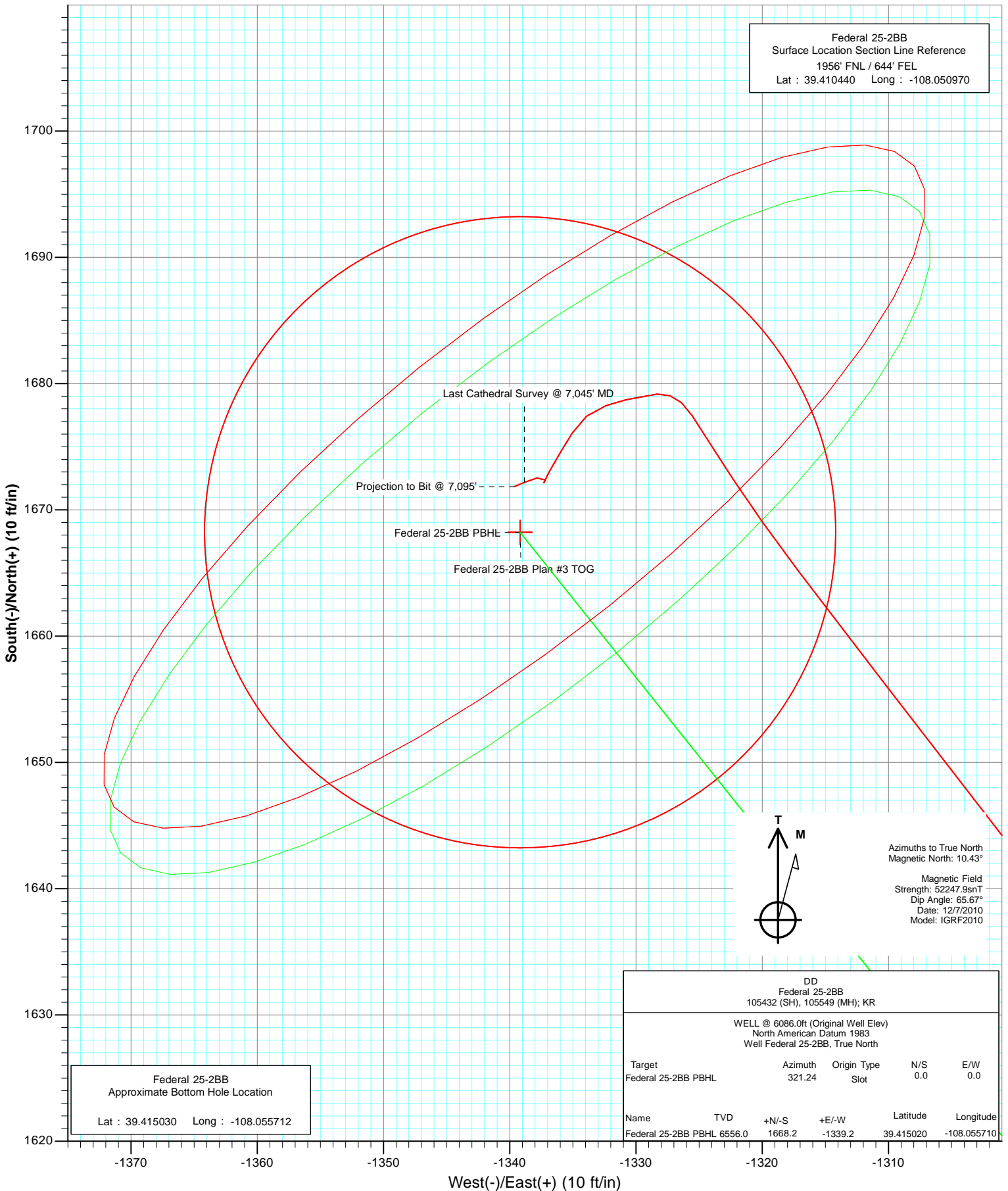
DD Federal 25-2BB 105432 (SH), 105549 (MH); KR					
WELL @ 6086.0ft (Original Well Elev) North American Datum 1983 Well Federal 25-2BB, True North					
Target	Azimuth	Origin Type	N/S	E/W	
Federal 25-2BB PBHL	321.24	Slot	0.0	0.0	
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
Federal 25-2BB PBHL	6556.0	1668.2	-1339.2	39.415020	-108.055710



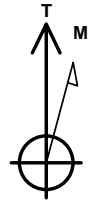
Project: S. Piceance (Parachute)
 Site: SENE Sec25-T7S-R96W (PH-25)
 Well: Federal 25-2BB
 Wellbore: DD
 Plan: FINAL



Federal 25-2BB
 Surface Location Section Line Reference
 1956' FNL / 644' FEL
 Lat : 39.410440 Long : -108.050970



Federal 25-2BB
 Approximate Bottom Hole Location
 Lat : 39.415030 Long : -108.055712



Azimuths to True North
 Magnetic North: 10.43°
 Magnetic Field
 Strength: 52247.9snT
 Dip Angle: 65.67°
 Date: 12/7/2010
 Model: IGRF2010

DD Federal 25-2BB 105432 (SH), 105549 (MH); KR					
WELL @ 6086.0ft (Original Well Elev) North American Datum 1983 Well Federal 25-2BB, True North					
Target	Azimuth	Origin Type	N/S	E/W	
Federal 25-2BB PBHL	321.24	Slot	0.0	0.0	
Name	TVD	+N/-S	+E/-W	Latitude	Longitude
Federal 25-2BB PBHL	6556.0	1668.2	-1339.2	39.415020	-108.055710

Survey Report

Company: EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference: Well Federal 25-2BB
Project: S. Piceance (Parachute)	TVD Reference: WELL @ 6086.0ft (Original Well Elev)
Site: SENE Sec25-T7S-R96W (PH-25)	MD Reference: WELL @ 6086.0ft (Original Well Elev)
Well: Federal 25-2BB	North Reference: True
Wellbore: DD	Survey Calculation Method: Minimum Curvature
Design: DD	Database: EDM 5000.1 US Multi Users DB

Project S. Piceance (Parachute), Garfield County, CO		
Map System: US State Plane 1983	System Datum: Mean Sea Level	
Geo Datum: North American Datum 1983		
Map Zone: Colorado Central Zone		

Site SENE Sec25-T7S-R96W (PH-25)				
Site Position:	Northing: 1,584,503.36 ft	Latitude: 39.410440		
From: Lat/Long	Easting: 2,279,392.91 ft	Longitude: -108.050780		
Position Uncertainty: 0.0 ft	Slot Radius: 0.000 in	Grid Convergence: -1.61 °		

Well Federal 25-2BB				
Well Position	+N/-S 0.0 ft	Northing: 1,584,504.86 ft	Latitude: 39.410440	
	+E/-W 0.0 ft	Easting: 2,279,339.25 ft	Longitude: -108.050970	
Position Uncertainty	0.0 ft	Wellhead Elevation: ft	Ground Level: 6,064.0 ft	

Wellbore DD					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/7/2010	10.43	65.67	52,248

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	321.24

Survey Program		Date 12/16/2010		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
82.0	7,095.0	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	
82.0	0.40	149.90	82.0	-0.2	0.1	-0.3	0.49	0.49	
112.0	0.10	210.00	112.0	-0.4	0.2	-0.4	1.20	-1.00	
142.0	0.50	280.40	142.0	-0.4	0.0	-0.3	1.59	1.33	
173.0	0.70	305.80	173.0	-0.2	-0.2	0.0	1.06	0.65	
203.0	1.30	309.70	203.0	0.1	-0.7	0.5	2.01	2.00	
233.0	2.30	329.40	233.0	0.8	-1.2	1.4	3.87	3.33	
263.0	3.60	327.80	262.9	2.2	-2.0	2.9	4.34	4.33	
293.0	4.40	320.50	292.9	3.8	-3.3	5.0	3.16	2.67	
384.0	6.00	321.60	383.5	10.3	-8.4	13.3	1.76	1.76	
475.0	8.20	325.40	473.8	19.3	-15.1	24.5	2.47	2.42	
565.0	11.30	323.90	562.5	31.7	-23.9	39.7	3.46	3.44	
656.0	14.90	321.70	651.1	48.1	-36.4	60.3	3.99	3.96	

Survey Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Federal 25-2BB
Project:	S. Piceance (Parachute)	TVD Reference:	WELL @ 6086.0ft (Original Well Elev)
Site:	SENE Sec25-T7S-R96W (PH-25)	MD Reference:	WELL @ 6086.0ft (Original Well Elev)
Well:	Federal 25-2BB	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
747.0	18.10	321.00	738.3	68.3	-52.6	86.2	3.52	3.52	
838.0	20.40	318.20	824.2	91.1	-72.1	116.2	2.72	2.53	
929.0	23.10	320.50	908.8	116.7	-94.0	149.9	3.11	2.97	
1,020.0	24.40	320.30	992.0	145.0	-117.3	186.5	1.43	1.43	
1,088.0	24.50	318.60	1,053.9	166.3	-135.6	214.6	1.05	0.15	
1,246.0	25.20	321.70	1,197.3	217.3	-178.2	281.0	0.94	0.44	
1,339.0	26.10	323.00	1,281.2	249.2	-202.7	321.2	1.14	0.97	
1,432.0	26.40	323.80	1,364.6	282.2	-227.3	362.3	0.50	0.32	
1,526.0	28.00	323.10	1,448.2	316.7	-252.9	405.3	1.74	1.70	
1,619.0	27.90	321.30	1,530.3	351.2	-279.6	448.9	0.91	-0.11	
1,712.0	28.10	321.70	1,612.4	385.3	-306.7	492.5	0.29	0.22	
1,806.0	29.40	323.10	1,694.9	421.2	-334.3	537.7	1.56	1.38	
1,899.0	30.90	322.40	1,775.3	458.3	-362.6	584.4	1.66	1.61	
1,992.0	29.70	321.20	1,855.6	495.2	-391.6	631.3	1.45	-1.29	
2,085.0	29.30	320.80	1,936.5	530.8	-420.4	677.1	0.48	-0.43	
2,179.0	30.10	322.80	2,018.2	567.4	-449.2	723.7	1.35	0.85	
2,272.0	31.50	322.80	2,098.0	605.3	-478.0	771.3	1.51	1.51	
2,365.0	31.10	321.20	2,177.5	643.4	-507.7	819.6	0.99	-0.43	
2,459.0	31.10	320.30	2,258.0	681.0	-538.5	868.1	0.49	0.00	
2,552.0	30.50	318.50	2,337.9	717.2	-569.4	915.7	1.18	-0.65	
2,646.0	31.50	318.40	2,418.5	753.4	-601.6	964.1	1.07	1.06	
2,739.0	32.10	319.40	2,497.5	790.3	-633.8	1,013.0	0.86	0.65	
2,832.0	32.00	320.10	2,576.3	828.0	-665.7	1,062.4	0.41	-0.11	
2,925.0	31.20	323.00	2,655.5	866.1	-696.0	1,111.1	1.85	-0.86	
3,019.0	31.40	323.70	2,735.9	905.3	-725.1	1,159.9	0.44	0.21	
3,112.0	31.70	323.90	2,815.1	944.6	-753.9	1,208.5	0.34	0.32	
3,206.0	31.20	324.20	2,895.3	984.3	-782.6	1,257.5	0.56	-0.53	
3,299.0	30.70	323.30	2,975.1	1,022.9	-810.9	1,305.3	0.73	-0.54	
3,392.0	29.70	321.60	3,055.4	1,059.9	-839.4	1,352.0	1.41	-1.08	
3,485.0	29.90	322.20	3,136.1	1,096.3	-867.9	1,398.3	0.39	0.22	
3,579.0	30.50	322.20	3,217.4	1,133.7	-896.9	1,445.5	0.64	0.64	
3,672.0	30.50	321.60	3,297.5	1,170.8	-926.0	1,492.7	0.33	0.00	
3,766.0	30.10	322.40	3,378.7	1,208.2	-955.2	1,540.2	0.60	-0.43	
3,859.0	27.90	319.30	3,460.0	1,243.2	-983.7	1,585.2	2.86	-2.37	
3,953.0	26.00	318.90	3,543.8	1,275.4	-1,011.6	1,627.8	2.03	-2.02	
4,046.0	26.00	319.30	3,627.4	1,306.2	-1,038.2	1,668.5	0.19	0.00	
4,139.0	25.10	319.30	3,711.3	1,336.6	-1,064.4	1,708.6	0.97	-0.97	
4,233.0	23.80	320.60	3,796.9	1,366.4	-1,089.4	1,747.5	1.50	-1.38	
4,326.0	22.20	319.80	3,882.5	1,394.3	-1,112.7	1,783.8	1.75	-1.72	
4,420.0	21.50	322.40	3,969.7	1,421.5	-1,134.7	1,818.8	1.27	-0.74	
4,516.0	20.00	321.10	4,059.5	1,448.2	-1,155.7	1,852.8	1.63	-1.56	
4,606.0	18.40	322.70	4,144.5	1,471.5	-1,174.0	1,882.4	1.87	-1.78	
4,700.0	17.50	323.70	4,233.9	1,494.7	-1,191.3	1,911.4	1.01	-0.96	
4,793.0	17.60	325.90	4,322.6	1,517.6	-1,207.5	1,939.4	0.72	0.11	
4,887.0	17.40	325.70	4,412.2	1,541.0	-1,223.4	1,967.5	0.22	-0.21	
4,980.0	16.00	324.00	4,501.3	1,562.8	-1,238.8	1,994.2	1.59	-1.51	
5,073.0	14.20	323.70	4,591.1	1,582.4	-1,253.1	2,018.4	1.94	-1.94	
5,166.0	13.40	323.60	4,681.4	1,600.3	-1,266.2	2,040.6	0.86	-0.86	
5,260.0	12.10	320.40	4,773.1	1,616.6	-1,278.9	2,061.3	1.57	-1.38	
5,353.0	11.50	321.60	4,864.1	1,631.4	-1,290.9	2,080.3	0.70	-0.65	
5,446.0	9.60	322.10	4,955.5	1,644.8	-1,301.4	2,097.3	2.05	-2.04	
5,540.0	8.10	322.40	5,048.4	1,656.2	-1,310.3	2,111.8	1.60	-1.60	
5,633.0	6.00	322.90	5,140.7	1,665.3	-1,317.2	2,123.2	2.26	-2.26	

Survey Report

Company: EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference: Well Federal 25-2BB
Project: S. Piceance (Parachute)	TVD Reference: WELL @ 6086.0ft (Original Well Elev)
Site: SENE Sec25-T7S-R96W (PH-25)	MD Reference: WELL @ 6086.0ft (Original Well Elev)
Well: Federal 25-2BB	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
5,727.0	4.70	326.80	5,234.3	1,672.4	-1,322.3	2,132.0	1.44	-1.38	
5,820.0	2.70	327.80	5,327.1	1,677.5	-1,325.6	2,137.9	2.15	-2.15	
5,913.0	2.00	264.20	5,420.0	1,679.2	-1,328.3	2,141.0	2.74	-0.75	
6,006.0	1.10	251.80	5,513.0	1,678.7	-1,330.8	2,142.2	1.03	-0.97	
6,100.0	0.90	255.40	5,607.0	1,678.3	-1,332.4	2,142.8	0.22	-0.21	
6,193.0	1.30	231.80	5,700.0	1,677.4	-1,333.9	2,143.1	0.64	0.43	
6,286.0	0.90	204.10	5,792.9	1,676.1	-1,335.0	2,142.8	0.70	-0.43	
6,379.0	1.10	217.70	5,885.9	1,674.7	-1,335.9	2,142.2	0.33	0.22	
6,473.0	1.30	203.50	5,979.9	1,673.0	-1,336.9	2,141.5	0.38	0.21	
6,566.0	0.10	343.70	6,072.9	1,672.1	-1,337.3	2,141.1	1.48	-1.29	
6,660.0	0.20	49.50	6,166.9	1,672.3	-1,337.2	2,141.2	0.20	0.11	
6,753.0	0.20	254.20	6,259.9	1,672.4	-1,337.2	2,141.3	0.42	0.00	
6,846.0	0.20	308.50	6,352.9	1,672.4	-1,337.5	2,141.5	0.20	0.00	
6,940.0	0.20	266.90	6,446.9	1,672.5	-1,337.8	2,141.7	0.15	0.00	
7,045.0	1.00	247.40	6,551.9	1,672.2	-1,338.8	2,142.1	0.78	0.76	Last Cathedral Survey @ 7,045' MD
7,095.0	1.00	247.40	6,601.9	1,671.8	-1,339.6	2,142.4	0.00	0.00	Projection to Bit @ 7,095'

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Federal 25-2BB TGT-int - hit/miss target - Shape - Point	0.00	0.00	1,010.5	140.8	-113.0	1,584,648.73	2,279,230.26	39.410826	-108.051370
- survey misses target center by 13.1ft at 1034.3ft MD (1005.0 TVD, 149.5 N, -121.1 E)									
Federal 25-2BB Hardline - survey misses target center by 5637.6ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E) - Polygon Point 1 Point 2	0.00	0.00	-5,216.0	1,668.2	-1,339.2	1,586,210.03	2,278,047.45	39.415020	-108.055710
- survey misses target center by 5637.6ft at 0.0ft MD (0.0 TVD, 0.0 N, 0.0 E)									
Point 1: -5,216.0, 50.0, 50.0, 1,586,258.61, 2,278,098.83									
Point 2: -5,216.0, 50.0, -50.0, 1,586,261.41, 2,277,998.87									
Federal 25-2BB Plan #3 - survey misses target center by 18.0ft at 5709.4ft MD (5216.7 TVD, 1671.2 N, -1321.5 E) - Point	0.00	0.00	5,216.0	1,668.2	-1,339.2	1,586,210.03	2,278,047.45	39.415020	-108.055710
- survey misses target center by 18.0ft at 5709.4ft MD (5216.7 TVD, 1671.2 N, -1321.5 E)									
Federal 25-2BB PBHL - survey misses target center by 5.7ft at 7045.0ft MD (6551.9 TVD, 1672.2 N, -1338.8 E) - Circle (radius 25.0)	0.00	0.00	6,556.0	1,668.2	-1,339.2	1,586,210.03	2,278,047.45	39.415020	-108.055710
- survey misses target center by 5.7ft at 7045.0ft MD (6551.9 TVD, 1672.2 N, -1338.8 E)									
- Circle (radius 25.0)									

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates +N/-S (ft)	+E/-W (ft)	Comment
7,045.0	6,551.9	1,672.2	-1,338.8	Last Cathedral Survey @ 7,045' MD
7,095.0	6,601.9	1,671.8	-1,339.6	Projection to Bit @ 7,095'

Checked By: _____ Approved By: _____ Date: _____