

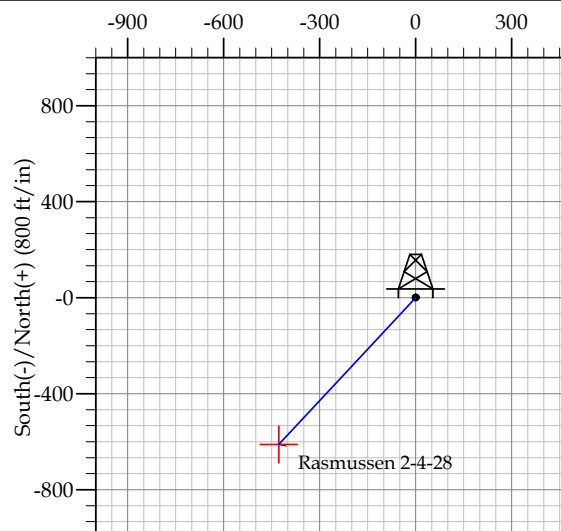
REFERENCE INFORMATION	
Co-ordinate (N/E) Reference:	Well Rasmussen 2-4-28, True North
Vertical (TVD) Reference:	WELL @ 4948.0ft (Original Well Elev)
Section (VS) Reference:	Slot - 0.0N, 0.0E
Measured Depth Reference:	WELL @ 4948.0ft (Original Well Elev)
Calculation Method:	

WELL DETAILS: Rasmussen 2-4-28

		Ground Level: 4935.0		
+N/-S	+E/-W	Northing	Easting	Latitude Longitude Slot
0.0	0.0	1283840.18	3136672.54	40° 6' 41.400 N 105° 0' 40.860 W

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	850.0	0.00	0.00	850.0	0.0	0.0	0.00	0.00	0.0	
3	1211.9	7.24	214.96	1210.9	-18.7	-13.1	2.00	214.96	22.8	
4	6777.4	7.24	214.96	6732.1	-593.3	-414.9	0.00	0.00	723.9	
5	7139.3	0.00	0.00	7093.0	-612.0	-427.9	2.00	180.00	746.8	
6	8189.3	0.00	0.00	8143.0	-612.0	-427.9	0.00	0.00	746.8	Rasmussen 2-4-28



FORMATION TOP DETAILS

TVDPATH	MDPATH	FORMATION
4403.0	4429.6	Sussex
4883.0	4913.5	Shannon
7298.0	7344.3	Niobrara
7560.0	7606.3	Codell
7993.0	8039.3	J Sand
8043.0	8089.3	A Marker

CASING DETAILS

TVD	MD	Name	Size
800.0	800.0	Surface	8.625
8143.0	8189.3	Production	4.500

EnCana Corporation
Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Rasmussen 2-4-28
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 4948.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 4948.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Rasmussen 2-4-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Rasmussen 2-4-28		

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	Rasmussen 2-4-28					
Well Position	+N/-S	31,300.7 ft	Northing:	1,283,840.18 ft	Latitude:	40° 6' 41.400 N
	+E/-W	16,217.6 ft	Easting:	3,136,672.54 ft	Longitude:	105° 0' 40.860 W
Position Uncertainty		ft	Wellhead Elevation:	ft	Ground Level:	4,935.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	9.13	66.83	53,125

Design	Rasmussen 2-4-28			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	214.96

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	
850.0	0.00	0.00	850.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,211.9	7.24	214.96	1,210.9	-18.7	-13.1	2.00	2.00	0.00	214.96	
6,777.4	7.24	214.96	6,732.1	-593.3	-414.9	0.00	0.00	0.00	0.00	
7,139.3	0.00	0.00	7,093.0	-612.0	-427.9	2.00	-2.00	0.00	180.00	
8,189.3	0.00	0.00	8,143.0	-612.0	-427.9	0.00	0.00	0.00	0.00	Rasmussen 2-4-28

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Project:	Wattenberg	MD Reference:	WELL @ 4948.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Rasmussen 2-4-28	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Rasmussen 2-4-28		

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	1,283,840.18	3,136,672.54	40° 6' 41.400 N	105° 0' 40.860 W	
800.0	0.00	0.00	800.0	0.0	0.0	1,283,840.18	3,136,672.54	40° 6' 41.400 N	105° 0' 40.860 W	
Surface										
850.0	0.00	0.00	850.0	0.0	0.0	1,283,840.18	3,136,672.54	40° 6' 41.400 N	105° 0' 40.860 W	
1,211.9	7.24	214.96	1,210.9	-18.7	-13.1	1,283,821.40	3,136,659.56	40° 6' 41.215 N	105° 0' 41.028 W	
4,429.6	7.24	214.96	4,403.0	-350.9	-245.4	1,283,487.94	3,136,429.10	40° 6' 37.932 N	105° 0' 44.018 W	
Sussex										
4,913.5	7.24	214.96	4,883.0	-400.8	-280.3	1,283,437.80	3,136,394.45	40° 6' 37.439 N	105° 0' 44.468 W	
Shannon										
6,777.4	7.24	214.96	6,732.1	-593.3	-414.9	1,283,244.63	3,136,260.95	40° 6' 35.537 N	105° 0' 46.200 W	
7,139.3	0.00	0.00	7,093.0	-612.0	-427.9	1,283,225.85	3,136,247.97	40° 6' 35.352 N	105° 0' 46.368 W	
7,344.3	0.00	0.00	7,298.0	-612.0	-427.9	1,283,225.85	3,136,247.97	40° 6' 35.352 N	105° 0' 46.368 W	
Niobrara										
7,606.3	0.00	0.00	7,560.0	-612.0	-427.9	1,283,225.85	3,136,247.97	40° 6' 35.352 N	105° 0' 46.368 W	
Codell										
8,039.3	0.00	0.00	7,993.0	-612.0	-427.9	1,283,225.85	3,136,247.97	40° 6' 35.352 N	105° 0' 46.368 W	
J Sand										
8,089.3	0.00	0.00	8,043.0	-612.0	-427.9	1,283,225.85	3,136,247.97	40° 6' 35.352 N	105° 0' 46.368 W	
A Marker										
8,189.3	0.00	0.00	8,143.0	-612.0	-427.9	1,283,225.85	3,136,247.97	40° 6' 35.352 N	105° 0' 46.368 W	
Production - Rasmussen 2-4-28										

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										
Rasmussen 2-4-28	0.00	0.00	8,143.0	-612.0	-427.9	1,283,225.85	3,136,247.97	40° 6' 35.352 N	105° 0' 46.368 W	
- plan hits target										
- Point										

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)		
800.0	800.0	Surface	8.625	12.250		
8,189.3	8,143.0	Production	4.500	7.785		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,429.6	4,403.0	Sussex		0.00		
4,913.5	4,883.0	Shannon		0.00		
7,344.3	7,298.0	Niobrara		0.00		
7,606.3	7,560.0	Codell		0.00		
8,039.3	7,993.0	J Sand		0.00		
8,089.3	8,043.0	A Marker		0.00		

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Wellbore:	Wellbore #1		
Design:	Rasmussen 2-4-28		