

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Peppler Farm 41-4, True North
 Vertical (TVD) Reference: WELL @ 5084.0ft (Original Well Elev)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: WELL @ 5084.0ft (Original Well Elev)
 Calculation Method:

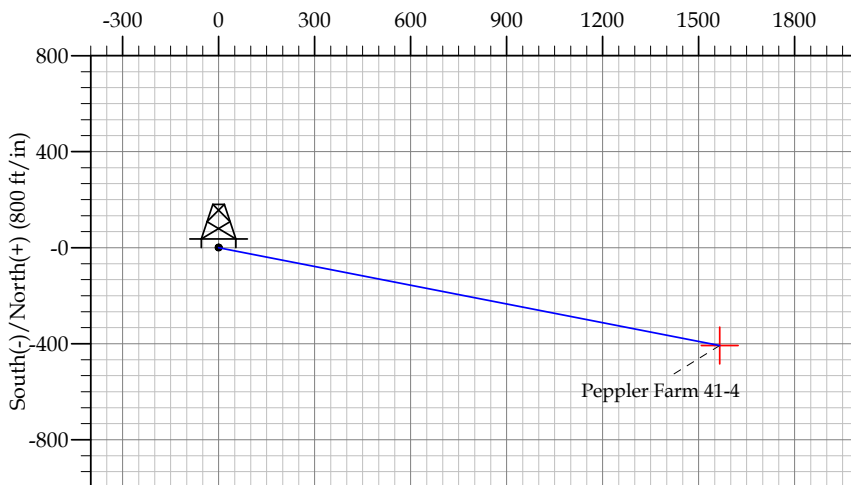
WELL DETAILS: Peppler Farm 41-4

+N/-S	+E/-W	Northing	Ground Level:	5071.0	Longitude	Slot
			Easting	Latitude		

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	1599.2	16.98	104.60	1586.8	-31.5	120.9	2.00	104.60	124.9	
4	6282.9	16.98	104.60	6066.2	-376.4	1444.8	0.00	0.00	1493.0	
5	7132.0	0.00	0.00	6903.0	-407.9	1565.7	2.00	180.00	1617.9	
6	8182.0	0.00	0.00	7953.0	-407.9	1565.7	0.00	0.00	1617.9	Peppler Farm 41-4

West(-)/East(+) (600 ft/in)



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4114.0	4241.6	Sussex
4637.0	4788.5	Shannon
7099.0	7328.0	Niobrara
7409.0	7638.0	Codell
7803.0	8032.0	J Sand
7857.0	8086.0	A Marker

CASING DETAILS

TVD	MD	Name	Size
700.0	700.0	Surface	8.625
7953.0	8182.0	Production	4.500



Vertical Section at 104.60° (1200 ft/in)

EnCana Corporation
 Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Pepler Farm 41-4
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 5084.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 5084.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Peppler Farm 41-4	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:	1,278,589.08ft	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	Peppler Farm 41-4					
Well Position	+N/-S	59,974.3 ft	Northing:	1,338,605.54 ft	Latitude:	40° 15' 42.552 N
	+E/-W	7,766.0 ft	Easting:	3,137,679.64 ft	Longitude:	105° 0' 23.976 W
Position Uncertainty		ft	Wellhead Elevation:	ft	Ground Level:	5,071.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.14	66.96	53,203

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	104.60

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	
1,599.2	16.98	104.60	1,586.8	-31.5	120.9	2.00	2.00	0.00	104.60	
6,282.9	16.98	104.60	6,066.2	-376.4	1,444.8	0.00	0.00	0.00	0.00	
7,132.0	0.00	0.00	6,903.0	-407.9	1,565.7	2.00	-2.00	0.00	180.00	
8,182.0	0.00	0.00	7,953.0	-407.9	1,565.7	0.00	0.00	0.00	0.00	Peppler Farm 41-4

EnCana Corporation

Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Pepler Farm 41-4
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 5084.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 5084.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Pepler Farm 41-4	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	1,338,605.54	3,137,679.64	40° 15' 42.552 N	105° 0' 23.976 W	
700.0	0.00	0.00	700.0	0.0	0.0	1,338,605.54	3,137,679.64	40° 15' 42.552 N	105° 0' 23.976 W	
Surface										
750.0	0.00	0.00	750.0	0.0	0.0	1,338,605.54	3,137,679.64	40° 15' 42.552 N	105° 0' 23.976 W	
1,599.2	16.98	104.60	1,586.8	-31.5	120.9	1,338,574.71	3,137,800.71	40° 15' 42.241 N	105° 0' 22.416 W	
4,241.6	16.98	104.60	4,114.0	-226.1	867.8	1,338,384.26	3,138,548.68	40° 15' 40.317 N	105° 0' 12.782 W	
Sussex										
4,788.5	16.98	104.60	4,637.0	-266.4	1,022.4	1,338,344.85	3,138,703.47	40° 15' 39.919 N	105° 0' 10.788 W	
Shannon										
6,282.9	16.98	104.60	6,066.2	-376.4	1,444.8	1,338,237.14	3,139,126.47	40° 15' 38.831 N	105° 0' 5.339 W	
7,132.0	0.00	0.00	6,903.0	-407.9	1,565.7	1,338,206.31	3,139,247.54	40° 15' 38.520 N	105° 0' 3.780 W	
7,328.0	0.00	0.00	7,099.0	-407.9	1,565.7	1,338,206.31	3,139,247.54	40° 15' 38.520 N	105° 0' 3.780 W	
Niobrara										
7,638.0	0.00	0.00	7,409.0	-407.9	1,565.7	1,338,206.31	3,139,247.54	40° 15' 38.520 N	105° 0' 3.780 W	
Codell										
8,032.0	0.00	0.00	7,803.0	-407.9	1,565.7	1,338,206.31	3,139,247.54	40° 15' 38.520 N	105° 0' 3.780 W	
J Sand										
8,086.0	0.00	0.00	7,857.0	-407.9	1,565.7	1,338,206.31	3,139,247.54	40° 15' 38.520 N	105° 0' 3.780 W	
A Marker										
8,182.0	0.00	0.00	7,953.0	-407.9	1,565.7	1,338,206.31	3,139,247.54	40° 15' 38.520 N	105° 0' 3.780 W	
Production - Pepler Farm 41-4										

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
Peppler Farm 41-4 - hit/miss target - Shape - Point	0.00	0.00	7,953.0	-407.9	1,565.7	1,338,206.31	3,139,247.54	40° 15' 38.520 N	105° 0' 3.780 W	

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)		
700.0	700.0	Surface	8.625	12.250		
8,182.0	7,953.0	Production	4.500	7.785		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,241.6	4,114.0	Sussex		0.00		
4,788.5	4,637.0	Shannon		0.00		
7,328.0	7,099.0	Niobrara		0.00		
7,638.0	7,409.0	Codell		0.00		
8,032.0	7,803.0	J Sand		0.00		
8,086.0	7,857.0	A Marker		0.00		