

EnCana Corporation

Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Hector 21-25
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:	Hector 21-25	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Hector 21-25		

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	Hector 21-25					
Well Position	+N-S	-26,113.3 ft	Northing:	1,252,428.79 ft	Latitude:	40° 1' 31.800 N
	+E-W	-9,746.7 ft	Easting:	3,120,627.76 ft	Longitude:	105° 4' 9.336 W
Position Uncertainty		ft	Wellhead Elevation:	ft	Ground Level:	5,173.0 ft

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	Hector 21-25				
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	35.64	

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	
1,275.7	10.51	35.64	1,272.8	39.1	28.0	2.00	2.00	0.00	35.64	
6,938.3	10.51	35.64	6,840.2	878.9	630.1	0.00	0.00	0.00	0.00	
7,464.0	0.00	0.00	7,363.0	918.0	658.1	2.00	-2.00	0.00	180.00	
8,664.0	0.00	0.00	8,563.0	918.0	658.1	0.00	0.00	0.00	0.00	Hector 21-25

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Wellbore:	Wellbore #1		
Design:	Hector 21-25		

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	1,252,428.79	3,120,627.76	40° 1' 31.800 N	105° 4' 9.336 W	
700.0	0.00	0.00	700.0	0.0	0.0	1,252,428.79	3,120,627.76	40° 1' 31.800 N	105° 4' 9.336 W	
Surface										
750.0	0.00	0.00	750.0	0.0	0.0	1,252,428.79	3,120,627.76	40° 1' 31.800 N	105° 4' 9.336 W	
1,275.7	10.51	35.64	1,272.8	39.1	28.0	1,252,468.02	3,120,655.60	40° 1' 32.186 N	105° 4' 8.976 W	
4,746.2	10.51	35.64	4,685.0	553.8	397.0	1,252,984.52	3,121,022.08	40° 1' 37.273 N	105° 4' 4.232 W	
Sussex										
5,361.5	10.51	35.64	5,290.0	645.1	462.4	1,253,076.09	3,121,087.05	40° 1' 38.175 N	105° 4' 3.391 W	
Shannon										
6,938.3	10.51	35.64	6,840.2	878.9	630.1	1,253,310.74	3,121,253.55	40° 1' 40.486 N	105° 4' 1.236 W	
7,464.0	0.00	0.00	7,363.0	918.0	658.1	1,253,349.97	3,121,281.39	40° 1' 40.872 N	105° 4' 0.876 W	
7,672.0	0.00	0.00	7,571.0	918.0	658.1	1,253,349.97	3,121,281.39	40° 1' 40.872 N	105° 4' 0.876 W	
Niobrara										
8,102.0	0.00	0.00	8,001.0	918.0	658.1	1,253,349.97	3,121,281.39	40° 1' 40.872 N	105° 4' 0.876 W	
Codell										
8,514.0	0.00	0.00	8,413.0	918.0	658.1	1,253,349.97	3,121,281.39	40° 1' 40.872 N	105° 4' 0.876 W	
J Sand										
8,564.0	0.00	0.00	8,463.0	918.0	658.1	1,253,349.97	3,121,281.39	40° 1' 40.872 N	105° 4' 0.876 W	
A Marker										
8,664.0	0.00	0.00	8,563.0	918.0	658.1	1,253,349.97	3,121,281.39	40° 1' 40.872 N	105° 4' 0.876 W	
Production - Hector 21-25										

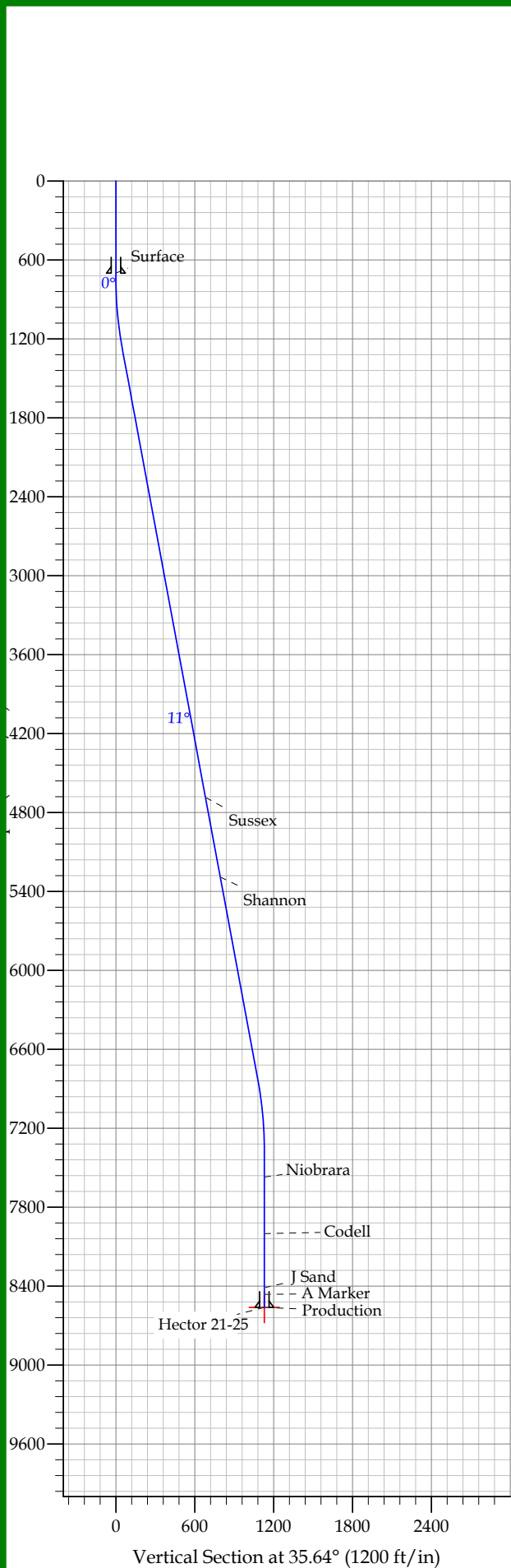
Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude	
- hit/miss target										
- Shape										
Hector 21-25	0.00	0.00	8,563.0	918.0	658.1	1,253,349.97	3,121,281.39	40° 1' 40.872 N	105° 4' 0.876 W	
- plan hits 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	
8,664.0	8,563.0	Production	4.500	7.785	

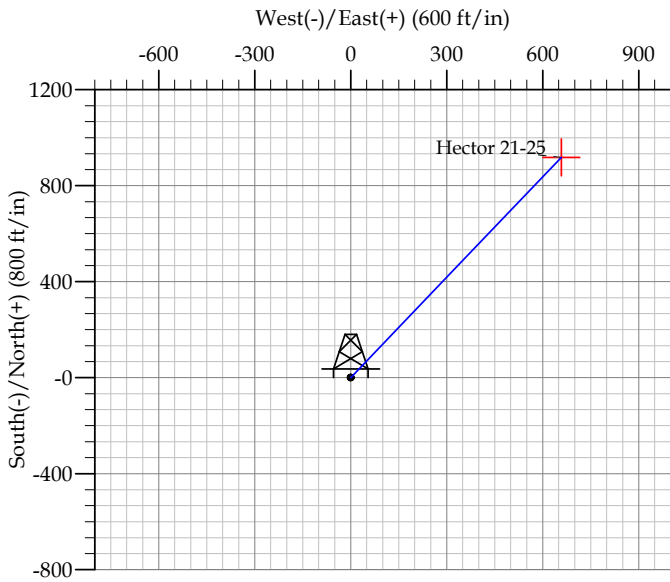
Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,746.2	4,685.0	Sussex		0.00		
5,361.5	5,290.0	Shannon		0.00		
7,672.0	7,571.0	Niobrara		0.00		
8,102.0	8,001.0	Codell		0.00		
8,514.0	8,413.0	J Sand		0.00		
8,564.0	8,463.0	A Marker		0.00		

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Wellbore:	Wellbore #1		
Design:	Hector 21-25		



REFERENCE INFORMATION											
Co-ordinate (N/E) Reference: Well Hector 21-25, 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: Hector 21-25											
+N/-S		+E/-W		Northing		Ground Level: Easting		5173.0 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	1275.7	10.51	35.64	1272.8	39.1	28.0	2.00	35.64	48.1		
4	6938.3	10.51	35.64	6840.2	878.9	630.1	0.00	0.00	1081.4		
5	7464.0	0.00	0.00	7363.0	918.0	658.1	2.00	180.00	1129.5		
6	8664.0	0.00	0.00	8563.0	918.0	658.1	0.00	0.00	1129.5	Hector 21-25	



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4685.0	4746.2	Sussex
5290.0	5361.5	Shannon
7571.0	7672.0	Niobrara
8001.0	8102.0	Codell
8413.0	8514.0	J Sand
8463.0	8564.0	A Marker
CASING DETAILS		
TVD	MD	Name Size
700.0	700.0	Surface 8.625
8563.0	8664.0	Production 4.500