

REFERENCE INFORMATION

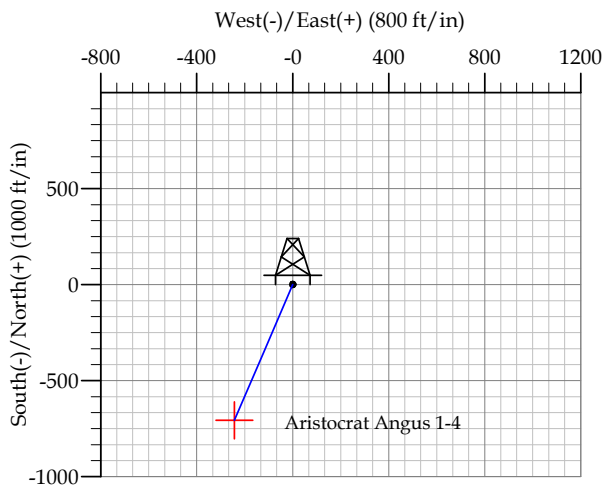
Co-ordinate (N/E) Reference: Well Aristocrat Angus 1-4, True North
Vertical (TVD) Reference: WELL @ 4828.0ft (Original Well Elev)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: WELL @ 4828.0ft (Original Well Elev)
Calculation Method:

WELL DETAILS: Aristocrat Angus 1-4

+N/-S	+E/-W	Northing	Ground Level:	4815.0		
0.0	0.0	1338640.90	Easting	3233672.23	Latitude	40° 15' 35.784 N
					Longitude	04° 39' 45.756 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	650.0	0.00	0.00	650.0	0.0	0.0	0.00	0.00	0.0	
3	1026.1	7.52	198.96	1025.0	-23.3	-8.0	2.00	198.96	24.7	
4	6357.9	7.52	198.96	6311.0	-683.4	-234.8	0.00	0.00	722.6	
5	6734.0	0.00	0.00	6686.0	-706.7	-242.8	2.00	180.00	747.3	
6	7364.0	0.00	0.00	7316.0	-706.7	-242.8	0.00	0.00	747.3	Aristocrat Angus 1-4



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4378.0	4408.2	Sussex
6886.0	6934.0	Niobrara
7166.0	7214.0	Codell
7204.0	7252.0	Greenhorn

CASING DETAILS

TVD	MD	Name	Size
600.0	600.0	Surface	8.625
7316.0	7364.0	Production	4.500

EnCana Corporation
Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Aristocrat Angus 1-4
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 4828.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 4828.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Aristocrat Angus 1-4	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Aristocrat Angus 1-4		

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	Aristocrat Angus 1-4					
Well Position	+N/-S	85,119.2 ft	Northing:	1,338,640.90 ft	Latitude:	40° 15' 35.784 N
	+E/-W	113,853.6 ft	Easting:	3,233,672.23 ft	Longitude:	104° 39' 45.756 W
Position Uncertainty		ft	Wellhead Elevation:	ft	Ground Level:	4,815.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	12/31/2009	8.96	67.01	53,242

Design	Aristocrat Angus 1-4				
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	198.96	

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	
650.0	0.00	0.00	650.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,026.1	7.52	198.96	1,025.0	-23.3	-8.0	2.00	2.00	0.00	198.96	
6,357.9	7.52	198.96	6,311.0	-683.4	-234.8	0.00	0.00	0.00	0.00	
6,734.0	0.00	0.00	6,686.0	-706.7	-242.8	2.00	-2.00	0.00	180.00	
7,364.0	0.00	0.00	7,316.0	-706.7	-242.8	0.00	0.00	0.00	0.00	Aristocrat Angus 1-4

EnCana Corporation
Planning Report - Geographic

Database:	EDM	Local Co-ordinate Reference:	Well Aristocrat Angus 1-4
Company:	DJ/Paradox/WTX	TVD Reference:	WELL @ 4828.0ft (Original Well Elev)
Project:	Wattenberg	MD Reference:	WELL @ 4828.0ft (Original Well Elev)
Site:	New Drills	North Reference:	True
Well:	Aristocrat Angus 1-4	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Aristocrat Angus 1-4		

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	1,338,640.90	3,233,672.23	40° 15' 35.784 N	104° 39' 45.756 W
600.0	0.00	0.00	600.0	0.0	0.0	1,338,640.90	3,233,672.23	40° 15' 35.784 N	104° 39' 45.756 W
Surface									
650.0	0.00	0.00	650.0	0.0	0.0	1,338,640.90	3,233,672.23	40° 15' 35.784 N	104° 39' 45.756 W
1,026.1	7.52	198.96	1,025.0	-23.3	-8.0	1,338,617.51	3,233,664.44	40° 15' 35.553 N	104° 39' 45.859 W
4,408.2	7.52	198.96	4,378.0	-442.0	-151.9	1,338,197.47	3,233,524.55	40° 15' 31.416 N	104° 39' 47.715 W
Sussex									
6,357.9	7.52	198.96	6,311.0	-683.4	-234.8	1,337,955.32	3,233,443.89	40° 15' 29.030 N	104° 39' 48.785 W
6,734.0	0.00	0.00	6,686.0	-706.7	-242.8	1,337,931.93	3,233,436.11	40° 15' 28.800 N	104° 39' 48.888 W
6,934.0	0.00	0.00	6,886.0	-706.7	-242.8	1,337,931.93	3,233,436.11	40° 15' 28.800 N	104° 39' 48.888 W
Niobrara									
7,214.0	0.00	0.00	7,166.0	-706.7	-242.8	1,337,931.93	3,233,436.11	40° 15' 28.800 N	104° 39' 48.888 W
Codell									
7,252.0	0.00	0.00	7,204.0	-706.7	-242.8	1,337,931.93	3,233,436.11	40° 15' 28.800 N	104° 39' 48.888 W
Greenhorn									
7,364.0	0.00	0.00	7,316.0	-706.7	-242.8	1,337,931.93	3,233,436.11	40° 15' 28.800 N	104° 39' 48.888 W
Production - Aristocrat Angus 1-4									

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										
Aristocrat Angus 1-4	0.00	0.00	7,316.0	-706.7	-242.8	1,337,931.93	3,233,436.11	40° 15' 28.800 N	104° 39' 48.888 W	
- plan hits target										
- Point										

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)		
600.0	600.0	Surface	8.625	12.250		
7,364.0	7,316.0	Production	4.500	7.785		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,408.2	4,378.0	Sussex		0.00		
6,934.0	6,886.0	Niobrara		0.00		
7,214.0	7,166.0	Codell		0.00		
7,252.0	7,204.0	Greenhorn		0.00		