

REFERENCE INFORMATION

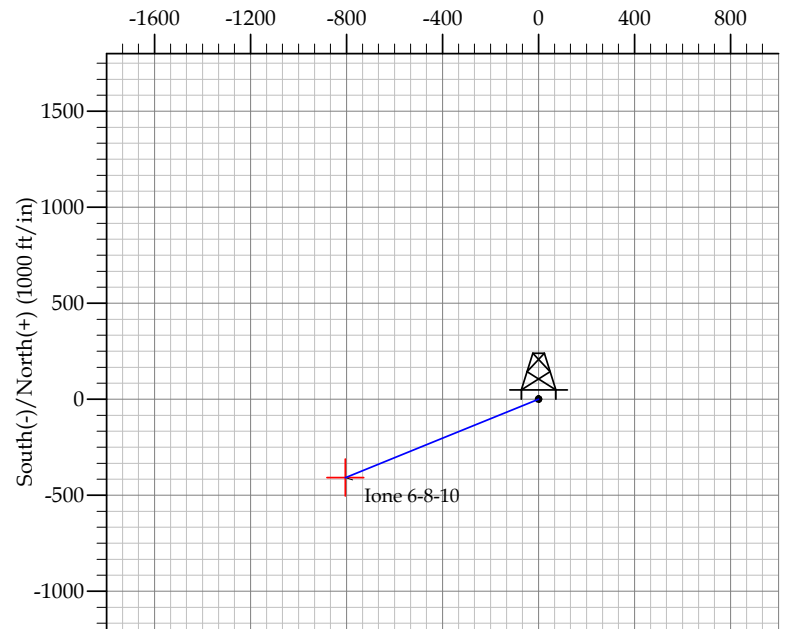
Co-ordinate (N/E) Reference: Well Ione 6-8-10, True North
Vertical (TVD) Reference: WELL @ 5029.0ft (Original Well Elev)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: WELL @ 5029.0ft (Original Well Elev)
Calculation Method:

WELL DETAILS: Ione 6-8-10

+N/-S	+E/-W	Northing	Ground Level:	5016.0	Longitude	Slot
0.0	0.0	1297150.77	Easting	3207899.66	40° 8' 48.048 N 4° 45' 22.680 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	1000.0	0.00	0.00	1000.0	0.0	0.0	0.00	0.00	0.0	
3	1461.3	9.23	243.13	1459.3	-16.8	-33.1	2.00	243.13	37.1	
4	6628.5	9.23	243.13	6559.7	-391.2	-772.1	0.00	0.00	865.5	
5	7089.8	0.00	0.00	7019.0	-408.0	-805.1	2.00	180.00	902.6	
6	8139.8	0.00	0.00	8069.0	-408.0	-805.1	0.00	0.00	902.6	Ione 6-8-10



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4504.0	4545.9	Sussex
7202.0	7272.8	Niobrara
7479.0	7549.8	Codell
7919.0	7989.8	J Sand
7999.0	8069.8	A Marker

CASING DETAILS

TVD	MD	Name	Size
950.0	950.0	Surface	8.625
8069.0	8139.8	Production	4.500

EnCana Corporation
Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well lone 6-8-10
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:	lone 6-8-10	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	lone 6-8-10		

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	lone 6-8-10					
Well Position	+N/-S	43,966.7 ft	Northing:	1,297,150.77 ft	Latitude:	40° 8' 48.048 N
	+E/-W	87,644.0 ft	Easting:	3,207,899.66 ft	Longitude:	104° 45' 22.680 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	9.00	66.90	53,170

Design	lone 6-8-10				
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	243.13	

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	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,461.3	9.23	243.13	1,459.3	-16.8	-33.1	2.00	2.00	0.00	243.13	
6,628.5	9.23	243.13	6,559.7	-391.2	-772.1	0.00	0.00	0.00	0.00	
7,089.8	0.00	0.00	7,019.0	-408.0	-805.1	2.00	-2.00	0.00	180.00	
8,139.8	0.00	0.00	8,069.0	-408.0	-805.1	0.00	0.00	0.00	0.00	lone 6-8-10

EnCana Corporation
Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well lone 6-8-10
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:	lone 6-8-10	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	lone 6-8-10		

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	1,297,150.77	3,207,899.66	40° 8' 48.048 N	104° 45' 22.680 W	
950.0	0.00	0.00	950.0	0.0	0.0	1,297,150.77	3,207,899.66	40° 8' 48.048 N	104° 45' 22.680 W	
Surface										
1,000.0	0.00	0.00	1,000.0	0.0	0.0	1,297,150.77	3,207,899.66	40° 8' 48.048 N	104° 45' 22.680 W	
1,461.3	9.23	243.13	1,459.3	-16.8	-33.1	1,297,133.74	3,207,866.75	40° 8' 47.882 N	104° 45' 23.106 W	
4,545.9	9.23	243.13	4,504.0	-240.3	-474.2	1,296,906.51	3,207,427.49	40° 8' 45.673 N	104° 45' 28.787 W	
Sussex										
6,628.5	9.23	243.13	6,559.7	-391.2	-772.1	1,296,753.08	3,207,130.91	40° 8' 44.182 N	104° 45' 32.622 W	
7,089.8	0.00	0.00	7,019.0	-408.0	-805.1	1,296,736.06	3,207,097.99	40° 8' 44.016 N	104° 45' 33.048 W	
7,272.8	0.00	0.00	7,202.0	-408.0	-805.1	1,296,736.06	3,207,097.99	40° 8' 44.016 N	104° 45' 33.048 W	
Niobrara										
7,549.8	0.00	0.00	7,479.0	-408.0	-805.1	1,296,736.06	3,207,097.99	40° 8' 44.016 N	104° 45' 33.048 W	
Codell										
7,989.8	0.00	0.00	7,919.0	-408.0	-805.1	1,296,736.06	3,207,097.99	40° 8' 44.016 N	104° 45' 33.048 W	
J Sand										
8,069.8	0.00	0.00	7,999.0	-408.0	-805.1	1,296,736.06	3,207,097.99	40° 8' 44.016 N	104° 45' 33.048 W	
A Marker										
8,139.8	0.00	0.00	8,069.0	-408.0	-805.1	1,296,736.06	3,207,097.99	40° 8' 44.016 N	104° 45' 33.048 W	
Production - lone 6-8-10										

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	
lone 6-8-10 - plan hits target - Point	0.00	0.00	8,069.0	-408.0	-805.1	1,296,736.06	3,207,097.99	40° 8' 44.016 N	104° 45' 33.048 W	

Casing Points								
Measured Depth (ft)	Vertical Depth (ft)	Name		Casing Diameter (in)	Hole Diameter (in)			
950.0	950.0	Surface		8.625	12.250			
8,139.8	8,069.0	Production		4.500	7.785			

Formations								
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology		Dip (°)	Dip Direction (°)		
4,545.9	4,504.0	Sussex			0.00			
7,272.8	7,202.0	Niobrara			0.00			
7,549.8	7,479.0	Codell			0.00			
7,989.8	7,919.0	J Sand			0.00			
8,069.8	7,999.0	A Marker			0.00			