

DJ/Paradox/WTX

**Wattenberg
New Drills
McCoy 2-8-5**

Wellbore #1

Plan: Design #1

Standard Planning Report - Geographic

20 May, 2010

EnCana Corporation
Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well McCoy 2-8-5
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 4961.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 4961.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	McCoy 2-8-5	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	McCoy 2-8-5					
Well Position	+N/-S	51,223.0 ft	Northing:	1,303,943.29 ft	Latitude:	40° 9' 58.572 N
	+E/-W	41,489.3 ft	Easting:	3,161,781.56 ft	Longitude:	104° 55' 15.996 W
Position Uncertainty		ft	Wellhead Elevation:	ft	Ground Level:	4,948.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.09	66.89	53,163

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	163.81

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	
700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,876.4	23.53	163.81	1,843.7	-228.7	66.4	2.00	2.00	0.00	163.81	
6,232.3	23.53	163.81	5,837.3	-1,898.7	551.3	0.00	0.00	0.00	0.00	
7,408.7	0.00	0.00	6,981.0	-2,127.4	617.7	2.00	-2.00	0.00	180.00	
8,446.7	0.00	0.00	8,019.0	-2,127.4	617.7	0.00	0.00	0.00	0.00	2-8-5

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Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 4961.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 4961.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	McCoy 2-8-5	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	1,303,943.29	3,161,781.56	40° 9' 58.572 N	104° 55' 15.996 W	
100.0	0.00	0.00	100.0	0.0	0.0	1,303,943.29	3,161,781.56	40° 9' 58.572 N	104° 55' 15.996 W	
200.0	0.00	0.00	200.0	0.0	0.0	1,303,943.29	3,161,781.56	40° 9' 58.572 N	104° 55' 15.996 W	
300.0	0.00	0.00	300.0	0.0	0.0	1,303,943.29	3,161,781.56	40° 9' 58.572 N	104° 55' 15.996 W	
400.0	0.00	0.00	400.0	0.0	0.0	1,303,943.29	3,161,781.56	40° 9' 58.572 N	104° 55' 15.996 W	
500.0	0.00	0.00	500.0	0.0	0.0	1,303,943.29	3,161,781.56	40° 9' 58.572 N	104° 55' 15.996 W	
600.0	0.00	0.00	600.0	0.0	0.0	1,303,943.29	3,161,781.56	40° 9' 58.572 N	104° 55' 15.996 W	
700.0	0.00	0.00	700.0	0.0	0.0	1,303,943.29	3,161,781.56	40° 9' 58.572 N	104° 55' 15.996 W	
800.0	2.00	163.81	800.0	-1.7	0.5	1,303,941.62	3,161,782.06	40° 9' 58.555 N	104° 55' 15.990 W	
900.0	4.00	163.81	899.8	-6.7	1.9	1,303,936.60	3,161,783.55	40° 9' 58.506 N	104° 55' 15.971 W	
1,000.0	6.00	163.81	999.5	-15.1	4.4	1,303,928.25	3,161,786.03	40° 9' 58.423 N	104° 55' 15.940 W	
1,100.0	8.00	163.81	1,098.7	-26.8	7.8	1,303,916.57	3,161,789.51	40° 9' 58.307 N	104° 55' 15.896 W	
1,200.0	10.00	163.81	1,197.5	-41.8	12.1	1,303,901.57	3,161,793.97	40° 9' 58.159 N	104° 55' 15.840 W	
1,300.0	12.00	163.81	1,295.6	-60.1	17.5	1,303,883.28	3,161,799.41	40° 9' 57.978 N	104° 55' 15.771 W	
1,400.0	14.00	163.81	1,393.1	-81.7	23.7	1,303,861.72	3,161,805.82	40° 9' 57.764 N	104° 55' 15.690 W	
1,500.0	16.00	163.81	1,489.6	-106.6	30.9	1,303,836.92	3,161,813.20	40° 9' 57.519 N	104° 55' 15.597 W	
1,600.0	18.00	163.81	1,585.3	-134.7	39.1	1,303,808.90	3,161,821.53	40° 9' 57.241 N	104° 55' 15.492 W	
1,700.0	20.00	163.81	1,679.8	-165.9	48.2	1,303,777.69	3,161,830.81	40° 9' 56.932 N	104° 55' 15.375 W	
1,800.0	22.00	163.81	1,773.2	-200.3	58.2	1,303,743.34	3,161,841.03	40° 9' 56.592 N	104° 55' 15.247 W	
1,876.4	23.53	163.81	1,843.7	-228.7	66.4	1,303,715.00	3,161,849.46	40° 9' 56.311 N	104° 55' 15.141 W	
1,900.0	23.53	163.81	1,865.3	-237.8	69.0	1,303,705.98	3,161,852.14	40° 9' 56.222 N	104° 55' 15.107 W	
2,000.0	23.53	163.81	1,956.9	-276.1	80.2	1,303,667.72	3,161,863.53	40° 9' 55.843 N	104° 55' 14.963 W	
2,100.0	23.53	163.81	2,048.6	-314.4	91.3	1,303,629.45	3,161,874.91	40° 9' 55.464 N	104° 55' 14.820 W	
2,200.0	23.53	163.81	2,140.3	-352.8	102.4	1,303,591.19	3,161,886.29	40° 9' 55.086 N	104° 55' 14.677 W	
2,300.0	23.53	163.81	2,232.0	-391.1	113.6	1,303,552.92	3,161,897.67	40° 9' 54.707 N	104° 55' 14.533 W	
2,400.0	23.53	163.81	2,323.7	-429.5	124.7	1,303,514.66	3,161,909.05	40° 9' 54.328 N	104° 55' 14.390 W	
2,500.0	23.53	163.81	2,415.4	-467.8	135.8	1,303,476.40	3,161,920.43	40° 9' 53.949 N	104° 55' 14.246 W	
2,600.0	23.53	163.81	2,507.1	-506.1	147.0	1,303,438.13	3,161,931.81	40° 9' 53.570 N	104° 55' 14.103 W	
2,700.0	23.53	163.81	2,598.7	-544.5	158.1	1,303,399.87	3,161,943.19	40° 9' 53.191 N	104° 55' 13.960 W	
2,800.0	23.53	163.81	2,690.4	-582.8	169.2	1,303,361.60	3,161,954.58	40° 9' 52.812 N	104° 55' 13.816 W	
2,900.0	23.53	163.81	2,782.1	-621.1	180.3	1,303,323.34	3,161,965.96	40° 9' 52.433 N	104° 55' 13.673 W	
3,000.0	23.53	163.81	2,873.8	-659.5	191.5	1,303,285.08	3,161,977.34	40° 9' 52.055 N	104° 55' 13.530 W	
3,100.0	23.53	163.81	2,965.5	-697.8	202.6	1,303,246.81	3,161,988.72	40° 9' 51.676 N	104° 55' 13.386 W	
3,200.0	23.53	163.81	3,057.2	-736.2	213.7	1,303,208.55	3,162,000.10	40° 9' 51.297 N	104° 55' 13.243 W	
3,300.0	23.53	163.81	3,148.9	-774.5	224.9	1,303,170.28	3,162,011.48	40° 9' 50.918 N	104° 55' 13.099 W	
3,400.0	23.53	163.81	3,240.5	-812.8	236.0	1,303,132.02	3,162,022.86	40° 9' 50.539 N	104° 55' 12.956 W	
3,500.0	23.53	163.81	3,332.2	-851.2	247.1	1,303,093.76	3,162,034.24	40° 9' 50.160 N	104° 55' 12.813 W	
3,600.0	23.53	163.81	3,423.9	-889.5	258.3	1,303,055.49	3,162,045.63	40° 9' 49.781 N	104° 55' 12.669 W	
3,700.0	23.53	163.81	3,515.6	-927.8	269.4	1,303,017.23	3,162,057.01	40° 9' 49.403 N	104° 55' 12.526 W	
3,800.0	23.53	163.81	3,607.3	-966.2	280.5	1,302,978.96	3,162,068.39	40° 9' 49.024 N	104° 55' 12.383 W	
3,900.0	23.53	163.81	3,699.0	-1,004.5	291.7	1,302,940.70	3,162,079.77	40° 9' 48.645 N	104° 55' 12.239 W	
4,000.0	23.53	163.81	3,790.7	-1,042.9	302.8	1,302,902.44	3,162,091.15	40° 9' 48.266 N	104° 55' 12.096 W	
4,100.0	23.53	163.81	3,882.3	-1,081.2	313.9	1,302,864.17	3,162,102.53	40° 9' 47.887 N	104° 55' 11.952 W	
4,200.0	23.53	163.81	3,974.0	-1,119.5	325.1	1,302,825.91	3,162,113.91	40° 9' 47.508 N	104° 55' 11.809 W	
4,300.0	23.53	163.81	4,065.7	-1,157.9	336.2	1,302,787.64	3,162,125.29	40° 9' 47.129 N	104° 55' 11.666 W	
4,400.0	23.53	163.81	4,157.4	-1,196.2	347.3	1,302,749.38	3,162,136.68	40° 9' 46.750 N	104° 55' 11.522 W	
4,500.0	23.53	163.81	4,249.1	-1,234.5	358.4	1,302,711.11	3,162,148.06	40° 9' 46.372 N	104° 55' 11.379 W	
4,600.0	23.53	163.81	4,340.8	-1,272.9	369.6	1,302,672.85	3,162,159.44	40° 9' 45.993 N	104° 55' 11.236 W	
4,700.0	23.53	163.81	4,432.5	-1,311.2	380.7	1,302,634.59	3,162,170.82	40° 9' 45.614 N	104° 55' 11.092 W	
4,800.0	23.53	163.81	4,524.1	-1,349.6	391.8	1,302,596.32	3,162,182.20	40° 9' 45.235 N	104° 55' 10.949 W	
4,900.0	23.53	163.81	4,615.8	-1,387.9	403.0	1,302,558.06	3,162,193.58	40° 9' 44.856 N	104° 55' 10.805 W	
5,000.0	23.53	163.81	4,707.5	-1,426.2	414.1	1,302,519.79	3,162,204.96	40° 9' 44.477 N	104° 55' 10.662 W	
5,100.0	23.53	163.81	4,799.2	-1,464.6	425.2	1,302,481.53	3,162,216.35	40° 9' 44.098 N	104° 55' 10.519 W	
5,200.0	23.53	163.81	4,890.9	-1,502.9	436.4	1,302,443.27	3,162,227.73	40° 9' 43.719 N	104° 55' 10.375 W	
5,300.0	23.53	163.81	4,982.6	-1,541.2	447.5	1,302,405.00	3,162,239.11	40° 9' 43.341 N	104° 55' 10.232 W	

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Project:	Wattenberg	MD Reference:	WELL @ 4961.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	McCoy 2-8-5	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	23.53	163.81	5,074.3	-1,579.6	458.6	1,302,366.74	3,162,250.49	40° 9' 42.962 N	104° 55' 10.089 W	
5,500.0	23.53	163.81	5,166.0	-1,617.9	469.8	1,302,328.47	3,162,261.87	40° 9' 42.583 N	104° 55' 9.945 W	
5,600.0	23.53	163.81	5,257.6	-1,656.3	480.9	1,302,290.21	3,162,273.25	40° 9' 42.204 N	104° 55' 9.802 W	
5,700.0	23.53	163.81	5,349.3	-1,694.6	492.0	1,302,251.95	3,162,284.63	40° 9' 41.825 N	104° 55' 9.658 W	
5,800.0	23.53	163.81	5,441.0	-1,732.9	503.2	1,302,213.68	3,162,296.01	40° 9' 41.446 N	104° 55' 9.515 W	
5,900.0	23.53	163.81	5,532.7	-1,771.3	514.3	1,302,175.42	3,162,307.40	40° 9' 41.067 N	104° 55' 9.372 W	
6,000.0	23.53	163.81	5,624.4	-1,809.6	525.4	1,302,137.15	3,162,318.78	40° 9' 40.688 N	104° 55' 9.228 W	
6,100.0	23.53	163.81	5,716.1	-1,847.9	536.5	1,302,098.89	3,162,330.16	40° 9' 40.310 N	104° 55' 9.085 W	
6,200.0	23.53	163.81	5,807.8	-1,886.3	547.7	1,302,060.63	3,162,341.54	40° 9' 39.931 N	104° 55' 8.942 W	
6,232.3	23.53	163.81	5,837.3	-1,898.7	551.3	1,302,048.27	3,162,345.21	40° 9' 39.808 N	104° 55' 8.895 W	
6,300.0	22.17	163.81	5,899.8	-1,923.9	558.6	1,302,023.07	3,162,352.71	40° 9' 39.559 N	104° 55' 8.801 W	
6,400.0	20.17	163.81	5,993.0	-1,958.6	568.7	1,301,988.45	3,162,363.01	40° 9' 39.216 N	104° 55' 8.671 W	
6,500.0	18.17	163.81	6,087.4	-1,990.1	577.8	1,301,956.97	3,162,372.37	40° 9' 38.904 N	104° 55' 8.553 W	
6,600.0	16.17	163.81	6,183.0	-2,018.5	586.1	1,301,928.67	3,162,380.79	40° 9' 38.624 N	104° 55' 8.447 W	
6,700.0	14.17	163.81	6,279.5	-2,043.6	593.4	1,301,903.58	3,162,388.25	40° 9' 38.376 N	104° 55' 8.353 W	
6,800.0	12.17	163.81	6,376.9	-2,065.5	599.7	1,301,881.74	3,162,394.75	40° 9' 38.159 N	104° 55' 8.271 W	
6,900.0	10.17	163.81	6,475.0	-2,084.1	605.1	1,301,863.16	3,162,400.27	40° 9' 37.976 N	104° 55' 8.202 W	
7,000.0	8.17	163.81	6,573.7	-2,099.4	609.6	1,301,847.88	3,162,404.82	40° 9' 37.824 N	104° 55' 8.145 W	
7,100.0	6.17	163.81	6,672.9	-2,111.4	613.1	1,301,835.91	3,162,408.38	40° 9' 37.706 N	104° 55' 8.100 W	
7,200.0	4.17	163.81	6,772.5	-2,120.1	615.6	1,301,827.27	3,162,410.95	40° 9' 37.620 N	104° 55' 8.067 W	
7,300.0	2.17	163.81	6,872.3	-2,125.4	617.1	1,301,821.96	3,162,412.53	40° 9' 37.568 N	104° 55' 8.047 W	
7,400.0	0.17	163.81	6,972.3	-2,127.4	617.7	1,301,819.99	3,162,413.11	40° 9' 37.548 N	104° 55' 8.040 W	
7,408.7	0.00	0.00	6,981.0	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
7,500.0	0.00	0.00	7,072.3	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
7,600.0	0.00	0.00	7,172.3	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
7,700.0	0.00	0.00	7,272.3	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
7,800.0	0.00	0.00	7,372.3	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
7,900.0	0.00	0.00	7,472.3	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
8,000.0	0.00	0.00	7,572.3	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
8,100.0	0.00	0.00	7,672.3	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
8,200.0	0.00	0.00	7,772.3	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
8,300.0	0.00	0.00	7,872.3	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
8,400.0	0.00	0.00	7,972.3	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
8,446.7	0.00	0.00	8,019.0	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	

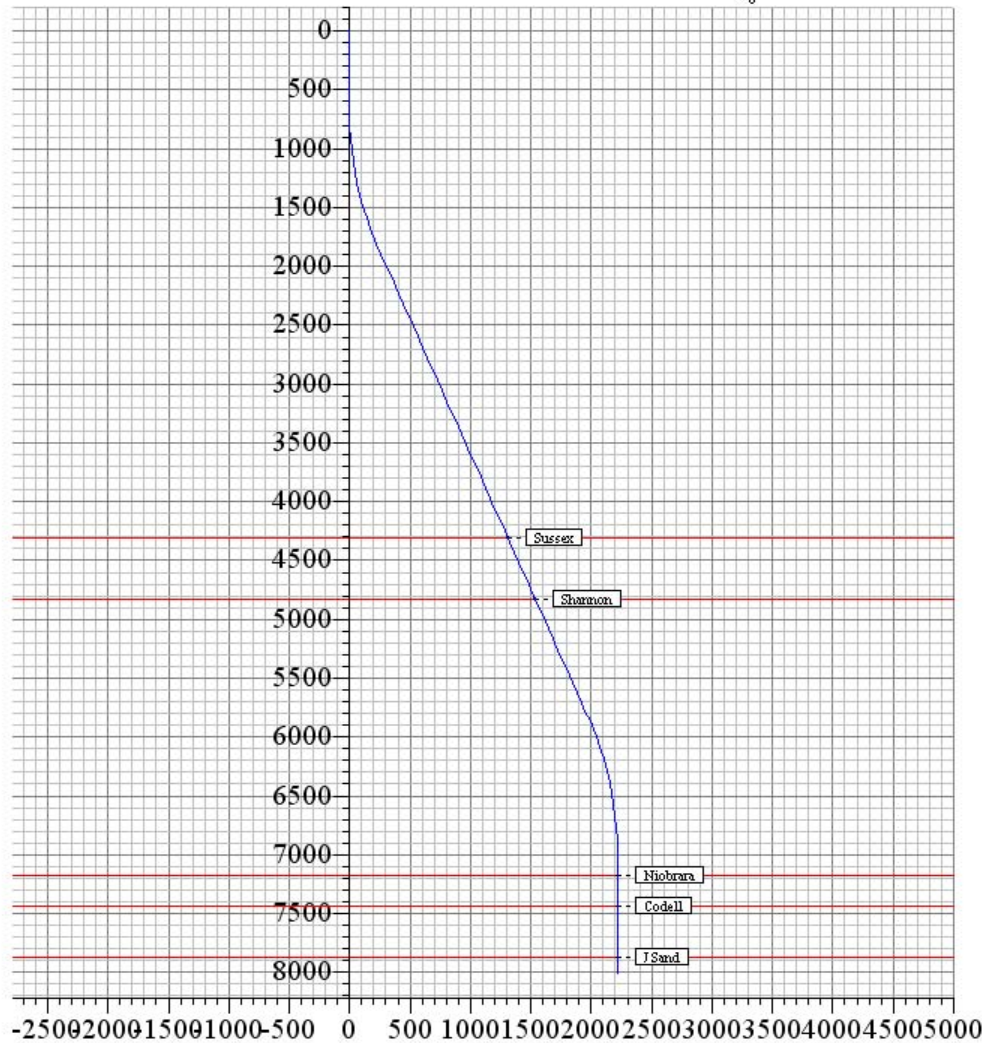
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
2-8-5 - hit/miss target - Shape	0.00	0.00	8,019.0	-2,127.4	617.7	1,301,819.98	3,162,413.12	40° 9' 37.548 N	104° 55' 8.040 W	
- plan hits target										
- Point										

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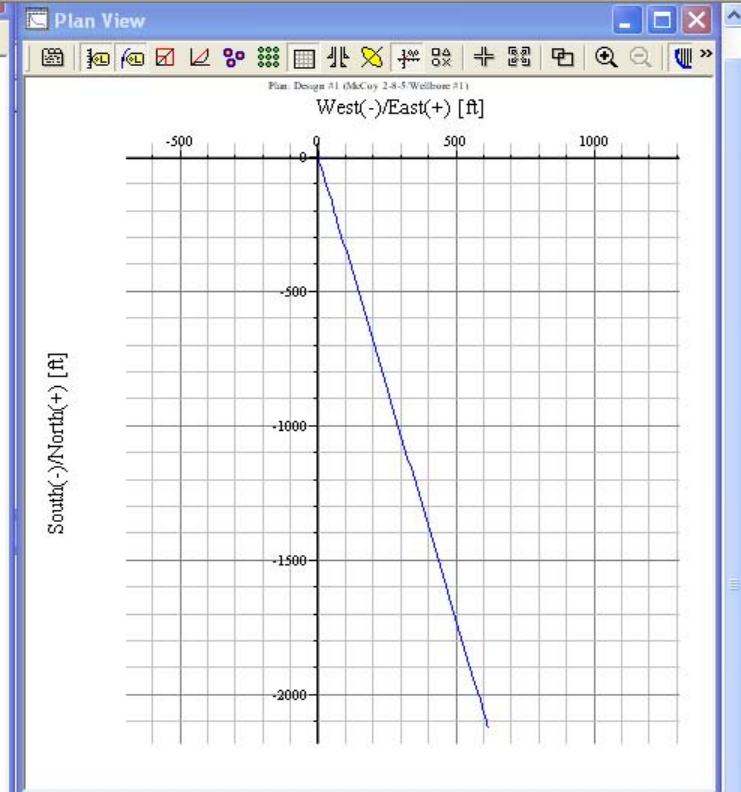
Database:	EDM	Local Co-ordinate Reference:	Well McCoy 2-8-5
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 4961.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 4961.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	McCoy 2-8-5	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,564.3	4,308.0	Sussex		0.00		
5,131.4	4,828.0	Shannon		0.00		
7,608.7	7,181.0	Niobrara		0.00		
7,865.7	7,438.0	Codell		0.00		
8,296.7	7,869.0	J Sand		0.00		

True Vertical Depth [ft]



Vertical Section at 163.81° [ft]



Design Formation Top Editor - McCoy 2-8-5/Wellbore #1/Desi...

	MD (ft)	TVD WH (ft)	TVD Sys (ft)	TVD Path (ft)	Name	Lithology
1	4564.3	4308.0	-653.0	4308.0	Sussex	(none)
2	5131.4	4828.0	-133.0	4828.0	Shannon	(none)
3	7608.7	7181.0	2220.0	7181.0	Niobrara	(none)
4	7865.7	7438.0	2477.0	7438.0	Codell	(none)
5	8296.7	7869.0	2908.0	7869.0	J Sand	(none)
6						

Surface location: 2174' FSL, 686' FWL
 Bottomhole location: 50' FSL, 1350' FEL