

EnCana Corporation

Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Deason 4-4-36
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 5029.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 5029.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Deason 4-4-36	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Deason 4-4-36		

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: From: Position Uncertainty:		Northing:	1,278,589.08 ft	Latitude:	40° 5' 49.848 N
	Lat/Long	Easting:	3,130,247.44 ft	Longitude:	105° 2' 3.912 W
	ft	Slot Radius:	in	Grid Convergence:	0.30 °

Well	Deason 4-4-36					
Well Position	+N/-S	1,054.7 ft	Northing:	1,279,598.67 ft	Latitude:	40° 6' 0.288 N
	+E/-W	-9,240.3 ft	Easting:	3,121,002.12 ft	Longitude:	105° 4' 2.820 W
Position Uncertainty		ft	Wellhead Elevation:	ft	Ground Level:	5,016.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.16	66.81	53,112

Design	Deason 4-4-36				
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	158.11	

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	
1,713.7	18.27	158.11	1,698.3	-134.1	53.9	2.00	2.00	0.00	158.11	
6,463.7	18.27	158.11	6,208.7	-1,516.1	609.2	0.00	0.00	0.00	0.00	
7,377.4	0.00	0.00	7,107.0	-1,650.2	663.0	2.00	-2.00	0.00	180.00	
8,477.4	0.00	0.00	8,207.0	-1,650.2	663.0	0.00	0.00	0.00	0.00	Deason 4-4-36

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Wellbore:	Wellbore #1		
Design:	Deason 4-4-36		

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	1,279,598.67	3,121,002.12	40° 6' 0.288 N	105° 4' 2.820 W	
750.0	0.00	0.00	750.0	0.0	0.0	1,279,598.67	3,121,002.12	40° 6' 0.288 N	105° 4' 2.820 W	
Surface										
800.0	0.00	0.00	800.0	0.0	0.0	1,279,598.67	3,121,002.12	40° 6' 0.288 N	105° 4' 2.820 W	
1,713.7	18.27	158.11	1,698.3	-134.1	53.9	1,279,464.87	3,121,056.64	40° 5' 58.963 N	105° 4' 2.127 W	
4,420.9	18.27	158.11	4,269.0	-921.8	370.4	1,278,678.73	3,121,376.97	40° 5' 51.179 N	105° 3' 58.054 W	
Sussex										
4,994.9	18.27	158.11	4,814.0	-1,088.7	437.5	1,278,512.07	3,121,444.89	40° 5' 49.528 N	105° 3' 57.191 W	
Shannon										
6,463.7	18.27	158.11	6,208.7	-1,516.1	609.2	1,278,085.56	3,121,618.68	40° 5' 45.305 N	105° 3' 54.981 W	
7,377.4	0.00	0.00	7,107.0	-1,650.2	663.0	1,277,951.76	3,121,673.20	40° 5' 43.980 N	105° 3' 54.288 W	
7,574.4	0.00	0.00	7,304.0	-1,650.2	663.0	1,277,951.76	3,121,673.20	40° 5' 43.980 N	105° 3' 54.288 W	
Niobrara										
7,895.4	0.00	0.00	7,625.0	-1,650.2	663.0	1,277,951.76	3,121,673.20	40° 5' 43.980 N	105° 3' 54.288 W	
Codell										
8,327.4	0.00	0.00	8,057.0	-1,650.2	663.0	1,277,951.76	3,121,673.20	40° 5' 43.980 N	105° 3' 54.288 W	
J Sand										
8,374.4	0.00	0.00	8,104.0	-1,650.2	663.0	1,277,951.76	3,121,673.20	40° 5' 43.980 N	105° 3' 54.288 W	
A Marker										
8,477.4	0.00	0.00	8,207.0	-1,650.2	663.0	1,277,951.76	3,121,673.20	40° 5' 43.980 N	105° 3' 54.288 W	
Production - Deason 4-4-36										

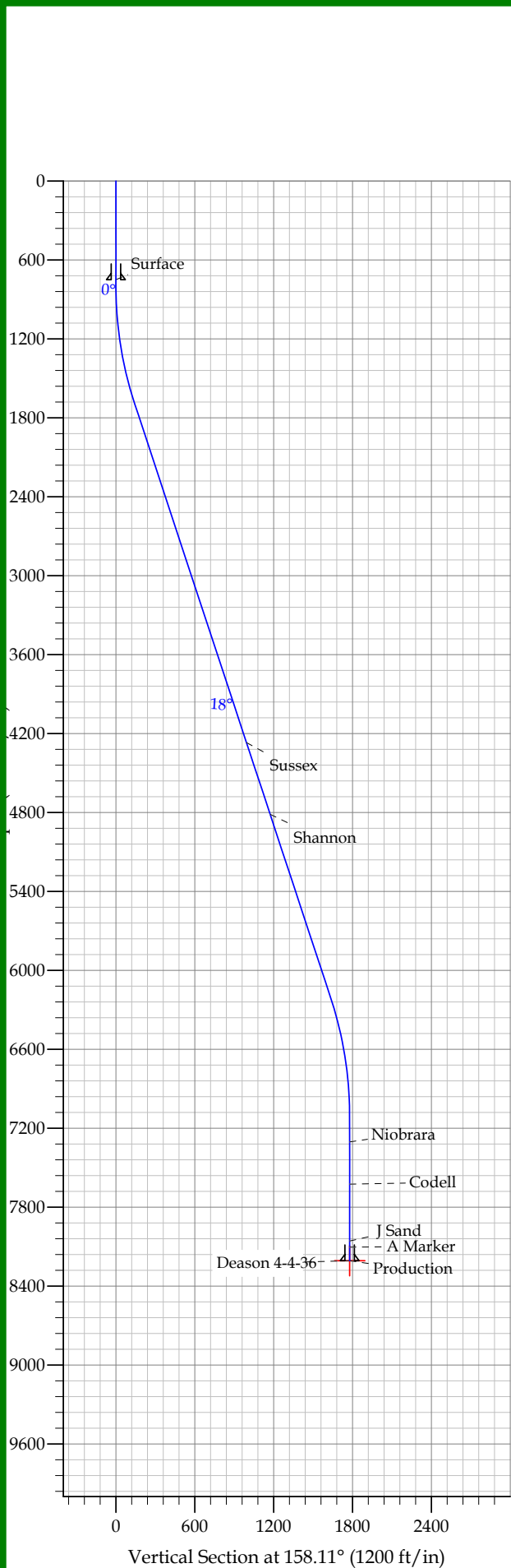
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
Deason 4-4-36	0.00	0.00	8,207.0	-1,650.2	663.0	1,277,951.76	3,121,673.20	40° 5' 43.980 N	105° 3' 54.288 W	
- plan hits target										
- Point										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
750.0	750.0	Surface	8.625	12.250	
8,477.4	8,207.0	Production	4.500	7.785	

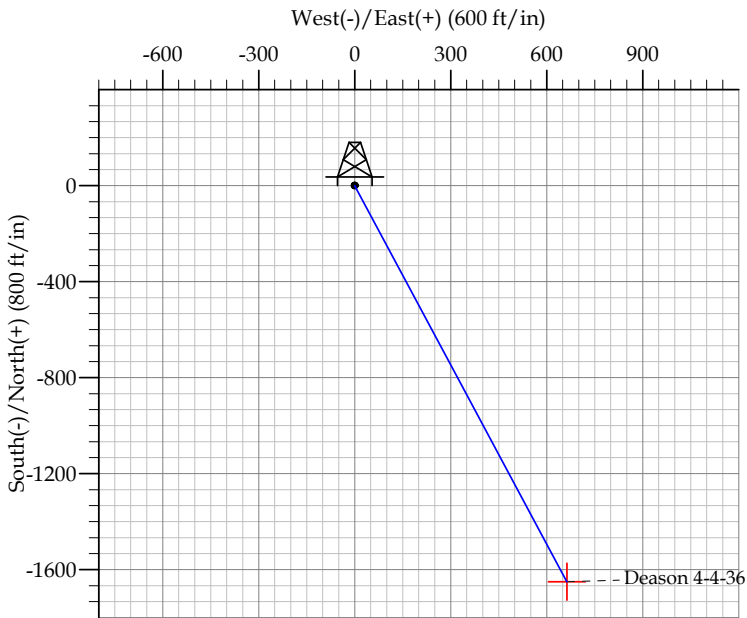
Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,420.9	4,269.0	Sussex		0.00		
4,994.9	4,814.0	Shannon		0.00		
7,574.4	7,304.0	Niobrara		0.00		
7,895.4	7,625.0	Codell		0.00		
8,327.4	8,057.0	J Sand		0.00		
8,374.4	8,104.0	A Marker		0.00		

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Site:	New Drills	North Reference:	True
Well:	Deason 4-4-36	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Deason 4-4-36		



REFERENCE INFORMATION											
Co-ordinate (N/E) Reference: Well Deason 4-4-36, True North											
Vertical (TVD) Reference: WELL @ 5029.0ft (Original Well Elev)											
Section (VS) Reference: Slot - (0.0N, 0.0E)											
Measured Depth Reference: WELL @ 5029.0ft (Original Well Elev)											
Calculation Method:											
WELL DETAILS: Deason 4-4-36											
+N/-S		+E/-W		Northing		Ground Level: Easting		5016.0 Latitude		Longitude	Slot
SECTION DETAILS											
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target	
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2	800.0	0.00	0.00	800.0	0.0	0.0	0.00	0.00	0.0		
3	1713.7	18.27	158.11	1698.3	-134.1	53.9	2.00	158.11	144.5		
4	6463.7	18.27	158.11	6208.7	-1516.1	609.2	0.00	0.00	1633.9		
5	7377.4	0.00	0.00	7107.0	-1650.2	663.0	2.00	180.00	1778.4		
6	8477.4	0.00	0.00	8207.0	-1650.2	663.0	0.00	0.00	1778.4	Deason 4-4-36	



FORMATION TOP DETAILS			
TVDPath	MDPath	Formation	
4269.0	4420.9	Sussex	
4814.0	4994.9	Shannon	
7304.0	7574.4	Niobrara	
7625.0	7895.4	Codell	
8057.0	8327.4	J Sand	
8104.0	8374.4	A Marker	
CASING DETAILS			
TVD	MD	Name	Size
750.0	750.0	Surface	8.625
8207.0	8477.4	Production	4.500