

Well Name: **Aristocrat Angus 5-6-2**

Surface Location: Aristocrat Angus 5-6-2 Pad Sec.2-T3N-R65W  
 North American Datum 1983 US State Plane 1983 Colorado Northern Zone

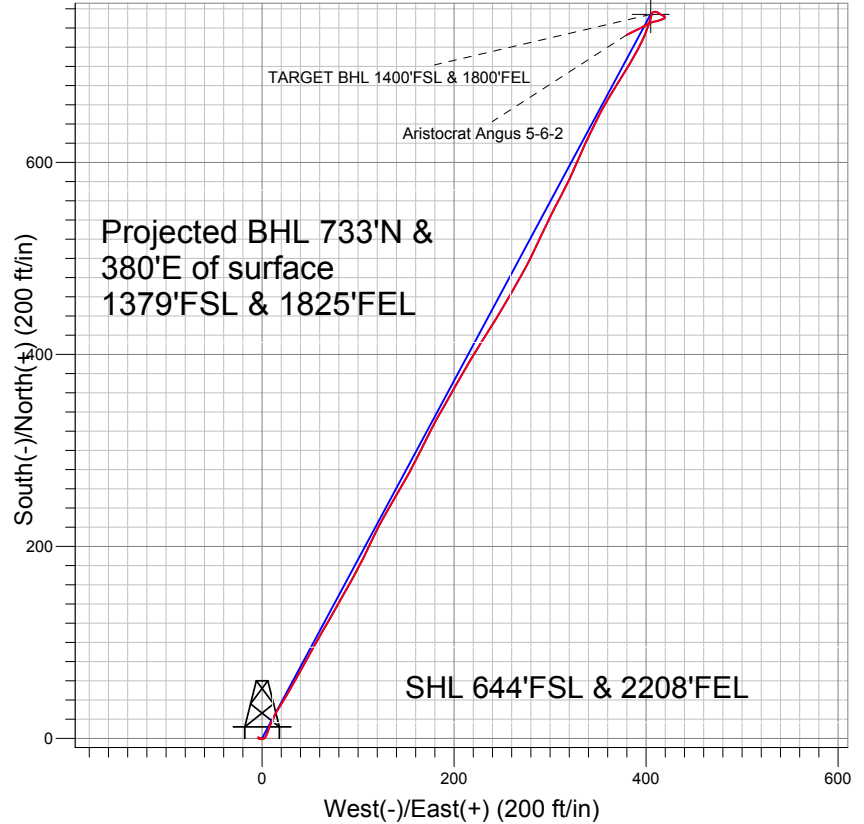
Ground Elevation: 4781.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1334729.32	3243233.54	40.248950	-104.628590

Original Well Elev WELL @ 4794.0ft (Original Well Elev)

Slot

## EnCana Oil & Gas Weld County CO



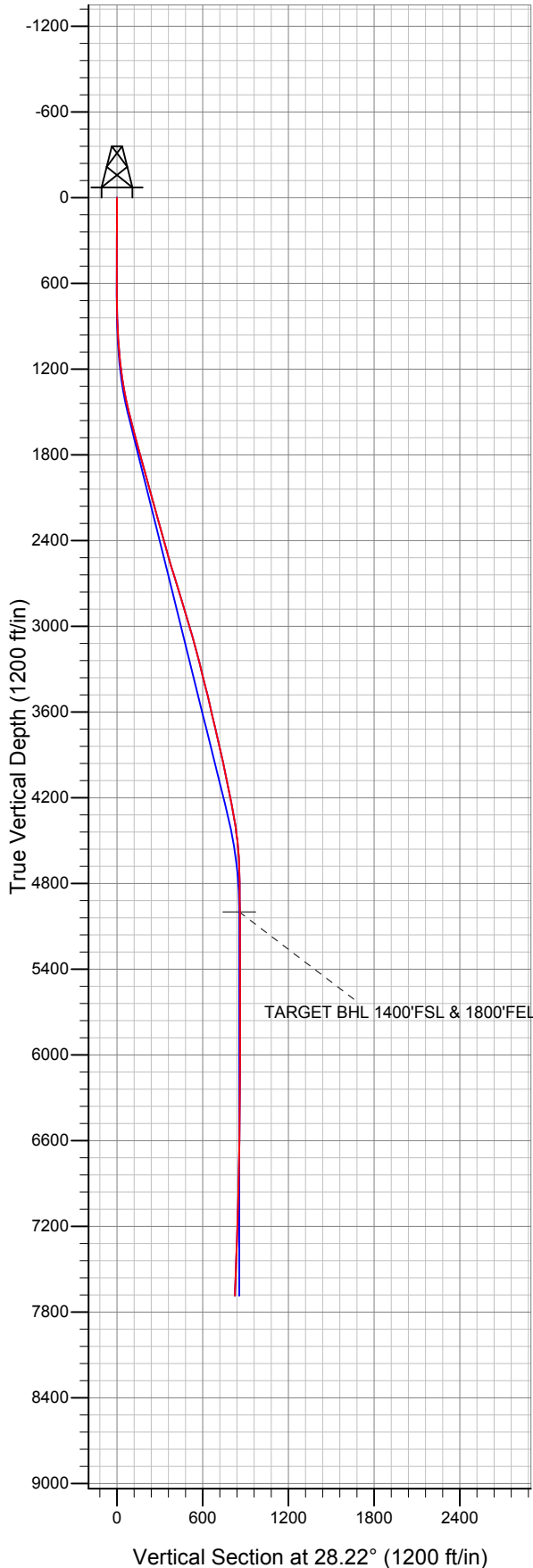
### LEGEND

- ✕ Aristocrat Angus 5-6-2, Wellbore #1, Plan #2 (11-7-11) V0
- Wellbore #1
- Survey #1

## Final Survey Plot

Projected Final Survey -  
 7792'MD & 7687'TVD @ 825'VS  
 2.5 deg Inc 241.3 deg AZ

Project: SEC.2-T3N-R65W  
 Site: Aristocrat Angus 5-6-2 Pad Sec.2-T3N-R65W  
 Well: Aristocrat Angus 5-6-2  
 Plan: Wellbore #1





## **Directional**

### **EnCana Oil & Gas Weld County CO**

**SEC.2-T3N-R65W**

**Aristocrat Angus 5-6-2 Pad Sec.2-T3N-R65W**

**Aristocrat Angus 5-6-2**

**Wellbore #1**

**Survey: Survey #1**

### **Standard Survey Report**

**12 December, 2011**



<b>Company:</b>	EnCana Oil & Gas Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Aristocrat Angus 5-6-2
<b>Project:</b>	SEC.2-T3N-R65W	<b>TVD Reference:</b>	WELL @ 4794.0ft (Original Well Elev)
<b>Site:</b>	Aristocrat Angus 5-6-2 Pad Sec.2-T3N-R65W	<b>MD Reference:</b>	WELL @ 4794.0ft (Original Well Elev)
<b>Well:</b>	Aristocrat Angus 5-6-2	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Wellbore #1	<b>Database:</b>	Landmark

### Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,170.0	6.60	24.60	1,168.9	20.9	11.7	24.0	1.45	1.45	0.48
1,269.0	8.60	31.90	1,267.1	32.4	18.0	37.0	2.24	2.02	7.37
1,363.0	10.70	29.70	1,359.7	45.9	26.0	52.8	2.27	2.23	-2.34
1,456.0	12.90	30.40	1,450.8	62.4	35.6	71.8	2.37	2.37	0.75
1,550.0	13.90	27.70	1,542.2	81.4	46.1	93.6	1.25	1.06	-2.87
1,644.0	14.30	29.40	1,633.4	101.5	57.1	116.5	0.61	0.43	1.81
1,737.0	15.50	30.80	1,723.3	122.2	69.1	140.4	1.35	1.29	1.51
1,831.0	15.30	29.20	1,813.9	143.8	81.6	165.3	0.50	-0.21	-1.70
1,925.0	15.60	29.20	1,904.5	165.7	93.8	190.3	0.32	0.32	0.00
2,018.0	15.50	26.60	1,994.1	187.7	105.4	215.3	0.76	-0.11	-2.80
2,112.0	15.20	24.60	2,084.7	210.1	116.2	240.1	0.65	-0.32	-2.13
2,206.0	15.70	30.00	2,175.3	232.4	127.7	265.1	1.62	0.53	5.74
2,299.0	15.60	30.30	2,264.9	254.1	140.3	290.2	0.14	-0.11	0.32
2,393.0	15.20	29.00	2,355.5	275.8	152.6	315.2	0.56	-0.43	-1.38
2,487.0	16.00	25.90	2,446.0	298.2	164.3	340.4	1.23	0.85	-3.30
2,580.0	15.80	27.20	2,535.5	321.0	175.7	365.9	0.44	-0.22	1.40
2,674.0	17.50	30.30	2,625.5	344.6	188.6	392.8	2.04	1.81	3.30
2,768.0	17.30	29.10	2,715.2	369.0	202.6	420.9	0.44	-0.21	-1.28
2,861.0	16.60	30.80	2,804.2	392.5	216.1	448.0	0.92	-0.75	1.83
2,955.0	16.70	32.40	2,894.3	415.4	230.2	474.9	0.50	0.11	1.70
3,049.0	16.20	31.50	2,984.4	438.0	244.3	501.4	0.60	-0.53	-0.96
3,142.0	16.80	30.10	3,073.6	460.7	257.8	527.8	0.77	0.65	-1.51
3,236.0	15.10	29.30	3,164.0	483.1	270.6	553.7	1.82	-1.81	-0.85
3,330.0	13.60	25.10	3,255.0	503.8	281.3	576.9	1.94	-1.60	-4.47
3,423.0	14.00	25.20	3,345.3	523.9	290.7	599.1	0.43	0.43	0.11
3,517.0	14.10	26.40	3,436.5	544.4	300.7	621.9	0.33	0.11	1.28
3,611.0	12.90	28.30	3,527.9	563.9	310.7	643.8	1.36	-1.28	2.02
3,704.0	13.40	25.40	3,618.5	582.8	320.3	665.0	0.89	0.54	-3.12
3,798.0	13.20	22.40	3,710.0	602.6	329.0	686.5	0.76	-0.21	-3.19
3,892.0	13.20	25.90	3,801.5	622.1	337.8	707.9	0.85	0.00	3.72
3,985.0	13.10	26.00	3,892.1	641.2	347.1	729.1	0.11	-0.11	0.11
4,079.0	11.30	28.90	3,983.9	658.8	356.2	748.9	2.02	-1.91	3.09
4,173.0	11.60	33.00	4,076.1	674.8	365.8	767.5	0.92	0.32	4.36
4,266.0	11.70	31.20	4,167.1	690.7	375.8	786.3	0.41	0.11	-1.94
4,360.0	11.30	29.80	4,259.3	706.8	385.3	805.0	0.52	-0.43	-1.49
4,454.0	9.40	28.30	4,351.7	721.6	393.5	821.9	2.04	-2.02	-1.60
4,547.0	7.40	20.60	4,443.7	733.9	399.2	835.4	2.46	-2.15	-8.28
4,641.0	5.70	18.40	4,537.1	744.0	402.8	846.0	1.83	-1.81	-2.34
4,735.0	3.40	18.00	4,630.8	751.1	405.1	853.4	2.45	-2.45	-0.43
4,828.0	1.20	0.00	4,723.7	754.7	406.0	856.9	2.46	-2.37	-19.35
4,922.0	0.70	63.40	4,817.7	755.9	406.5	858.3	1.15	-0.53	67.45
5,016.0	0.80	71.80	4,911.7	756.4	407.6	859.2	0.16	0.11	8.94
5,104.2	0.70	82.64	4,999.9	756.6	408.8	860.0	0.19	-0.11	12.28
<b>TARGET BHL 1400'FSL &amp; 1800'FEL</b>									
5,109.0	0.70	83.30	5,004.7	756.6	408.8	860.0	0.19	-0.09	13.95
5,203.0	0.60	98.80	5,098.7	756.6	409.9	860.5	0.21	-0.11	16.49
5,297.0	0.60	104.30	5,192.7	756.4	410.9	860.8	0.06	0.00	5.85
5,390.0	0.60	116.20	5,285.7	756.1	411.8	860.9	0.13	0.00	12.80
5,484.0	0.60	115.40	5,379.7	755.7	412.6	861.0	0.01	0.00	-0.85
5,577.0	0.60	122.20	5,472.7	755.2	413.5	861.0	0.08	0.00	7.31
5,671.0	0.50	128.70	5,566.7	754.7	414.2	860.8	0.13	-0.11	6.91
5,765.0	0.70	119.50	5,660.7	754.1	415.1	860.8	0.24	0.21	-9.79
5,858.0	0.70	122.00	5,753.7	753.6	416.0	860.7	0.03	0.00	2.69
5,952.0	0.60	110.40	5,847.7	753.1	417.0	860.7	0.18	-0.11	-12.34

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<b>Design:</b>	Wellbore #1	<b>Database:</b>	Landmark

Survey										
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6,046.0	0.50	106.50	5,941.6	752.8	417.8	860.9	0.11	-0.11	-4.15	
6,139.0	0.40	110.70	6,034.6	752.6	418.5	861.0	0.11	-0.11	4.52	
6,233.0	0.40	142.70	6,128.6	752.2	419.0	860.9	0.23	0.00	34.04	
6,327.0	0.40	159.80	6,222.6	751.6	419.3	860.6	0.13	0.00	18.19	
6,421.0	0.50	180.60	6,316.6	750.9	419.5	860.0	0.20	0.11	22.13	
6,516.0	0.60	225.50	6,411.6	750.1	419.1	859.1	0.45	0.11	47.26	
6,610.0	1.10	239.50	6,505.6	749.3	418.0	857.9	0.57	0.53	14.89	
6,704.0	1.60	252.60	6,599.6	748.5	415.9	856.2	0.62	0.53	13.94	
6,799.0	1.50	254.20	6,694.6	747.7	413.5	854.4	0.11	-0.11	1.68	
6,893.0	1.50	253.40	6,788.5	747.1	411.1	852.7	0.02	0.00	-0.85	
6,987.0	1.50	259.80	6,882.5	746.5	408.7	851.0	0.18	0.00	6.81	
7,082.0	1.70	259.20	6,977.5	746.0	406.1	849.4	0.21	0.21	-0.63	
7,176.0	1.80	243.60	7,071.4	745.1	403.4	847.3	0.52	0.11	-16.60	
7,270.0	1.90	236.20	7,165.4	743.6	400.8	844.7	0.28	0.11	-7.87	
7,364.0	2.80	241.50	7,259.3	741.6	397.5	841.4	0.98	0.96	5.64	
7,459.0	2.90	240.80	7,354.2	739.3	393.4	837.4	0.11	0.11	-0.74	
7,553.0	2.60	245.10	7,448.1	737.3	389.3	833.7	0.39	-0.32	4.57	
7,647.0	2.60	247.30	7,542.0	735.5	385.4	830.4	0.11	0.00	2.34	
7,742.0	2.50	241.30	7,636.9	733.7	381.6	827.0	0.30	-0.11	-6.32	
7,792.0	2.50	241.30	7,686.8	732.7	379.7	825.1	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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