

DJ/Paradox/WTX

Wattenberg

New Drills

Echeverria 0-2-2

Wellbore #1

Plan: Design #1

Standard Planning Report - Geographic

29 April, 2010

EnCana Corporation
Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Echeverria 0-2-2
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 4868.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 4868.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Echeverria 0-2-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Wattenberg,		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		

Site		New Drills				
Site Position:		Northing:	1,252,450.66 ft	Latitude:	40° 1' 32.016 N	
From:	Lat/Long	Easting:	3,120,627.66 ft	Longitude:	105° 4' 9.336 W	
Position Uncertainty:		ft	Slot Radius:	in	Grid Convergence:	0.28 °

Well	Echeverria 0-2-2					
Well Position	+N/-S	53,261.4 ft	Northing:	1,306,133.01 ft	Latitude:	40° 10' 19.056 N
	+E/-W	58,552.6 ft	Easting:	3,178,794.34 ft	Longitude:	104° 51' 36.648 W
Position Uncertainty		ft	Wellhead Elevation:	ft	Ground Level:	4,855.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.05	66.91	53,174

Design	Design #1				
Audit Notes:					
Version:	Phase:	PROTOTYPE		Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	261.82	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,807.2	20.14	261.82	1,786.5	-24.9	-173.4	2.00	2.00	0.00	261.82	
6,216.8	20.14	261.82	5,926.5	-240.9	-1,676.5	0.00	0.00	0.00	0.00	
7,223.9	0.00	0.00	6,913.0	-265.8	-1,850.0	2.00	-2.00	0.00	180.00	
8,263.9	0.00	0.00	7,953.0	-265.8	-1,850.0	0.00	0.00	0.00	0.00	0-2-2 BHL

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Planning Report - Geographic

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Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 4868.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 4868.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Echeverria 0-2-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned 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	1,306,133.01	3,178,794.34	40° 10' 19.056 N	104° 51' 36.648 W	
100.0	0.00	0.00	100.0	0.0	0.0	1,306,133.01	3,178,794.34	40° 10' 19.056 N	104° 51' 36.648 W	
200.0	0.00	0.00	200.0	0.0	0.0	1,306,133.01	3,178,794.34	40° 10' 19.056 N	104° 51' 36.648 W	
300.0	0.00	0.00	300.0	0.0	0.0	1,306,133.01	3,178,794.34	40° 10' 19.056 N	104° 51' 36.648 W	
400.0	0.00	0.00	400.0	0.0	0.0	1,306,133.01	3,178,794.34	40° 10' 19.056 N	104° 51' 36.648 W	
500.0	0.00	0.00	500.0	0.0	0.0	1,306,133.01	3,178,794.34	40° 10' 19.056 N	104° 51' 36.648 W	
600.0	0.00	0.00	600.0	0.0	0.0	1,306,133.01	3,178,794.34	40° 10' 19.056 N	104° 51' 36.648 W	
700.0	0.00	0.00	700.0	0.0	0.0	1,306,133.01	3,178,794.34	40° 10' 19.056 N	104° 51' 36.648 W	
800.0	0.00	0.00	800.0	0.0	0.0	1,306,133.01	3,178,794.34	40° 10' 18.995 N	104° 51' 37.203 W	
900.0	2.00	261.82	900.0	-0.2	-1.7	1,306,132.75	3,178,792.62	40° 10' 19.053 N	104° 51' 36.670 W	
1,000.0	4.00	261.82	999.8	-1.0	-6.9	1,306,131.97	3,178,787.44	40° 10' 19.046 N	104° 51' 36.737 W	
1,100.0	6.00	261.82	1,099.5	-2.2	-15.5	1,306,130.67	3,178,778.82	40° 10' 19.034 N	104° 51' 36.848 W	
1,200.0	8.00	261.82	1,198.7	-4.0	-27.6	1,306,128.84	3,178,766.77	40° 10' 19.017 N	104° 51' 37.004 W	
1,300.0	10.00	261.82	1,297.5	-6.2	-43.1	1,306,126.51	3,178,751.31	40° 10' 18.995 N	104° 51' 37.203 W	
1,400.0	12.00	261.82	1,395.6	-8.9	-62.0	1,306,123.66	3,178,732.44	40° 10' 18.968 N	104° 51' 37.446 W	
1,500.0	14.00	261.82	1,493.1	-12.1	-84.2	1,306,120.30	3,178,710.20	40° 10' 18.936 N	104° 51' 37.733 W	
1,600.0	16.00	261.82	1,589.6	-15.8	-109.8	1,306,116.43	3,178,684.61	40° 10' 18.900 N	104° 51' 38.063 W	
1,700.0	18.00	261.82	1,685.3	-19.9	-138.8	1,306,112.06	3,178,655.70	40° 10' 18.859 N	104° 51' 38.436 W	
1,800.0	20.00	261.82	1,779.8	-24.6	-171.0	1,306,107.20	3,178,623.51	40° 10' 18.813 N	104° 51' 38.851 W	
1,807.2	20.14	261.82	1,786.5	-24.9	-173.4	1,306,106.83	3,178,621.09	40° 10' 18.810 N	104° 51' 38.882 W	
1,900.0	20.14	261.82	1,873.7	-29.5	-205.1	1,306,102.06	3,178,589.47	40° 10' 18.765 N	104° 51' 39.290 W	
2,000.0	20.14	261.82	1,967.6	-34.4	-239.2	1,306,096.91	3,178,555.42	40° 10' 18.716 N	104° 51' 39.729 W	
2,100.0	20.14	261.82	2,061.5	-39.3	-273.3	1,306,091.77	3,178,521.37	40° 10' 18.668 N	104° 51' 40.168 W	
2,200.0	20.14	261.82	2,155.4	-44.2	-307.3	1,306,086.63	3,178,487.32	40° 10' 18.619 N	104° 51' 40.607 W	
2,300.0	20.14	261.82	2,249.2	-49.1	-341.4	1,306,081.48	3,178,453.27	40° 10' 18.571 N	104° 51' 41.047 W	
2,400.0	20.14	261.82	2,343.1	-54.0	-375.5	1,306,076.34	3,178,419.22	40° 10' 18.523 N	104° 51' 41.486 W	
2,500.0	20.14	261.82	2,437.0	-58.9	-409.6	1,306,071.19	3,178,385.17	40° 10' 18.474 N	104° 51' 41.925 W	
2,600.0	20.14	261.82	2,530.9	-63.8	-443.7	1,306,066.05	3,178,351.12	40° 10' 18.426 N	104° 51' 42.364 W	
2,700.0	20.14	261.82	2,624.8	-68.7	-477.8	1,306,060.90	3,178,317.07	40° 10' 18.377 N	104° 51' 42.803 W	
2,800.0	20.14	261.82	2,718.7	-73.6	-511.9	1,306,055.76	3,178,283.02	40° 10' 18.329 N	104° 51' 43.242 W	
2,900.0	20.14	261.82	2,812.5	-78.5	-546.0	1,306,050.62	3,178,248.97	40° 10' 18.280 N	104° 51' 43.681 W	
3,000.0	20.14	261.82	2,906.4	-83.4	-580.0	1,306,045.47	3,178,214.92	40° 10' 18.232 N	104° 51' 44.120 W	
3,100.0	20.14	261.82	3,000.3	-88.3	-614.1	1,306,040.33	3,178,180.87	40° 10' 18.184 N	104° 51' 44.559 W	
3,200.0	20.14	261.82	3,094.2	-93.2	-648.2	1,306,035.18	3,178,146.82	40° 10' 18.135 N	104° 51' 44.999 W	
3,300.0	20.14	261.82	3,188.1	-98.0	-682.3	1,306,030.04	3,178,112.77	40° 10' 18.087 N	104° 51' 45.438 W	
3,400.0	20.14	261.82	3,282.0	-102.9	-716.4	1,306,024.90	3,178,078.72	40° 10' 18.038 N	104° 51' 45.877 W	
3,500.0	20.14	261.82	3,375.8	-107.8	-750.5	1,306,019.75	3,178,044.67	40° 10' 17.990 N	104° 51' 46.316 W	
3,600.0	20.14	261.82	3,469.7	-112.7	-784.6	1,306,014.61	3,178,010.62	40° 10' 17.942 N	104° 51' 46.755 W	
3,700.0	20.14	261.82	3,563.6	-117.6	-818.6	1,306,009.46	3,177,976.57	40° 10' 17.893 N	104° 51' 47.194 W	
3,800.0	20.14	261.82	3,657.5	-122.5	-852.7	1,306,004.32	3,177,942.52	40° 10' 17.845 N	104° 51' 47.633 W	
3,900.0	20.14	261.82	3,751.4	-127.4	-886.8	1,305,999.17	3,177,908.47	40° 10' 17.796 N	104° 51' 48.072 W	
4,000.0	20.14	261.82	3,845.3	-132.3	-920.9	1,305,994.03	3,177,874.42	40° 10' 17.748 N	104° 51' 48.511 W	
4,100.0	20.14	261.82	3,939.1	-137.2	-955.0	1,305,988.89	3,177,840.37	40° 10' 17.699 N	104° 51' 48.951 W	
4,200.0	20.14	261.82	4,033.0	-142.1	-989.1	1,305,983.74	3,177,806.32	40° 10' 17.651 N	104° 51' 49.390 W	
4,300.0	20.14	261.82	4,126.9	-147.0	-1,023.2	1,305,978.60	3,177,772.27	40° 10' 17.603 N	104° 51' 49.829 W	
4,400.0	20.14	261.82	4,220.8	-151.9	-1,057.2	1,305,973.45	3,177,738.22	40° 10' 17.554 N	104° 51' 50.268 W	
4,500.0	20.14	261.82	4,314.7	-156.8	-1,091.3	1,305,968.31	3,177,704.17	40° 10' 17.506 N	104° 51' 50.707 W	
4,600.0	20.14	261.82	4,408.6	-161.7	-1,125.4	1,305,963.17	3,177,670.12	40° 10' 17.457 N	104° 51' 51.146 W	
4,700.0	20.14	261.82	4,502.4	-166.6	-1,159.5	1,305,958.02	3,177,636.07	40° 10' 17.409 N	104° 51' 51.585 W	
4,800.0	20.14	261.82	4,596.3	-171.5	-1,193.6	1,305,952.88	3,177,602.02	40° 10' 17.361 N	104° 51' 52.024 W	
4,900.0	20.14	261.82	4,690.2	-176.4	-1,227.7	1,305,947.73	3,177,567.97	40° 10' 17.312 N	104° 51' 52.463 W	
5,000.0	20.14	261.82	4,784.1	-181.3	-1,261.8	1,305,942.59	3,177,533.92	40° 10' 17.264 N	104° 51' 52.903 W	
5,100.0	20.14	261.82	4,878.0	-186.2	-1,295.8	1,305,937.44	3,177,499.87	40° 10' 17.215 N	104° 51' 53.342 W	
5,200.0	20.14	261.82	4,971.9	-191.1	-1,329.9	1,305,932.30	3,177,465.82	40° 10' 17.167 N	104° 51' 53.781 W	
5,300.0	20.14	261.82	5,065.7	-196.0	-1,364.0	1,305,927.16	3,177,431.77	40° 10' 17.118 N	104° 51' 54.220 W	

EnCana Corporation
Planning Report - Geographic

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Well:	Echeverria 0-2-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

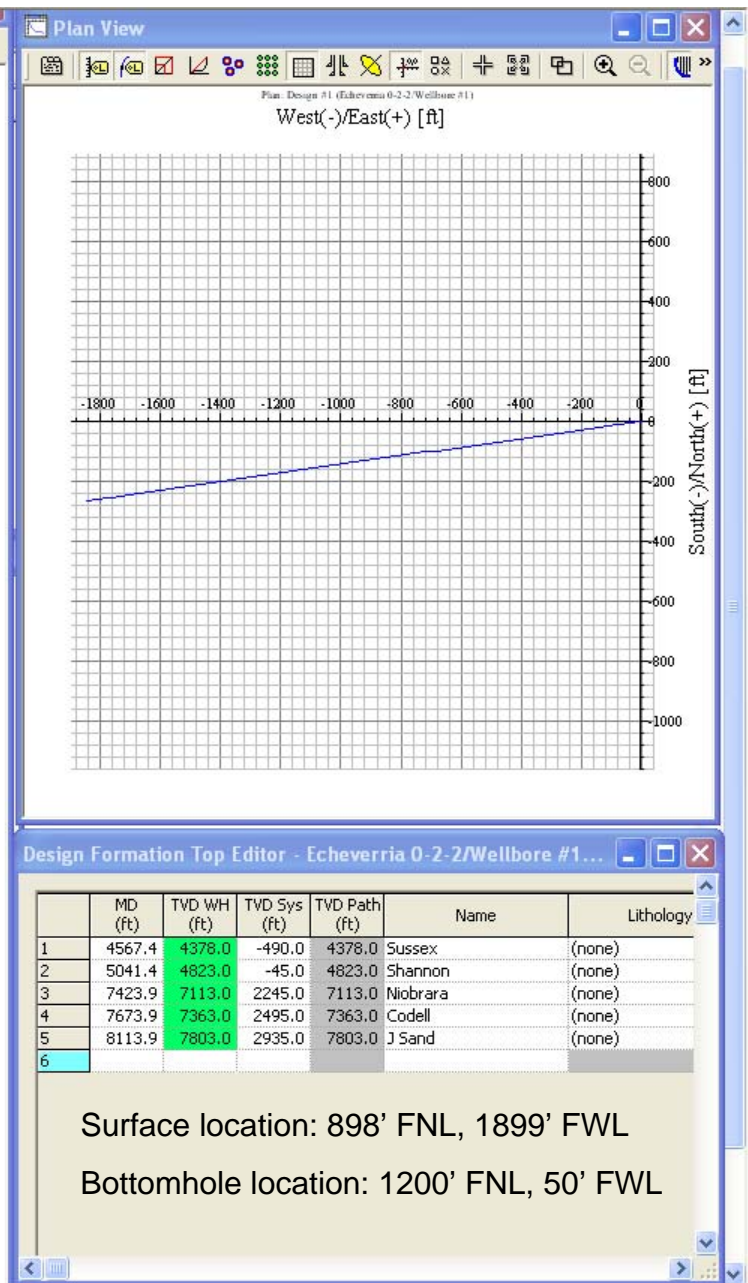
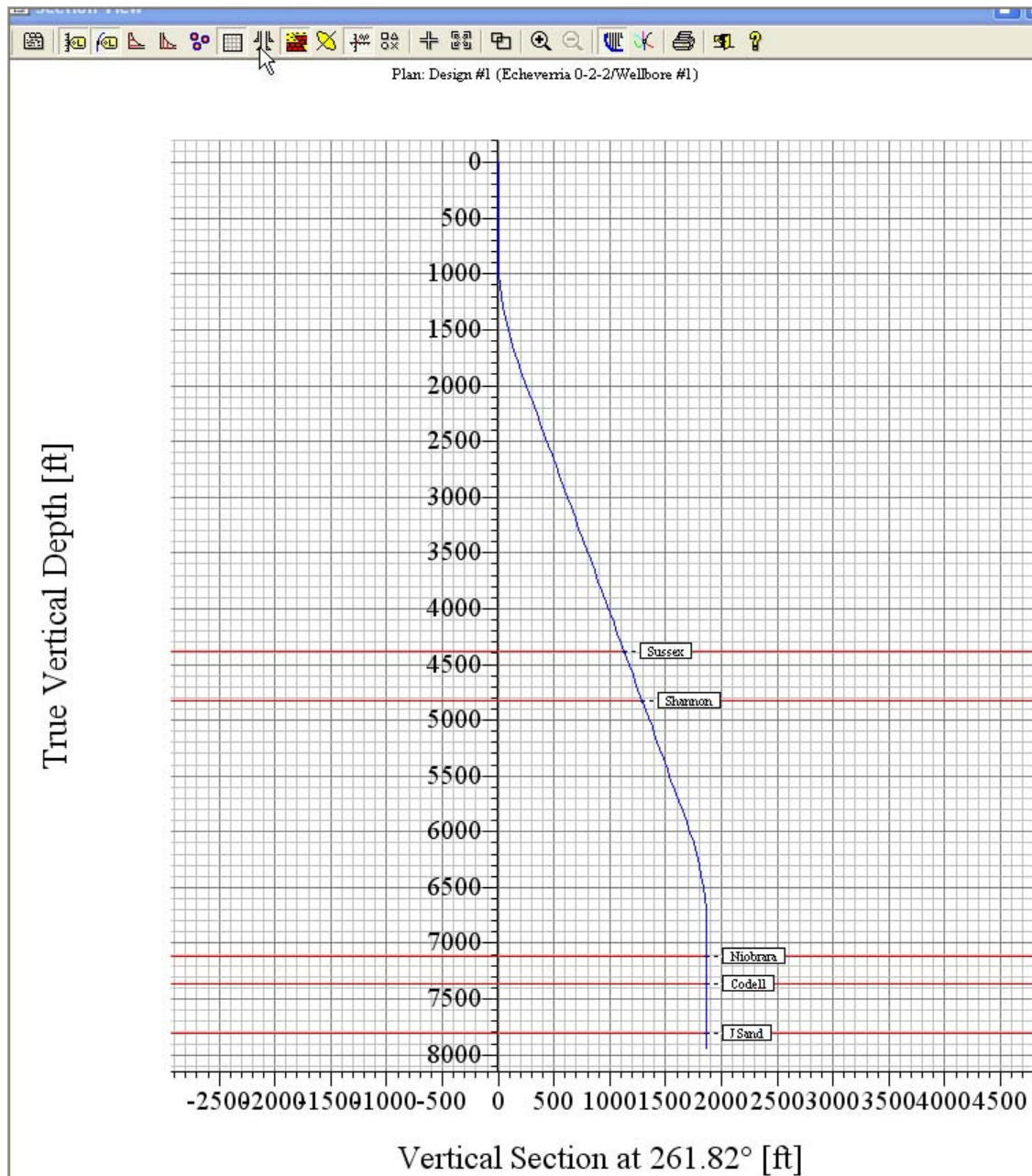
Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude	
5,400.0	20.14	261.82	5,159.6	-200.9	-1,398.1	1,305,922.01	3,177,397.72	40° 10' 17.070 N	104° 51' 54.659 W	
5,500.0	20.14	261.82	5,253.5	-205.8	-1,432.2	1,305,916.87	3,177,363.67	40° 10' 17.022 N	104° 51' 55.098 W	
5,600.0	20.14	261.82	5,347.4	-210.7	-1,466.3	1,305,911.72	3,177,329.62	40° 10' 16.973 N	104° 51' 55.537 W	
5,700.0	20.14	261.82	5,441.3	-215.6	-1,500.4	1,305,906.58	3,177,295.57	40° 10' 16.925 N	104° 51' 55.976 W	
5,800.0	20.14	261.82	5,535.2	-220.5	-1,534.5	1,305,901.44	3,177,261.52	40° 10' 16.876 N	104° 51' 56.415 W	
5,900.0	20.14	261.82	5,629.0	-225.4	-1,568.5	1,305,896.29	3,177,227.47	40° 10' 16.828 N	104° 51' 56.855 W	
6,000.0	20.14	261.82	5,722.9	-230.3	-1,602.6	1,305,891.15	3,177,193.42	40° 10' 16.779 N	104° 51' 57.294 W	
6,100.0	20.14	261.82	5,816.8	-235.2	-1,636.7	1,305,886.00	3,177,159.37	40° 10' 16.731 N	104° 51' 57.733 W	
6,200.0	20.14	261.82	5,910.7	-240.1	-1,670.8	1,305,880.86	3,177,125.32	40° 10' 16.683 N	104° 51' 58.172 W	
6,216.8	20.14	261.82	5,926.5	-240.9	-1,676.5	1,305,880.00	3,177,119.60	40° 10' 16.674 N	104° 51' 58.246 W	
6,300.0	18.48	261.82	6,005.0	-244.8	-1,703.8	1,305,875.88	3,177,092.40	40° 10' 16.636 N	104° 51' 58.597 W	
6,400.0	16.48	261.82	6,100.4	-249.1	-1,733.5	1,305,871.40	3,177,062.70	40° 10' 16.593 N	104° 51' 58.980 W	
6,500.0	14.48	261.82	6,196.7	-252.9	-1,759.9	1,305,867.41	3,177,036.31	40° 10' 16.556 N	104° 51' 59.320 W	
6,600.0	12.48	261.82	6,294.0	-256.2	-1,783.0	1,305,863.93	3,177,013.27	40° 10' 16.523 N	104° 51' 59.617 W	
6,700.0	10.48	261.82	6,392.0	-259.1	-1,802.7	1,305,860.96	3,176,993.59	40° 10' 16.495 N	104° 51' 59.871 W	
6,800.0	8.48	261.82	6,490.6	-261.4	-1,819.0	1,305,858.50	3,176,977.31	40° 10' 16.472 N	104° 52' 0.081 W	
6,900.0	6.48	261.82	6,589.7	-263.2	-1,831.9	1,305,856.55	3,176,964.44	40° 10' 16.454 N	104° 52' 0.247 W	
7,000.0	4.48	261.82	6,689.3	-264.6	-1,841.3	1,305,855.13	3,176,955.00	40° 10' 16.440 N	104° 52' 0.368 W	
7,100.0	2.48	261.82	6,789.1	-265.5	-1,847.3	1,305,854.22	3,176,949.00	40° 10' 16.432 N	104° 52' 0.446 W	
7,200.0	0.48	261.82	6,889.1	-265.8	-1,849.9	1,305,853.84	3,176,946.45	40° 10' 16.428 N	104° 52' 0.479 W	
7,223.9	0.00	0.00	6,913.0	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
7,300.0	0.00	0.00	6,989.1	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
7,400.0	0.00	0.00	7,089.1	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
7,500.0	0.00	0.00	7,189.1	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
7,600.0	0.00	0.00	7,289.1	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
7,700.0	0.00	0.00	7,389.1	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
7,800.0	0.00	0.00	7,489.1	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
7,900.0	0.00	0.00	7,589.1	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
8,000.0	0.00	0.00	7,689.1	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
8,100.0	0.00	0.00	7,789.1	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
8,200.0	0.00	0.00	7,889.1	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
8,263.9	0.00	0.00	7,953.0	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	

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										
0-2-2 BHL	0.00	0.00	7,953.0	-265.8	-1,850.0	1,305,853.82	3,176,946.35	40° 10' 16.428 N	104° 52' 0.480 W	
- plan hits target										
- Point										

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,567.4	4,378.0	Sussex		0.00		
5,041.4	4,823.0	Shannon		0.00		
7,423.9	7,113.0	Niobrara		0.00		
7,673.9	7,363.0	Codell		0.00		
8,113.9	7,803.0	J Sand		0.00		

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Database:	EDM	Local Co-ordinate Reference:	Well Echeverria 0-2-2
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 4868.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 4868.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Echeverria 0-2-2	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		



EnCana Oil & Gas (USA) Inc.
Echeverria 0-2-2