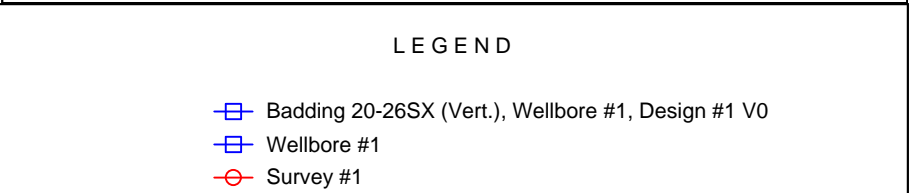
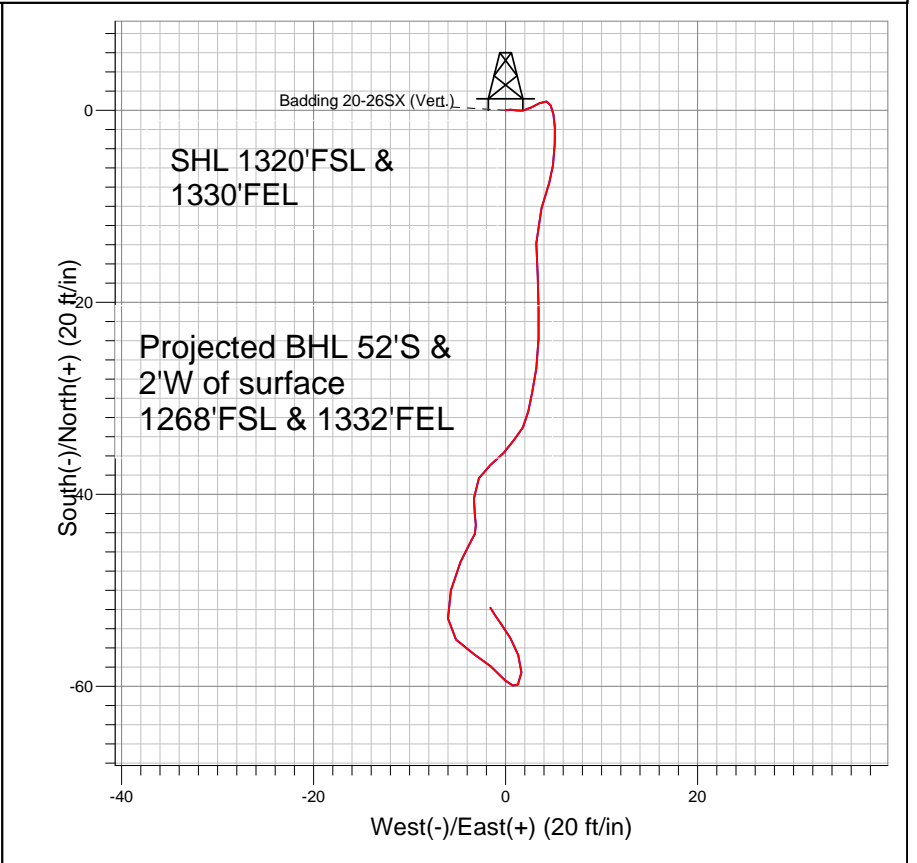


## Anadarko, Weld County CO



## Final Survey Plot

Projected Final Survey -  
 5130'MD & 5129'TVD @ 52'VS  
 1.2 deg Inc 329.0 deg AZ

Project: SEC.26-T2N-R66W  
 Site: Badding 20-26 Pad Sec.26-T2N-R66W  
 Well: Badding 20-26SX (Vert.)  
 Plan: Wellbore #1



## **Anadarko, Weld County CO**

**SEC.26-T2N-R66W**

**Badding 20-26 Pad Sec.26-T2N-R66W**

**Badding 20-26SX (Vert.)**

**Wellbore #1**

**Survey: Survey #1**

## **Standard Survey Report**

**16 May, 2011**



<b>Company:</b>	Anadarko, Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Badding 20-26SX (Vert.)
<b>Project:</b>	SEC.26-T2N-R66W	<b>TVD Reference:</b>	WELL @ 5102.0ft (Original Well Elev)
<b>Site:</b>	Badding 20-26 Pad Sec.26-T2N-R66W	<b>MD Reference:</b>	WELL @ 5102.0ft (Original Well Elev)
<b>Well:</b>	Badding 20-26SX (Vert.)	<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

<b>Project</b>	SEC.26-T2N-R66W, Weld County, Colorado		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		Using Well Reference Point
<b>Map Zone:</b>	Colorado Northern Zone		Using geodetic scale factor

<b>Site</b>	Badding 20-26 Pad Sec.26-T2N-R66W		
<b>Site Position:</b>		<b>Northing:</b>	1,282,247.28 ft
<b>From:</b>	Lat/Long	<b>Easting:</b>	3,212,676.00 ft
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	"
		<b>Latitude:</b>	40.105658
		<b>Longitude:</b>	-104.739672
		<b>Grid Convergence:</b>	0.49 °

<b>Well</b>	Badding 20-26SX (Vert.)		
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>
<b>Position Uncertainty</b>	0.0 ft	<b>Wellhead Elevation:</b>	ft
		<b>Latitude:</b>	40.105658
		<b>Longitude:</b>	-104.739637
		<b>Ground Level:</b>	5,088.0 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>
	IGRF2010	3/18/2011	8.86	66.82	53,003

<b>Design</b>	Wellbore #1				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<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	181.75	

<b>Survey Program</b>	<b>Date</b>	5/16/2011			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
118.0	5,130.0	Survey #1 (Wellbore #1)	MWD	MWD - Standard	

<b>Survey</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>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100ft)</b>	<b>Build Rate (°/100ft)</b>	<b>Turn Rate (°/100ft)</b>	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
118.0	0.50	82.87	118.0	0.1	0.5	-0.1	0.42	0.42	0.00	
210.0	0.40	115.80	210.0	0.0	1.2	0.0	0.30	-0.11	35.79	
303.0	0.40	65.50	303.0	0.0	1.8	0.0	0.37	0.00	-54.09	
413.0	0.60	73.20	413.0	0.3	2.7	-0.4	0.19	0.18	7.00	
501.0	0.70	53.60	501.0	0.7	3.6	-0.9	0.28	0.11	-22.27	
590.0	0.40	118.20	590.0	0.9	4.3	-1.1	0.72	-0.34	72.58	
679.0	0.40	151.40	679.0	0.5	4.7	-0.6	0.26	0.00	37.30	
767.0	0.90	167.70	767.0	-0.4	5.0	0.3	0.60	0.57	18.52	
856.0	0.90	179.80	856.0	-1.8	5.1	1.7	0.21	0.00	13.60	
945.0	1.30	181.10	944.9	-3.5	5.1	3.4	0.45	0.45	1.46	
1,033.0	1.60	187.20	1,032.9	-5.8	4.9	5.6	0.38	0.34	6.93	
1,094.0	1.90	195.90	1,093.9	-7.6	4.6	7.4	0.66	0.49	14.26	

<b>Company:</b>	Anadarko, Weld County CO	<b>Local Co-ordinate Reference:</b>	Well Badding 20-26SX (Vert.)
<b>Project:</b>	SEC.26-T2N-R66W	<b>TVD Reference:</b>	WELL @ 5102.0ft (Original Well Elev)
<b>Site:</b>	Badding 20-26 Pad Sec.26-T2N-R66W	<b>MD Reference:</b>	WELL @ 5102.0ft (Original Well Elev)
<b>Well:</b>	Badding 20-26SX (Vert.)	<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)
1,183.0	1.70	198.20	1,182.8	-10.2	3.7	10.1	0.24	-0.22	2.58
1,316.0	1.50	178.00	1,315.8	-13.9	3.2	13.8	0.45	-0.15	-15.19
1,449.0	1.50	176.60	1,448.7	-17.3	3.4	17.2	0.03	0.00	-1.05
1,582.0	1.40	180.60	1,581.7	-20.7	3.4	20.6	0.11	-0.08	3.01
1,713.0	1.30	179.10	1,712.7	-23.8	3.5	23.7	0.08	-0.08	-1.15
1,846.0	1.40	189.60	1,845.6	-26.9	3.2	26.8	0.20	0.08	7.89
1,977.0	0.90	190.10	1,976.6	-29.5	2.8	29.4	0.38	-0.38	0.38
2,110.0	0.80	193.20	2,109.6	-31.4	2.4	31.3	0.08	-0.08	2.33
2,243.0	0.70	206.10	2,242.6	-33.0	1.8	33.0	0.15	-0.08	9.70
2,375.0	0.70	224.00	2,374.6	-34.4	0.9	34.3	0.16	0.00	13.56
2,508.0	0.80	215.30	2,507.6	-35.7	-0.2	35.7	0.11	0.08	-6.54
2,641.0	0.80	238.30	2,640.5	-36.9	-1.6	37.0	0.24	0.00	17.29
2,772.0	0.90	206.10	2,771.5	-38.3	-2.8	38.4	0.37	0.08	-24.58
2,905.0	1.00	182.50	2,904.5	-40.4	-3.3	40.5	0.30	0.08	-17.74
3,038.0	0.50	166.20	3,037.5	-42.2	-3.2	42.2	0.41	-0.38	-12.26
3,171.0	0.40	184.10	3,170.5	-43.2	-3.1	43.3	0.13	-0.08	13.46
3,304.0	0.40	189.10	3,303.5	-44.1	-3.2	44.2	0.03	0.00	3.76
3,437.0	0.60	220.30	3,436.5	-45.1	-3.7	45.2	0.25	0.15	23.46
3,570.0	1.30	199.80	3,569.5	-47.1	-4.7	47.2	0.58	0.53	-15.41
3,703.0	1.40	198.10	3,702.4	-50.0	-5.7	50.2	0.08	0.08	-1.28
3,836.0	1.20	171.20	3,835.4	-52.9	-6.0	53.1	0.48	-0.15	-20.23
3,969.0	0.90	142.90	3,968.4	-55.1	-5.2	55.3	0.44	-0.23	-21.28
4,102.0	1.20	118.90	4,101.4	-56.7	-3.3	56.7	0.40	0.23	-18.05
4,235.0	0.70	137.10	4,234.3	-57.9	-1.5	57.9	0.43	-0.38	13.68
4,368.0	1.10	132.80	4,367.3	-59.4	0.0	59.4	0.30	0.30	-3.23
4,501.0	0.50	41.40	4,500.3	-59.8	1.3	59.7	0.92	-0.45	-68.72
4,634.0	0.70	359.60	4,633.3	-58.6	1.7	58.5	0.35	0.15	-31.43
4,767.0	0.90	341.10	4,766.3	-56.8	1.3	56.7	0.24	0.15	-13.91
4,900.0	0.80	330.00	4,899.3	-55.0	0.5	54.9	0.14	-0.08	-8.35
5,033.0	0.90	323.40	5,032.3	-53.3	-0.6	53.3	0.11	0.08	-4.96
5,084.0	1.10	326.20	5,083.3	-52.6	-1.1	52.6	0.40	0.39	5.49
5,130.0	1.20	329.00	5,129.2	-51.8	-1.6	51.8	0.25	0.22	6.09

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_