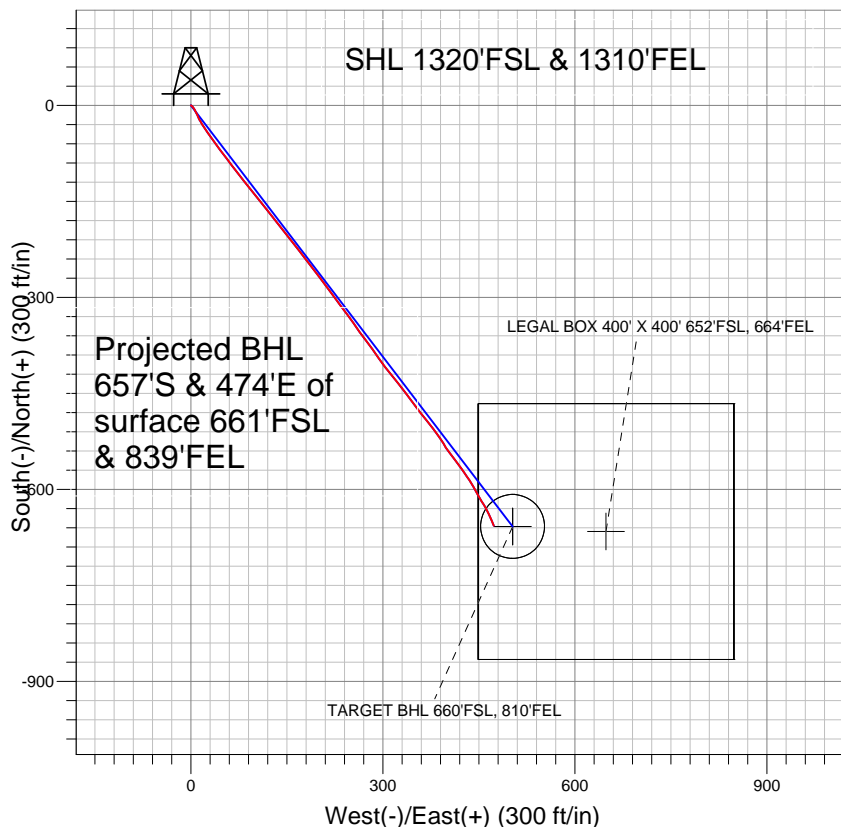


Anadarko, Weld County CO



LEGEND

- ◆ Badding 16-26SX, Wellbore #1, Plan #2 (3-25-11) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
5175'MD & 5105'TVD @ 809'VS
6.5 deg Inc 157.2 deg AZ

Project: SEC.26-T2N-R66W
Site: Badding 20-26 Pad Sec.26-T2N-R66W
Well: Badding 16-26SX
Plan: Wellbore #1



Anadarko, Weld County CO

SEC.26-T2N-R66W

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

Badding 16-26SX

Wellbore #1

Survey: Survey #1

Standard Survey Report

09 May, 2011



Company:	Anadarko, Weld County CO	Local Co-ordinate Reference:	Well Badding 16-26SX
Project:	SEC.26-T2N-R66W	TVD Reference:	WELL @ 5102.0ft (Original Well Elev)
Site:	Badding 20-26 Pad Sec.26-T2N-R66W	MD Reference:	WELL @ 5102.0ft (Original Well Elev)
Well:	Badding 16-26SX	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 20-26 Pad Sec.26-T2N-R66W		
Site Position:		Northing:	1,282,247.28 ft
From:	Lat/Long	Easting:	3,212,676.00 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40.105658
		Longitude:	-104.739672
		Grid Convergence:	0.49 °

Well	Badding 16-26SX		
Well Position	+N/-S	0.0 ft	Northing: 1,282,247.52 ft
	+E/-W	0.0 ft	Easting: 3,212,705.93 ft
Position Uncertainty	0.0 ft	Wellhead Elevation:	ft
		Latitude:	40.105658
		Longitude:	-104.739565
		Ground Level:	5,088.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/18/2011	8.86	66.82	53,003

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	142.62	

Survey Program	Date	5/9/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
118.0	5,175.0	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	
118.0	0.70	109.50	118.0	-0.2	0.7	0.6	0.59	0.59	0.00	
210.0	1.60	136.40	210.0	-1.4	2.1	2.4	1.12	0.98	29.24	
303.0	2.50	145.50	302.9	-4.0	4.1	5.7	1.03	0.97	9.78	
413.0	3.90	152.60	412.7	-9.3	7.2	11.7	1.32	1.27	6.45	
501.0	4.60	155.20	500.5	-15.1	10.1	18.1	0.82	0.80	2.95	
590.0	5.00	153.90	589.2	-21.9	13.3	25.4	0.47	0.45	-1.46	
679.0	6.00	146.60	677.8	-29.2	17.5	33.9	1.37	1.12	-8.20	
767.0	7.20	147.30	765.2	-37.7	23.1	44.0	1.37	1.36	0.80	
856.0	8.00	145.60	853.4	-47.5	29.6	55.7	0.93	0.90	-1.91	
945.0	8.80	143.20	941.5	-58.1	37.1	68.7	0.98	0.90	-2.70	
1,033.0	10.00	143.10	1,028.3	-69.6	45.8	83.1	1.36	1.36	-0.11	
1,122.0	11.00	142.50	1,115.8	-82.5	55.6	99.3	1.13	1.12	-0.67	

Company:	Anadarko, Weld County CO	Local Co-ordinate Reference:	Well Badding 16-26SX
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Site:	Badding 20-26 Pad Sec.26-T2N-R66W	MD Reference:	WELL @ 5102.0ft (Original Well Elev)
Well:	Badding 16-26SX	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)
1,199.0	10.50	143.90	1,191.4	-94.0	64.2	113.6	0.73	-0.65	1.82
1,288.0	9.90	141.80	1,279.0	-106.5	73.7	129.4	0.79	-0.67	-2.36
1,377.0	10.20	142.20	1,366.7	-118.8	83.3	144.9	0.35	0.34	0.45
1,465.0	10.30	141.30	1,453.3	-131.1	92.9	160.6	0.21	0.11	-1.02
1,554.0	10.00	139.80	1,540.9	-143.2	102.9	176.3	0.45	-0.34	-1.69
1,643.0	10.50	141.00	1,628.4	-155.4	113.0	192.1	0.61	0.56	1.35
1,729.0	11.20	142.30	1,712.9	-168.1	123.0	208.3	0.86	0.81	1.51
1,818.0	11.70	143.10	1,800.1	-182.1	133.7	225.9	0.59	0.56	0.90
1,907.0	12.00	142.30	1,887.2	-196.7	144.8	244.2	0.38	0.34	-0.90
1,995.0	11.90	140.30	1,973.3	-210.9	156.2	262.4	0.48	-0.11	-2.27
2,082.0	11.50	141.50	2,058.5	-224.6	167.3	280.1	0.54	-0.46	1.38
2,170.0	10.90	141.50	2,144.8	-238.0	178.0	297.1	0.68	-0.68	0.00
2,259.0	10.70	143.70	2,232.3	-251.2	188.1	313.8	0.51	-0.22	2.47
2,348.0	10.80	143.80	2,319.7	-264.6	197.9	330.4	0.11	0.11	0.11
2,436.0	10.50	142.60	2,406.2	-277.6	207.7	346.7	0.42	-0.34	-1.36
2,525.0	10.60	143.40	2,493.7	-290.6	217.5	363.0	0.20	0.11	0.90
2,614.0	9.80	144.60	2,581.3	-303.4	226.7	378.7	0.93	-0.90	1.35
2,702.0	9.80	142.80	2,668.0	-315.5	235.6	393.7	0.35	0.00	-2.05
2,791.0	10.20	142.50	2,755.6	-327.7	245.0	409.2	0.45	0.45	-0.34
2,878.0	10.80	145.70	2,841.2	-340.6	254.3	425.0	0.96	0.69	3.68
2,966.0	10.20	143.90	2,927.7	-353.7	263.5	441.0	0.78	-0.68	-2.05
3,055.0	11.00	142.80	3,015.2	-366.8	273.3	457.4	0.93	0.90	-1.24
3,143.0	11.60	143.70	3,101.5	-380.6	283.6	474.6	0.71	0.68	1.02
3,232.0	11.30	146.70	3,188.7	-395.1	293.7	492.3	0.75	-0.34	3.37
3,321.0	10.90	142.30	3,276.1	-409.1	303.6	509.4	1.05	-0.45	-4.94
3,409.0	10.50	140.00	3,362.5	-421.8	313.9	525.7	0.66	-0.45	-2.61
3,498.0	10.60	143.30	3,450.0	-434.6	324.0	542.0	0.69	0.11	3.71
3,587.0	9.90	141.90	3,537.6	-447.2	333.6	557.8	0.83	-0.79	-1.57
3,675.0	9.20	141.80	3,624.4	-458.7	342.6	572.4	0.80	-0.80	-0.11
3,764.0	9.60	144.10	3,712.2	-470.3	351.3	587.0	0.62	0.45	2.58
3,853.0	9.40	142.40	3,800.0	-482.0	360.1	601.7	0.39	-0.22	-1.91
3,941.0	9.80	140.40	3,886.7	-493.5	369.3	616.3	0.59	0.45	-2.27
4,030.0	9.40	143.00	3,974.5	-505.1	378.5	631.2	0.66	-0.45	2.92
4,118.0	8.80	143.70	4,061.4	-516.3	386.8	645.1	0.69	-0.68	0.80
4,207.0	9.50	149.90	4,149.2	-528.1	394.5	659.2	1.36	0.79	6.97
4,296.0	10.70	143.90	4,236.9	-541.2	403.1	674.7	1.79	1.35	-6.74
4,384.0	11.20	142.50	4,323.3	-554.5	413.1	691.4	0.64	0.57	-1.59
4,473.0	10.50	144.20	4,410.7	-568.0	423.1	708.2	0.86	-0.79	1.91
4,562.0	9.20	146.50	4,498.4	-580.5	431.8	723.4	1.53	-1.46	2.58
4,650.0	9.40	148.80	4,585.2	-592.5	439.4	737.6	0.48	0.23	2.61
4,682.3	9.58	149.85	4,617.1	-597.1	442.1	742.9	0.77	0.55	3.25
TARGET CIRCLE 660'FSL, 810'FEL									
4,695.7	9.65	150.27	4,630.3	-599.0	443.2	745.1	0.77	0.56	3.16
LEGAL BOX 400' X 400' 652'FSL, 664'FEL									
4,739.0	9.90	151.60	4,672.9	-605.5	446.8	752.3	0.77	0.57	3.06
4,828.0	9.00	147.80	4,760.7	-618.1	454.1	766.8	1.23	-1.01	-4.27
4,916.0	7.20	150.50	4,847.9	-628.7	460.5	779.1	2.09	-2.05	3.07
5,005.0	7.20	154.80	4,936.2	-638.6	465.6	790.1	0.61	0.00	4.83
5,094.0	6.50	157.20	5,024.5	-648.3	469.9	800.5	0.85	-0.79	2.70
5,171.4	6.50	157.20	5,101.5	-656.4	473.3	808.9	0.00	0.00	0.00
TARGET BHL 660'FSL, 810'FEL									
5,175.0	6.50	157.20	5,105.0	-656.7	473.5	809.3	0.00	0.00	0.00

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Checked By: _____ Approved By: _____ Date: _____