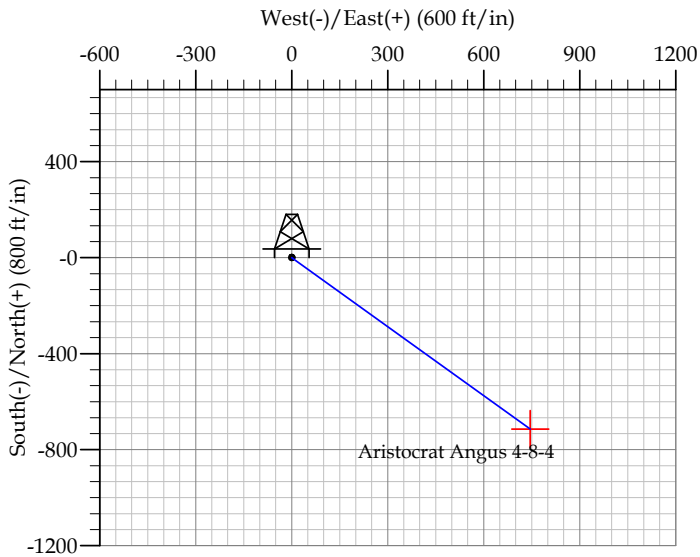


REFERENCE INFORMATION											
Co-ordinate (N/E) Reference: Well Aristocrat Angus 4-8-4, True North											
Vertical (TVD) Reference: WELL @ 4833.0ft (Original Well Elev)											
Section (VS) Reference: Slot - (0.0N, 0.0E)											
Measured Depth Reference: WELL @ 4833.0ft (Original Well Elev)											
Calculation Method:											
WELL DETAILS: Aristocrat Angus 4-8-4											
+N/-S		+E/-W		Northing		Ground Level: 4820.0 Easting		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	650.0	0.00	0.00	650.0	0.0	0.0	0.00	0.00	0.0		
3	1181.4	10.63	133.77	1178.4	-34.0	35.5	2.00	133.77	49.1		
4	6244.5	10.63	133.77	6154.6	-680.0	709.8	0.00	0.00	983.0		
5	6775.9	0.00	0.00	6683.0	-714.0	745.3	2.00	180.00	1032.1		
6	7475.9	0.00	0.00	7383.0	-714.0	745.3	0.00	0.00	1032.1	Aristocrat Angus 4-8-4	



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4433.0	4492.9	Sussex
6875.0	6967.9	Niobrara
7160.0	7252.9	Codell
7233.0	7325.9	Greenhorn
7293.0	7385.9	Hartland
CASING DETAILS		
TVD	MD	Name Size
600.0	600.0	Surface 8.625
7383.0	7475.9	Production 4.500

# EnCana Corporation

## Planning Report - Geographic

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well Aristocrat Angus 4-8-4
<b>Company:</b>	DJ/Paradox/WTX	<b>TVD Reference:</b>	WELL @ 4833.0ft (Original Well Elev)
<b>Project:</b>	Wattenberg	<b>MD Reference:</b>	WELL @ 4833.0ft (Original Well Elev)
<b>Site:</b>	New Drills	<b>North Reference:</b>	True
<b>Well:</b>	Aristocrat Angus 4-8-4	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Aristocrat Angus 4-8-4		

<b>Project</b>	Wattenberg,		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

Site		New Drills				
Site Position:		Northing:	1,252,450.66ft	Latitude:	40° 1' 32.016 N	
From:	Lat/Long	Easting:	3,120,627.66ft	Longitude:	105° 4' 9.336 W	
Position Uncertainty:		ft	Slot Radius:	in	Grid Convergence:	0.28 °

Well	Aristocrat Angus 4-8-4					
Well Position	+N-S	81,220.6 ft	Northing:	1,334,711.14 ft	Latitude:	40° 14' 57.156 N
	+E-W	111,596.4 ft	Easting:	3,231,459.45 ft	Longitude:	104° 40' 14.772 W
Position Uncertainty		ft	Wellhead Elevation:	ft	Ground Level:	4,820.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF200510	12/31/2009	8.96	67.00	53,235

<b>Design</b>	Aristocrat Angus 4-8-4				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0	
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	133.77	

<b>Plan Sections</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	<b>TFO (°)</b>	<b>Target</b>
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	
1,181.4	10.63	133.77	1,178.4	-34.0	35.5	2.00	2.00	0.00	133.77	
6,244.5	10.63	133.77	6,154.6	-680.0	709.8	0.00	0.00	0.00	0.00	
6,775.9	0.00	0.00	6,683.0	-714.0	745.3	2.00	-2.00	0.00	180.00	
7,475.9	0.00	0.00	7,383.0	-714.0	745.3	0.00	0.00	0.00	0.00	Aristocrat Angus 4-i

# EnCana Corporation

## Planning Report - Geographic

<b>Database:</b>	EDM	<b>Local Co-ordinate Reference:</b>	Well Aristocrat Angus 4-8-4
<b>Company:</b>	DJ/Paradox/WTX	<b>TVD Reference:</b>	WELL @ 4833.0ft (Original Well Elev)
<b>Project:</b>	Wattenberg	<b>MD Reference:</b>	WELL @ 4833.0ft (Original Well Elev)
<b>Site:</b>	New Drills	<b>North Reference:</b>	True
<b>Well:</b>	Aristocrat Angus 4-8-4	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Aristocrat Angus 4-8-4		

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	1,334,711.14	3,231,459.45	40° 14' 57.156 N	104° 40' 14.772 W
600.0	0.00	0.00	600.0	0.0	0.0	1,334,711.14	3,231,459.45	40° 14' 57.156 N	104° 40' 14.772 W
<b>Surface</b>									
650.0	0.00	0.00	650.0	0.0	0.0	1,334,711.14	3,231,459.45	40° 14' 57.156 N	104° 40' 14.772 W
1,181.4	10.63	133.77	1,178.4	-34.0	35.5	1,334,677.47	3,231,495.26	40° 14' 56.820 N	104° 40' 14.314 W
4,492.9	10.63	133.77	4,433.0	-456.5	476.5	1,334,259.12	3,231,940.22	40° 14' 52.645 N	104° 40' 8.626 W
<b>Sussex</b>									
6,244.5	10.63	133.77	6,154.6	-680.0	709.8	1,334,037.82	3,232,175.59	40° 14' 50.436 N	104° 40' 5.618 W
6,775.9	0.00	0.00	6,683.0	-714.0	745.3	1,334,004.16	3,232,211.40	40° 14' 50.100 N	104° 40' 5.160 W
6,967.9	0.00	0.00	6,875.0	-714.0	745.3	1,334,004.16	3,232,211.40	40° 14' 50.100 N	104° 40' 5.160 W
<b>Niobrara</b>									
7,252.9	0.00	0.00	7,160.0	-714.0	745.3	1,334,004.16	3,232,211.40	40° 14' 50.100 N	104° 40' 5.160 W
<b>Codell</b>									
7,325.9	0.00	0.00	7,233.0	-714.0	745.3	1,334,004.16	3,232,211.40	40° 14' 50.100 N	104° 40' 5.160 W
<b>Greenhorn</b>									
7,385.9	0.00	0.00	7,293.0	-714.0	745.3	1,334,004.16	3,232,211.40	40° 14' 50.100 N	104° 40' 5.160 W
<b>Hartland</b>									
7,475.9	0.00	0.00	7,383.0	-714.0	745.3	1,334,004.16	3,232,211.40	40° 14' 50.100 N	104° 40' 5.160 W
<b>Production - Aristocrat Angus 4-8-4</b>									

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 4-8-4	0.00	0.00	7,383.0	-714.0	745.3	1,334,004.16	3,232,211.40	40° 14' 50.100 N	104° 40' 5.160 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	
7,475.9	7,383.0	Production	4.500	7.785	

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,492.9	4,433.0	Sussex		0.00		
6,967.9	6,875.0	Niobrara		0.00		
7,252.9	7,160.0	Codell		0.00		
7,325.9	7,233.0	Greenhorn		0.00		
7,385.9	7,293.0	Hartland		0.00		