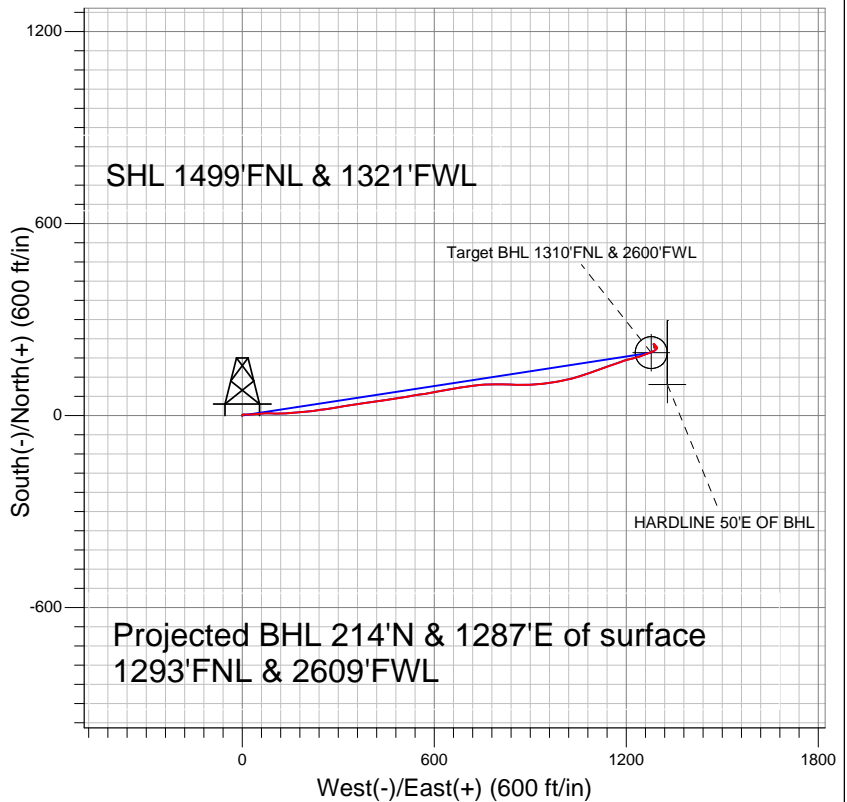


Anadarko, Adams County CO



LEGEND

- Talon View 21-9, Wellbore #1, Plan #1 (9-15-10) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
 8320'MD & 8129'TVD @ 1304' VS
 0.7 deg Inc 249.7 deg AZ

Project: SEC.9-T1S-R67W
 Site: Talon View 18-9 Pad Sec.9-T1S-R67W
 Well: Talon View 21-9
 Plan: Wellbore #1



Directional

Anadarko, Adams County CO

SEC.9-T1S-R67W

Talon View 18-9 Pad Sec.9-T1S-R67W

Talon View 21-9

Wellbore #1

Design: Wellbore #1

Standard Survey Report

11 October, 2010

Company:	Anadarko, Adams County CO	Local Co-ordinate Reference:	Well Talon View 21-9
Project:	SEC.9-T1S-R67W	TVD Reference:	WELL @ 5171.0ft (Original Well Elev)
Site:	Talon View 18-9 Pad Sec.9-T1S-R67W	MD Reference:	WELL @ 5171.0ft (Original Well Elev)
Well:	Talon View 21-9	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.9-T1S-R67W, Adams County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		Using Well Reference Point
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site		Talon View 18-9 Pad Sec.9-T1S-R67W			
Site Position:		Northing:	1,236,908.77 ft	Latitude:	39° 58' 55.668 N
From:	Lat/Long	Easting:	3,168,530.03 ft	Longitude:	104° 53' 54.924 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.39 °

Well	Talon View 21-9					
Well Position	+N-S	0.0 ft	Northing:	1,236,967.04 ft	Latitude:	39° 58' 56.244 N
	+E-W	0.0 ft	Easting:	3,168,529.63 ft	Longitude:	104° 53' 54.924 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,156.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/30/2010	8.99	66.71	52,968

Design	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	80.57	

Survey Program		Date	10/11/2010	
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
177.0	8,320.0	Survey #1 (Wellbore #1)		

Survey	Survey Data									
	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)
	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
	177.0	0.00	279.00	177.0	0.0	0.0	0.0	0.00	0.00	0.00
	270.0	0.40	308.10	270.0	0.2	-0.3	-0.2	0.43	0.43	0.00
	365.0	0.40	272.00	365.0	0.4	-0.8	-0.8	0.26	0.00	-38.00
	455.0	0.40	338.50	455.0	0.7	-1.3	-1.1	0.49	0.00	73.89
	545.0	0.60	33.10	545.0	1.4	-1.1	-0.9	0.55	0.22	60.67
	634.0	1.10	68.30	634.0	2.1	-0.1	0.3	0.79	0.56	39.55
	721.0	1.80	73.90	721.0	2.8	2.0	2.4	0.82	0.80	6.44
	812.0	2.50	89.10	811.9	3.2	5.4	5.8	0.99	0.77	16.70
	902.0	4.00	88.60	901.7	3.3	10.5	10.9	1.67	1.67	-0.56
	993.0	5.40	92.30	992.4	3.2	17.9	18.2	1.57	1.54	4.07
	1,081.0	6.90	89.70	1,079.9	3.1	27.3	27.5	1.73	1.70	-2.95
	1,170.0	8.60	83.60	1,168.1	3.9	39.3	39.4	2.12	1.91	-6.85

Company:	Anadarko, Adams County CO	Local Co-ordinate Reference:	Well Talon View 21-9
Project:	SEC.9-T1S-R67W	TVD Reference:	WELL @ 5171.0ft (Original Well Elev)
Site:	Talon View 18-9 Pad Sec.9-T1S-R67W	MD Reference:	WELL @ 5171.0ft (Original Well Elev)
Well:	Talon View 21-9	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	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)
1,261.0	9.70	82.40	1,258.0	5.6	53.7	53.9	1.23	1.21	-1.32
1,365.0	9.70	88.20	1,360.5	7.1	71.1	71.3	0.94	0.00	5.58
1,456.0	10.70	93.40	1,450.0	6.8	87.2	87.1	1.49	1.10	5.71
1,544.0	11.70	92.70	1,536.4	5.9	104.3	103.8	1.15	1.14	-0.80
1,633.0	13.60	85.70	1,623.2	6.3	123.7	123.1	2.74	2.13	-7.87
1,724.0	15.60	86.50	1,711.3	7.8	146.6	145.9	2.21	2.20	0.88
1,812.0	17.40	84.90	1,795.6	9.7	171.5	170.8	2.11	2.05	-1.82
1,902.0	18.60	84.90	1,881.2	12.2	199.2	198.5	1.33	1.33	0.00
1,991.0	20.50	81.40	1,965.1	15.8	228.8	228.3	2.51	2.13	-3.93
2,080.0	18.70	82.80	2,048.9	19.9	258.3	258.1	2.09	-2.02	1.57
2,170.0	19.20	81.60	2,134.0	23.9	287.3	287.3	0.70	0.56	-1.33
2,261.0	19.60	80.50	2,219.9	28.6	317.1	317.5	0.60	0.44	-1.21
2,352.0	18.70	79.30	2,305.8	33.8	346.5	347.4	1.08	-0.99	-1.32
2,441.0	18.70	82.70	2,390.2	38.3	374.7	375.9	1.22	0.00	3.82
2,530.0	19.00	81.70	2,474.4	42.2	403.2	404.7	0.50	0.34	-1.12
2,620.0	19.00	82.50	2,559.5	46.2	432.2	433.9	0.29	0.00	0.89
2,708.0	18.90	80.30	2,642.7	50.5	460.5	462.5	0.82	-0.11	-2.50
2,797.0	17.60	80.40	2,727.2	55.1	487.9	490.4	1.46	-1.46	0.11
2,886.0	18.20	81.20	2,811.9	59.5	514.9	517.7	0.73	0.67	0.90
2,976.0	17.30	80.30	2,897.6	63.9	542.0	545.2	1.05	-1.00	-1.00
3,067.0	18.60	83.10	2,984.2	67.9	569.8	573.2	1.71	1.43	3.08
3,156.0	19.50	77.70	3,068.3	72.8	598.4	602.2	2.22	1.01	-6.07
3,246.0	18.90	79.90	3,153.3	78.6	627.4	631.8	1.04	-0.67	2.44
3,335.0	17.80	81.40	3,237.8	83.1	655.1	659.8	1.34	-1.24	1.69
3,424.0	19.00	79.20	3,322.3	87.9	682.7	687.9	1.56	1.35	-2.47
3,513.0	18.80	84.50	3,406.5	92.0	711.2	716.7	1.94	-0.22	5.96
3,601.0	18.70	83.10	3,489.8	95.0	739.4	744.9	0.52	-0.11	-1.59
3,692.0	15.00	87.40	3,576.9	97.3	765.6	771.2	4.29	-4.07	4.73
3,782.0	14.90	90.10	3,663.8	97.8	788.8	794.2	0.78	-0.11	3.00
3,873.0	14.80	90.80	3,751.8	97.6	812.1	817.2	0.23	-0.11	0.77
3,963.0	15.80	90.70	3,838.6	97.3	835.9	840.5	1.11	1.11	-0.11
4,053.0	16.30	93.10	3,925.1	96.5	860.8	864.9	0.92	0.56	2.67
4,142.0	18.00	89.60	4,010.1	95.9	887.0	890.7	2.23	1.91	-3.93
4,233.0	18.90	86.10	4,096.5	97.0	915.7	919.3	1.57	0.99	-3.85
4,323.0	18.70	82.40	4,181.7	99.9	944.6	948.2	1.34	-0.22	-4.11
4,414.0	19.00	78.90	4,267.8	104.7	973.6	977.6	1.29	0.33	-3.85
4,502.0	18.60	80.00	4,351.1	109.9	1,001.5	1,005.9	0.61	-0.45	1.25
4,590.0	18.80	75.90	4,434.4	115.8	1,029.0	1,034.1	1.51	0.23	-4.66
4,679.0	18.60	70.50	4,518.8	124.0	1,056.3	1,062.4	1.96	-0.22	-6.07
4,768.0	18.00	73.40	4,603.3	132.7	1,082.9	1,090.0	1.23	-0.67	3.26
4,856.0	19.00	70.00	4,686.7	141.5	1,109.4	1,117.6	1.67	1.14	-3.86
4,946.0	17.20	70.10	4,772.2	151.0	1,135.7	1,145.1	2.00	-2.00	0.11
5,033.0	15.60	69.70	4,855.7	159.4	1,158.7	1,169.2	1.84	-1.84	-0.46
5,124.0	14.30	71.30	4,943.6	167.3	1,180.9	1,192.3	1.50	-1.43	1.76
5,214.0	13.00	73.90	5,031.1	173.7	1,201.1	1,213.3	1.60	-1.44	2.89
5,301.0	12.90	74.60	5,115.9	179.0	1,219.9	1,232.7	0.21	-0.11	0.80
5,392.0	10.30	75.60	5,205.0	183.7	1,237.5	1,250.9	2.87	-2.86	1.10
5,482.0	8.90	68.50	5,293.7	188.2	1,251.8	1,265.7	2.03	-1.56	-7.89
5,569.0	6.70	65.70	5,379.9	192.8	1,262.7	1,277.2	2.57	-2.53	-3.22
5,660.0	6.30	72.10	5,470.3	196.5	1,272.3	1,287.3	0.91	-0.44	7.03
5,748.0	4.90	62.30	5,557.9	199.7	1,280.2	1,295.6	1.92	-1.59	-11.14
5,839.0	4.60	67.60	5,648.6	202.9	1,287.0	1,302.9	0.58	-0.33	5.82
5,928.0	4.40	43.20	5,737.4	206.8	1,292.7	1,309.1	2.15	-0.22	-27.42
6,017.0	2.20	22.50	5,826.2	210.8	1,295.7	1,312.7	2.77	-2.47	-23.26

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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)	
6,108.0	2.20	308.00	5,917.1	213.5	1,295.0	1,312.4	2.93	0.00	-81.87	
6,190.7	1.71	338.59	5,999.8	215.7	1,293.3	1,311.1	1.37	-0.59	36.98	
Target BHL 1310'FNL & 2600'FWL										
6,196.0	1.70	341.00	6,005.1	215.8	1,293.2	1,311.1	1.37	-0.19	45.63	
6,286.0	1.50	305.30	6,095.1	217.8	1,291.8	1,310.0	1.11	-0.22	-39.67	
6,375.0	1.20	328.30	6,184.0	219.2	1,290.4	1,308.8	0.69	-0.34	25.84	
6,490.0	1.40	316.90	6,299.0	221.3	1,288.8	1,307.6	0.28	0.17	-9.91	
6,580.0	1.10	295.60	6,389.0	222.4	1,287.2	1,306.3	0.61	-0.33	-23.67	
6,669.0	0.44	289.13	6,478.0	222.9	1,286.1	1,305.3	0.75	-0.74	-7.27	
6,759.0	0.10	323.40	6,568.0	223.1	1,285.8	1,305.0	0.40	-0.38	38.08	
6,849.0	0.20	126.70	6,658.0	223.1	1,285.9	1,305.0	0.33	0.11	181.44	
6,938.0	0.40	166.80	6,747.0	222.7	1,286.1	1,305.2	0.31	0.22	45.06	
7,028.0	0.70	162.40	6,837.0	221.8	1,286.3	1,305.3	0.34	0.33	-4.89	
7,118.0	0.70	183.60	6,927.0	220.8	1,286.4	1,305.2	0.29	0.00	23.56	
7,208.0	1.36	149.50	7,017.0	219.3	1,286.9	1,305.5	0.97	0.73	-37.89	
7,299.0	1.10	150.20	7,107.9	217.6	1,287.9	1,306.2	0.29	-0.29	0.77	
7,389.0	0.80	151.40	7,197.9	216.3	1,288.6	1,306.7	0.33	-0.33	1.33	
7,480.0	0.80	189.90	7,288.9	215.1	1,288.8	1,306.7	0.58	0.00	42.31	
7,569.0	0.60	181.20	7,377.9	214.1	1,288.7	1,306.4	0.25	-0.22	-9.78	
7,657.0	0.90	187.10	7,465.9	212.9	1,288.6	1,306.1	0.35	0.34	6.70	
7,747.0	0.10	262.50	7,555.9	212.2	1,288.5	1,305.8	0.98	-0.89	83.78	
7,837.0	0.40	304.70	7,645.9	212.4	1,288.1	1,305.5	0.37	0.33	46.89	
7,928.0	0.30	354.60	7,736.9	212.8	1,287.8	1,305.3	0.34	-0.11	54.84	
8,018.0	0.20	9.30	7,826.9	213.2	1,287.8	1,305.4	0.13	-0.11	16.33	
8,108.0	0.40	20.80	7,916.9	213.6	1,288.0	1,305.6	0.23	0.22	12.78	
8,271.0	0.70	249.70	8,079.9	213.8	1,287.2	1,304.9	0.62	0.18	-80.43	
HARDLINE 50°E OF BHL										
8,320.0	0.70	249.70	8,128.9	213.6	1,286.7	1,304.3	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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