

EnCana Corporation

Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Banjo 22-25
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 5186.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 5186.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Banjo 22-25	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Banjo 22-25		

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

Well	Banjo 22-25					
Well Position	+N-S	-26,120.6 ft	Northing:	1,252,421.51 ft	Latitude:	40° 1' 31.728 N
	+E-W	-9,746.7 ft	Easting:	3,120,627.80 ft	Longitude:	105° 4' 9.336 W
Position Uncertainty		ft	Wellhead Elevation:	ft	Ground Level:	5,173.0ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.15	66.75	53,071

Design	Banjo 22-25				
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	136.59	

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	
750.0	0.00	0.00	750.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,189.6	8.79	136.59	1,187.8	-24.5	23.1	2.00	2.00	0.00	136.59	
7,015.3	8.79	136.59	6,945.2	-671.3	635.0	0.00	0.00	0.00	0.00	
7,454.9	0.00	0.00	7,383.0	-695.7	658.1	2.00	-2.00	0.00	180.00	
8,654.9	0.00	0.00	8,583.0	-695.7	658.1	0.00	0.00	0.00	0.00	Banjo 22-25

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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	1,252,421.51	3,120,627.80	40° 1' 31.728 N	105° 4' 9.336 W	
700.0	0.00	0.00	700.0	0.0	0.0	1,252,421.51	3,120,627.80	40° 1' 31.728 N	105° 4' 9.336 W	
Surface										
750.0	0.00	0.00	750.0	0.0	0.0	1,252,421.51	3,120,627.80	40° 1' 31.728 N	105° 4' 9.336 W	
1,189.6	8.79	136.59	1,187.8	-24.5	23.1	1,252,397.17	3,120,651.05	40° 1' 31.486 N	105° 4' 9.039 W	
4,761.7	8.79	136.59	4,718.0	-421.1	398.3	1,252,002.38	3,121,028.15	40° 1' 27.567 N	105° 4' 4.216 W	
Sussex										
5,353.6	8.79	136.59	5,303.0	-486.8	460.5	1,251,936.95	3,121,090.64	40° 1' 26.917 N	105° 4' 3.417 W	
Shannon										
7,015.3	8.79	136.59	6,945.2	-671.3	635.0	1,251,753.31	3,121,266.06	40° 1' 25.094 N	105° 4' 1.173 W	
7,454.9	0.00	0.00	7,383.0	-695.7	658.1	1,251,728.97	3,121,289.30	40° 1' 24.852 N	105° 4' 0.876 W	
7,644.9	0.00	0.00	7,573.0	-695.7	658.1	1,251,728.97	3,121,289.30	40° 1' 24.852 N	105° 4' 0.876 W	
Niobrara										
8,075.9	0.00	0.00	8,004.0	-695.7	658.1	1,251,728.97	3,121,289.30	40° 1' 24.852 N	105° 4' 0.876 W	
Codell										
8,504.9	0.00	0.00	8,433.0	-695.7	658.1	1,251,728.97	3,121,289.30	40° 1' 24.852 N	105° 4' 0.876 W	
J Sand										
8,555.9	0.00	0.00	8,484.0	-695.7	658.1	1,251,728.97	3,121,289.30	40° 1' 24.852 N	105° 4' 0.876 W	
A Marker										
8,654.9	0.00	0.00	8,583.0	-695.7	658.1	1,251,728.97	3,121,289.30	40° 1' 24.852 N	105° 4' 0.876 W	
Production - Banjo 22-25										

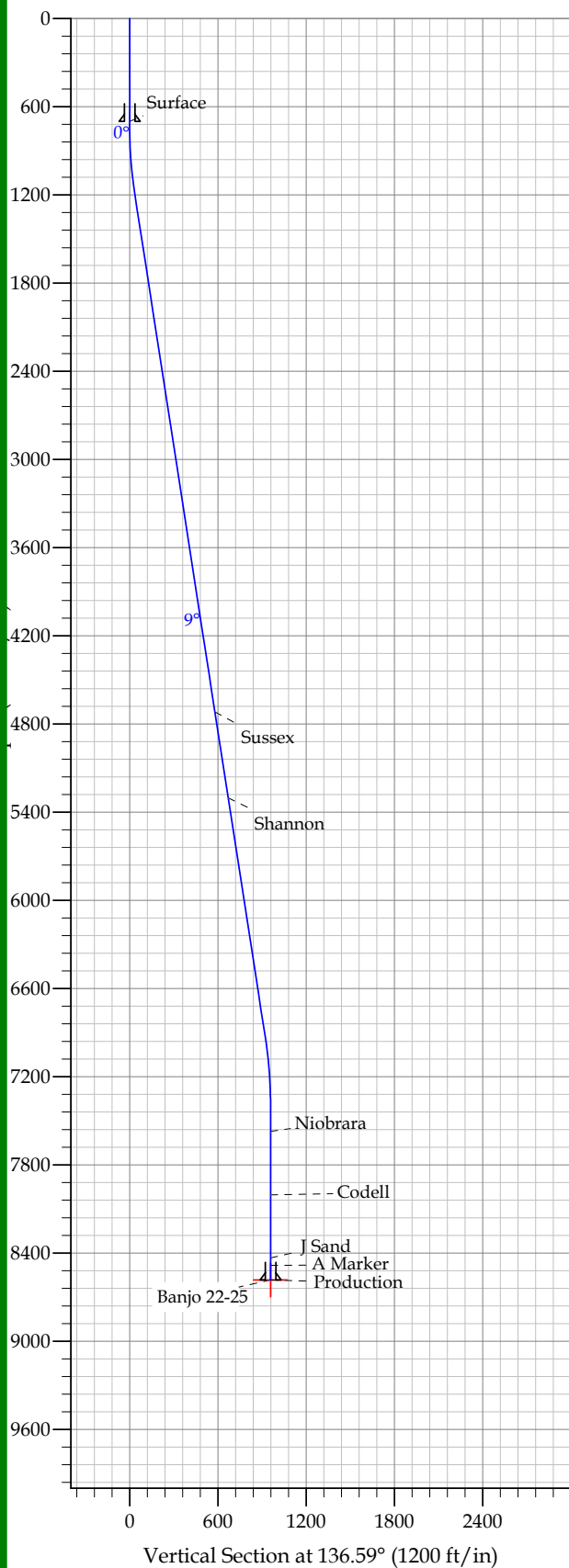
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
Banjo 22-25	0.00	0.00	8,583.0	-695.7	658.1	1,251,728.97	3,121,289.30	40° 1' 24.852 N	105° 4' 0.876 W	
- plan hits target										
- Point										

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
700.0	700.0	Surface	8.625	12.250	
8,654.9	8,583.0	Production	4.500	7.785	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,761.7	4,718.0	Sussex		0.00		
5,353.6	5,303.0	Shannon		0.00		
7,644.9	7,573.0	Niobrara		0.00		
8,075.9	8,004.0	Codell		0.00		
8,504.9	8,433.0	J Sand		0.00		
8,555.9	8,484.0	A Marker		0.00		

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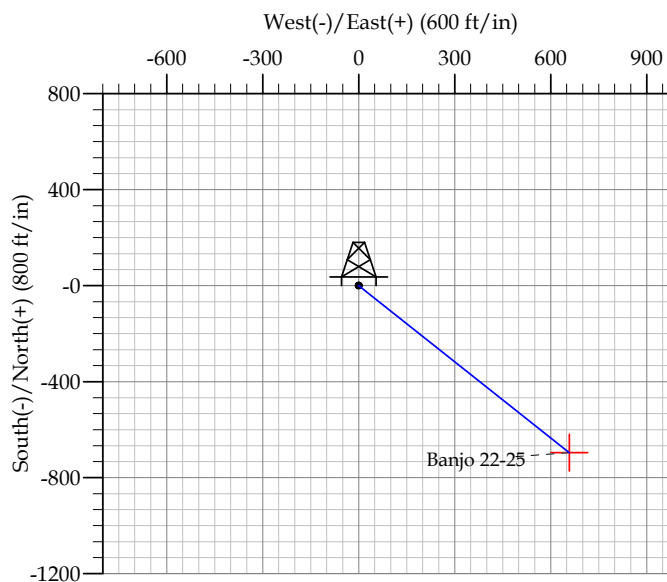
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Wellbore:	Wellbore #1		
Design:	Banjo 22-25		



REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well Banjo 22-25, True North
Vertical (TVD) Reference:	WELL @ 5186.0ft (Original Well Elev)
Section (VS) Reference:	Slot - (0.0N, 0.0E)
Measured Depth Reference:	WELL @ 5186.0ft (Original Well Elev)
Calculation Method:	

WELL DETAILS: Banjo 22-25

Ground Level: 5173.0										
+N/-S	+E/-W	Northing			Easting		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	750.0	0.00	0.00	750.0	0.0	0.0	0.00	0.00	0.0	
3	1189.6	8.79	136.59	1187.8	-24.5	23.1	2.00	136.59	33.7	
4	7015.3	8.79	136.59	6945.2	-671.3	635.0	0.00	0.00	924.1	
5	7454.9	0.00	0.00	7383.0	-695.7	658.1	2.00	180.00	957.7	
6	8654.9	0.00	0.00	8583.0	-695.7	658.1	0.00	0.00	957.7	Banjo 22-25



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4718.0	4761.7	Sussex
5303.0	5353.6	Shannon
7573.0	7644.9	Niobrara
8004.0	8075.9	Codell
8433.0	8504.9	J Sand
8484.0	8555.9	A Marker

CASING DETAILS

TVD	MD	Name	Size
700.0	700.0	Surface	8.625
8583.0	8654.9	Production	4.500