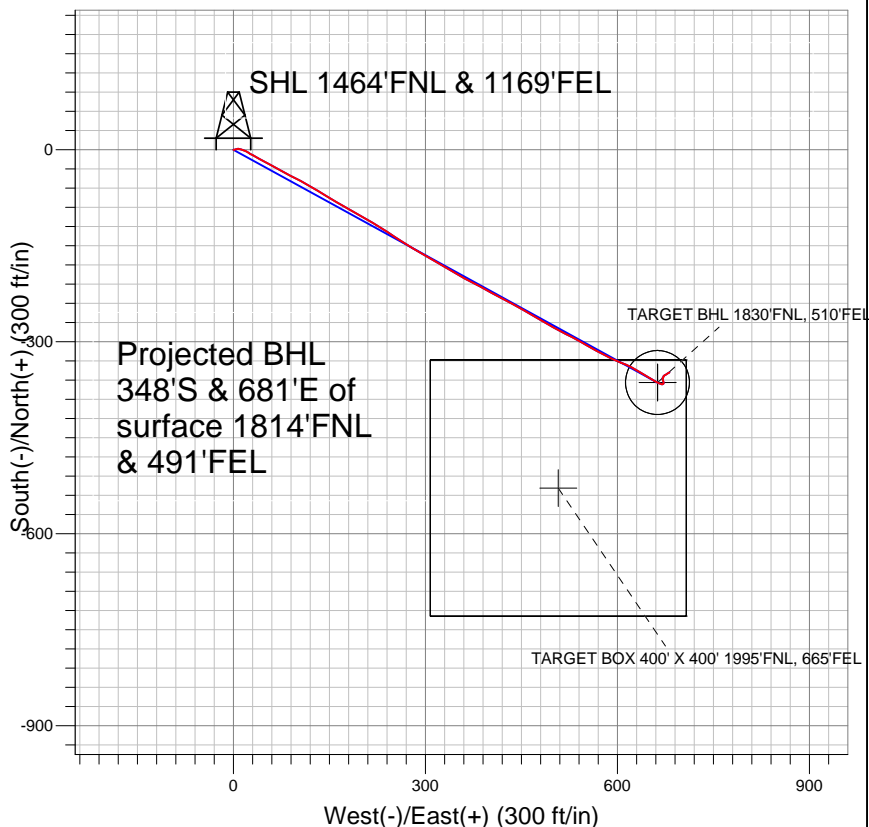


Anadarko, Weld County CO



LEGEND

- ◆ Badding 8-26, Wellbore #1, Plan #1 (5-9-11) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
8200'MD & 8129'TVD @ 765'VS
0.3 deg Inc 62.0 deg AZ

Project: SEC.26-T2N-R66W
Site: Badding 17-26 Pad Sec.26-T2N-R66W
Well: Badding 8-26
Plan: Wellbore #1



Directional

Anadarko, Weld County CO

SEC.26-T2N-R66W

Badding 17-26 Pad Sec.26-T2N-R66W

Badding 8-26

Wellbore #1

Survey: Survey #1

Standard Survey Report

13 June, 2011

Company:	Anadarko, Weld County CO	Local Co-ordinate Reference:	Well Badding 8-26
Project:	SEC.26-T2N-R66W	TVD Reference:	WELL @ 5081.0ft (Original Well Elev)
Site:	Badding 17-26 Pad Sec.26-T2N-R66W	MD Reference:	WELL @ 5081.0ft (Original Well Elev)
Well:	Badding 8-26	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.26-T2N-R66W, Weld 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	Badding 17-26 Pad Sec.26-T2N-R66W				
Site Position:		Northing:	1,284,730.44 ft	Latitude:	40.112471
From:	Lat/Long	Easting:	3,212,820.01 ft	Longitude:	-104.739081
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	0.49 °

Well	Badding 8-26					
Well Position	+N/-S	0.0 ft	Northing:	1,284,730.33 ft	Latitude:	40.112471
	+E/-W	0.0 ft	Easting:	3,212,809.94 ft	Longitude:	-104.739117
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,067.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/9/2011	8.84	66.83	52,992

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	118.75	

Survey Program	Date	6/13/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
149.0	8,200.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

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)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
149.0	0.60	110.40	149.0	-0.3	0.7	0.8	0.40	0.40	0.00	
241.0	1.10	56.50	241.0	0.0	1.9	1.7	0.97	0.54	-58.59	
334.0	2.30	72.10	333.9	1.1	4.4	3.4	1.37	1.29	16.77	
457.0	3.50	102.00	456.8	1.1	10.5	8.6	1.54	0.98	24.31	
546.0	4.20	111.70	545.6	-0.7	16.1	14.5	1.07	0.79	10.90	
634.0	5.10	121.50	633.3	-3.9	22.5	21.6	1.36	1.02	11.14	
723.0	6.50	119.00	721.8	-8.4	30.3	30.6	1.60	1.57	-2.81	
812.0	8.40	118.40	810.1	-14.0	40.4	42.1	2.14	2.13	-0.67	
900.0	9.10	118.50	897.1	-20.3	52.2	55.5	0.80	0.80	0.11	
989.0	10.00	118.70	984.8	-27.4	65.1	70.3	1.01	1.01	0.22	
1,077.0	9.60	119.10	1,071.5	-34.6	78.2	85.2	0.46	-0.45	0.45	
1,182.0	8.50	116.00	1,175.2	-42.3	92.9	101.8	1.15	-1.05	-2.95	

Company:	Anadarko, Weld County CO	Local Co-ordinate Reference:	Well Badding 8-26
Project:	SEC.26-T2N-R66W	TVD Reference:	WELL @ 5081.0ft (Original Well Elev)
Site:	Badding 17-26 Pad Sec.26-T2N-R66W	MD Reference:	WELL @ 5081.0ft (Original Well Elev)
Well:	Badding 8-26	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)
1,271.0	9.30	117.90	1,263.2	-48.6	105.1	115.5	0.96	0.90	2.13
1,360.0	9.90	121.00	1,350.9	-55.9	118.0	130.3	0.89	0.67	3.48
1,448.0	10.50	121.20	1,437.5	-63.9	131.4	145.9	0.68	0.68	0.23
1,537.0	11.20	120.20	1,524.9	-72.5	145.8	162.7	0.81	0.79	-1.12
1,625.0	11.90	121.10	1,611.2	-81.4	160.9	180.3	0.82	0.80	1.02
1,714.0	11.90	120.10	1,698.2	-90.8	176.7	198.6	0.23	0.00	-1.12
1,803.0	11.80	119.00	1,785.3	-99.8	192.6	216.9	0.28	-0.11	-1.24
1,891.0	11.40	118.80	1,871.5	-108.3	208.1	234.6	0.46	-0.45	-0.23
1,980.0	11.20	122.60	1,958.8	-117.2	223.1	252.0	0.87	-0.22	4.27
2,069.0	11.20	123.80	2,046.1	-126.7	237.6	269.2	0.26	0.00	1.35
2,157.0	11.30	122.50	2,132.4	-136.1	252.0	286.4	0.31	0.11	-1.48
2,246.0	11.00	122.30	2,219.8	-145.3	266.5	303.5	0.34	-0.34	-0.22
2,335.0	10.50	121.40	2,307.2	-154.1	280.6	320.1	0.59	-0.56	-1.01
2,423.0	11.10	119.60	2,393.6	-162.4	294.8	336.6	0.78	0.68	-2.05
2,512.0	11.00	119.80	2,481.0	-170.9	309.6	353.6	0.12	-0.11	0.22
2,600.0	11.40	119.10	2,567.3	-179.3	324.5	370.7	0.48	0.45	-0.80
2,689.0	11.60	122.10	2,654.5	-188.3	339.8	388.5	0.71	0.22	3.37
2,778.0	10.80	120.00	2,741.8	-197.3	354.6	405.7	1.01	-0.90	-2.36
2,866.0	11.80	115.80	2,828.1	-205.3	369.8	423.0	1.47	1.14	-4.77
2,955.0	12.20	118.80	2,915.2	-213.8	386.2	441.5	0.83	0.45	3.37
3,044.0	12.40	119.30	3,002.1	-223.0	402.8	460.4	0.25	0.22	0.56
3,132.0	12.50	118.30	3,088.1	-232.1	419.4	479.4	0.27	0.11	-1.14
3,221.0	11.80	117.40	3,175.1	-240.9	436.0	498.1	0.81	-0.79	-1.01
3,310.0	11.40	119.30	3,262.3	-249.4	451.7	516.0	0.62	-0.45	2.13
3,398.0	12.00	120.00	3,348.4	-258.2	467.3	533.8	0.70	0.68	0.80
3,487.0	11.30	121.40	3,435.6	-267.4	482.7	551.8	0.85	-0.79	1.57
3,576.0	12.00	119.70	3,522.8	-276.5	498.2	569.8	0.88	0.79	-1.91
3,664.0	11.60	116.00	3,608.9	-284.9	514.1	587.8	0.97	-0.45	-4.20
3,753.0	10.90	117.70	3,696.2	-292.7	529.6	605.1	0.87	-0.79	1.91
3,841.0	10.90	120.60	3,782.6	-300.8	544.1	621.7	0.62	0.00	3.30
3,930.0	12.60	118.20	3,869.7	-309.7	559.9	639.9	1.99	1.91	-2.70
4,019.0	11.30	118.70	3,956.8	-318.5	576.1	658.3	1.47	-1.46	0.56
4,107.0	10.50	116.40	4,043.2	-326.2	590.9	674.9	1.03	-0.91	-2.61
4,196.0	11.00	109.50	4,130.7	-332.6	606.1	691.4	1.55	0.56	-7.75
4,285.0	11.00	119.10	4,218.0	-339.6	621.5	708.3	2.06	0.00	10.79
4,373.0	10.50	121.10	4,304.5	-347.8	635.7	724.7	0.71	-0.57	2.27
4,462.0	9.50	120.70	4,392.1	-355.8	649.0	740.1	1.13	-1.12	-0.45
4,551.0	6.50	119.20	4,480.3	-362.0	659.7	752.5	3.38	-3.37	-1.69
4,639.0	3.60	109.20	4,567.9	-365.3	666.7	760.2	3.43	-3.30	-11.36
4,728.0	1.20	86.40	4,656.8	-366.2	670.3	763.8	2.85	-2.70	-25.62
4,816.0	0.70	30.40	4,789.8	-365.4	672.1	765.0	0.75	-0.38	-42.11
4,994.0	1.50	342.00	4,922.8	-363.0	671.9	763.7	0.87	0.60	-36.39
5,071.2	1.15	345.68	5,000.0	-361.3	671.4	762.4	0.47	-0.45	4.76
TARGET BHL 1830'FNL, 510'FEL									
5,127.0	0.90	350.10	5,055.8	-360.3	671.2	761.8	0.47	-0.45	7.93
5,260.0	1.20	350.20	5,188.7	-357.9	670.8	760.3	0.23	0.23	0.08
5,393.0	0.40	57.20	5,321.7	-356.3	670.9	759.6	0.83	-0.60	50.38
5,526.0	0.10	41.90	5,454.7	-356.0	671.4	759.9	0.23	-0.23	-11.50
5,659.0	0.20	357.70	5,587.7	-355.7	671.5	759.8	0.11	0.08	-33.23
5,792.0	0.70	18.40	5,720.7	-354.7	671.7	759.5	0.39	0.38	15.56
5,924.0	0.20	38.40	5,852.7	-353.7	672.1	759.4	0.39	-0.38	15.15
6,057.0	0.30	48.00	5,985.7	-353.3	672.5	759.6	0.08	0.08	7.22
6,190.0	0.30	55.00	6,118.7	-352.9	673.1	759.8	0.03	0.00	5.26
6,323.0	0.40	47.10	6,251.7	-352.4	673.7	760.1	0.08	0.08	-5.94

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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)
6,456.0	0.20	78.80	6,384.7	-352.0	674.3	760.5	0.19	-0.15	23.83
6,589.0	0.30	60.30	6,517.7	-351.8	674.8	760.8	0.10	0.08	-13.91
6,722.0	0.20	71.20	6,650.7	-351.5	675.3	761.2	0.08	-0.08	8.20
7,121.0	0.10	34.30	7,049.7	-351.0	676.2	761.7	0.03	-0.03	-9.25
7,252.9	0.10	12.48	7,181.6	-350.8	676.3	761.6	0.03	0.00	-16.54
TARGET BOX 400' X 400' 1995'FNL, 665'FEL									
7,253.3	0.10	12.42	7,182.0	-350.8	676.3	761.6	0.03	0.01	-16.15
TARGET CIRCLE 1830'FNL, 510'FEL									
7,254.0	0.10	12.30	7,182.7	-350.8	676.3	761.6	0.03	0.01	-16.14
7,387.0	0.20	60.50	7,315.7	-350.6	676.5	761.7	0.11	0.08	36.24
7,520.0	0.40	68.00	7,448.7	-350.3	677.1	762.1	0.15	0.15	5.64
7,653.0	0.50	62.80	7,581.7	-349.9	678.1	762.8	0.08	0.08	-3.91
7,786.0	0.50	43.60	7,714.7	-349.2	679.0	763.2	0.13	0.00	-14.44
7,919.0	0.40	69.10	7,847.7	-348.6	679.8	763.7	0.17	-0.08	19.17
8,052.0	0.30	62.00	7,980.7	-348.3	680.6	764.2	0.08	-0.08	-5.34
8,200.0	0.30	62.00	8,128.7	-347.9	681.2	764.6	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____