REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Woolley 0-6-8, True North
Vertical (TVD) Reference: WELL @ 5072.0ft (Original Well Elev)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: WELL @ 5072.0ft (Original Well Elev)
Calculation Method:

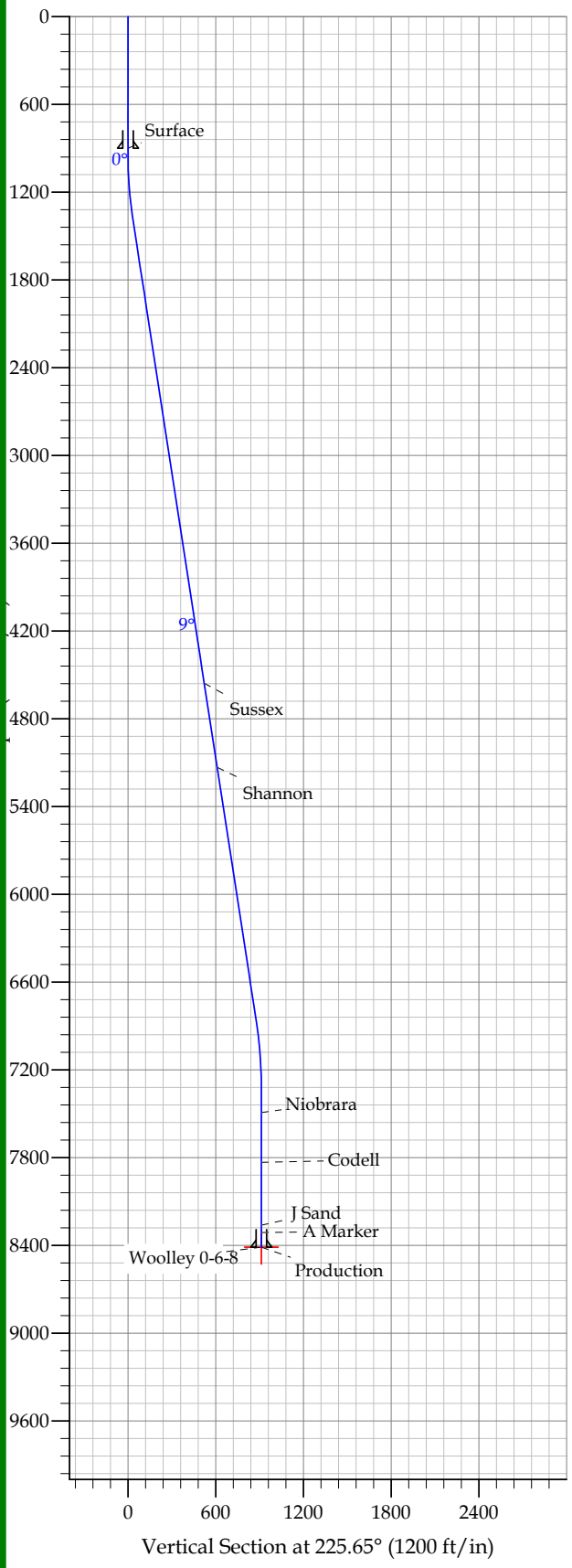
WELL DETAILS: Woolley 0-6-8

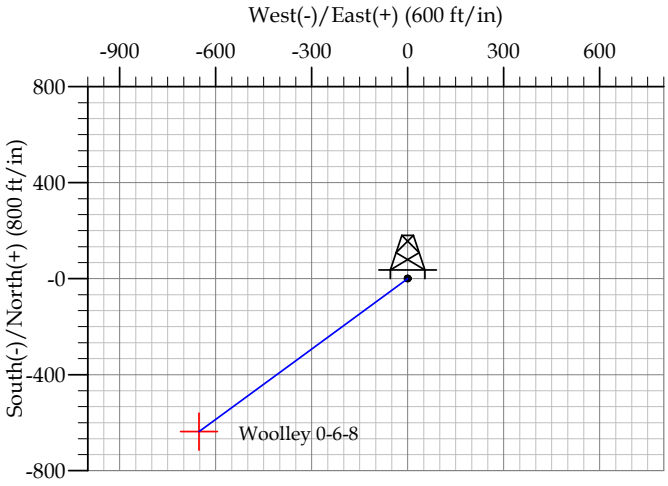
Ground Level: 5059.0

+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	950.0	0.00	0.00	950.0	0.0	0.0	0.00	0.00	0.0	
3	1387.6	8.75	225.65	1385.9	-23.3	-23.9	2.00	225.65	33.4	
4	6942.5	8.75	225.65	6876.1	-614.1	-628.3	0.00	0.00	878.6	
5	7380.1	0.00	0.00	7312.0	-637.5	-652.2	2.00	180.00	912.0	
6	8480.1	0.00	0.00	8412.0	-637.5	-652.2	0.00	0.00	912.0	Woolley 0-6-8





FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4557.0	4596.1	Sussex
5132.0	5177.8	Shannon
7492.0	7560.1	Niobrara
7832.0	7900.1	Codell
8262.0	8330.1	J Sand
8312.0	8380.1	A Marker

CASING DETAILS

TVD	MD	Name	Size
900.0	900.0	Surface	8.625
8412.0	8480.1	Production	4.500

EnCana Corporation

Planning Report - Geographic

Database:	EDM	**Local Co-ordinate Reference:**	Well Woolley 0-6-8
Company:	DJ/Paradox/WTX	**TVD Reference:**	WELL @ 5072.0ft (Original Well Elev)
Project:	Wattenberg	**MD Reference:**	WELL @ 5072.0ft (Original Well Elev)
Site:	New Drills	**North Reference:**	True
Well:	Woolley 0-6-8	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Woolley 0-6-8		

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

Well Woolley 0-6-8

Well Position	**+N/-S**	-12,272.5 ft	**Northing:**	1,266,316.17 ft	**Latitude:**	40° 3' 48.564 N
	+E/-W	-109.1 ft	**Easting:**	3,130,202.72 ft	**Longitude:**	105° 2' 5.316 W
Position Uncertainty		ft	**Wellhead Elevation:**	ft	**Ground Level:**	5,059.0 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.14	66.79	53,096

Design Woolley 0-6-8

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	225.65

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	
950.0	0.00	0.00	950.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,387.6	8.75	225.65	1,385.9	-23.3	-23.9	2.00	2.00	0.00	225.65	
6,942.5	8.75	225.65	6,876.1	-614.1	-628.3	0.00	0.00	0.00	0.00	
7,380.1	0.00	0.00	7,312.0	-637.5	-652.2	2.00	-2.00	0.00	180.00	
8,480.1	0.00	0.00	8,412.0	-637.5	-652.2	0.00	0.00	0.00	0.00	Woolley 0-6-8

Database:	EDM	**Local Co-ordinate Reference:**	Well Woolley 0-6-8
Company:	DJ/Paradox/WTX	**TVD Reference:**	WELL @ 5072.0ft (Original Well Elev)
Project:	Wattenberg	**MD Reference:**	WELL @ 5072.0ft (Original Well Elev)
Site:	New Drills	**North Reference:**	True
Well:	Woolley 0-6-8	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Woolley 0-6-8		

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	1,266,316.17	3,130,202.72	40° 3' 48.564 N	105° 2' 5.316 W
900.0	0.00	0.00	900.0	0.0	0.0	1,266,316.17	3,130,202.72	40° 3' 48.564 N	105° 2' 5.316 W
Surface									
950.0	0.00	0.00	950.0	0.0	0.0	1,266,316.17	3,130,202.72	40° 3' 48.564 N	105° 2' 5.316 W
1,387.6	8.75	225.65	1,385.9	-23.3	-23.9	1,266,292.73	3,130,178.99	40° 3' 48.333 N	105° 2' 5.623 W
4,596.1	8.75	225.65	4,557.0	-364.6	-373.0	1,265,949.64	3,129,831.66	40° 3' 44.961 N	105° 2' 10.113 W
Sussex									
5,177.8	8.75	225.65	5,132.0	-426.5	-436.3	1,265,887.43	3,129,768.68	40° 3' 44.349 N	105° 2' 10.928 W
Shannon									
6,942.5	8.75	225.65	6,876.1	-614.1	-628.3	1,265,698.73	3,129,577.64	40° 3' 42.494 N	105° 2' 13.397 W
7,380.1	0.00	0.00	7,312.0	-637.5	-652.2	1,265,675.29	3,129,553.91	40° 3' 42.264 N	105° 2' 13.704 W
7,560.1	0.00	0.00	7,492.0	-637.5	-652.2	1,265,675.29	3,129,553.91	40° 3' 42.264 N	105° 2' 13.704 W
Niobrara									
7,900.1	0.00	0.00	7,832.0	-637.5	-652.2	1,265,675.29	3,129,553.91	40° 3' 42.264 N	105° 2' 13.704 W
Codell									
8,330.1	0.00	0.00	8,262.0	-637.5	-652.2	1,265,675.29	3,129,553.91	40° 3' 42.264 N	105° 2' 13.704 W
J Sand									
8,380.1	0.00	0.00	8,312.0	-637.5	-652.2	1,265,675.29	3,129,553.91	40° 3' 42.264 N	105° 2' 13.704 W
A Marker									
8,480.1	0.00	0.00	8,412.0	-637.5	-652.2	1,265,675.29	3,129,553.91	40° 3' 42.264 N	105° 2' 13.704 W
Production - Woolley 0-6-8									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Woolley 0-6-8 - plan hits target - Point	0.00	0.00	8,412.0	-637.5	-652.2	1,265,675.29	3,129,553.91	40° 3' 42.264 N	105° 2' 13.704 W

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)
900.0	900.0	Surface	8.625	12.250
8,480.1	8,412.0	Production	4.500	7.785

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,596.1	4,557.0	Sussex		0.00	
5,177.8	5,132.0	Shannon		0.00	
7,560.1	7,492.0	Niobrara		0.00	
7,900.1	7,832.0	Codell		0.00	
8,330.1	8,262.0	J Sand		0.00	
8,380.1	8,312.0	A Marker		0.00	

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Design:	Woolley 0-6-8		