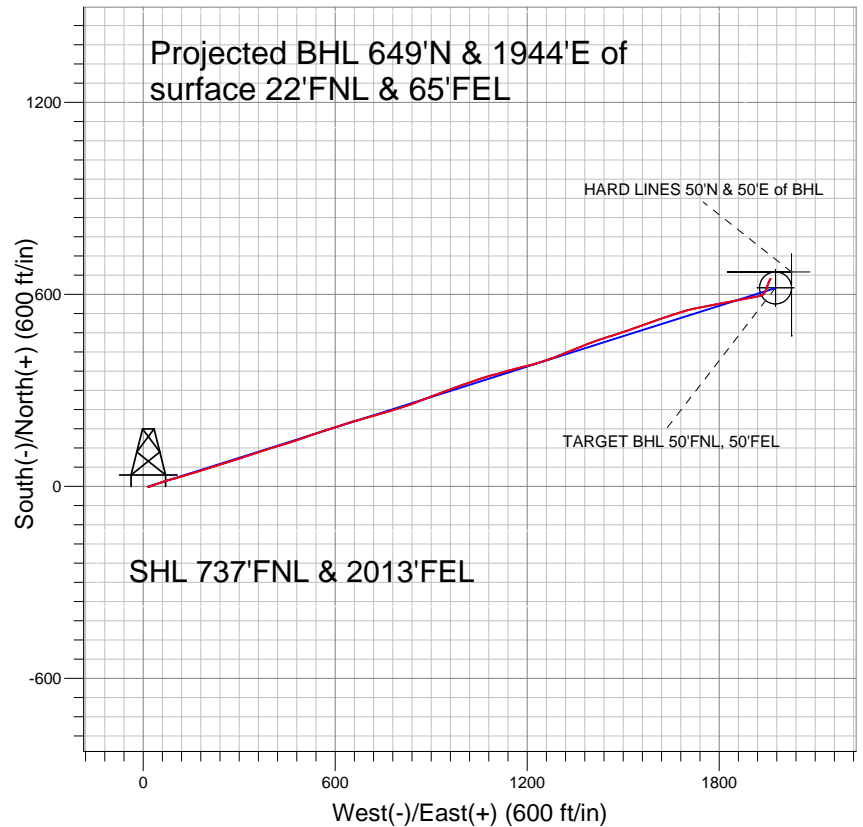


Anadarko, Weld County CO

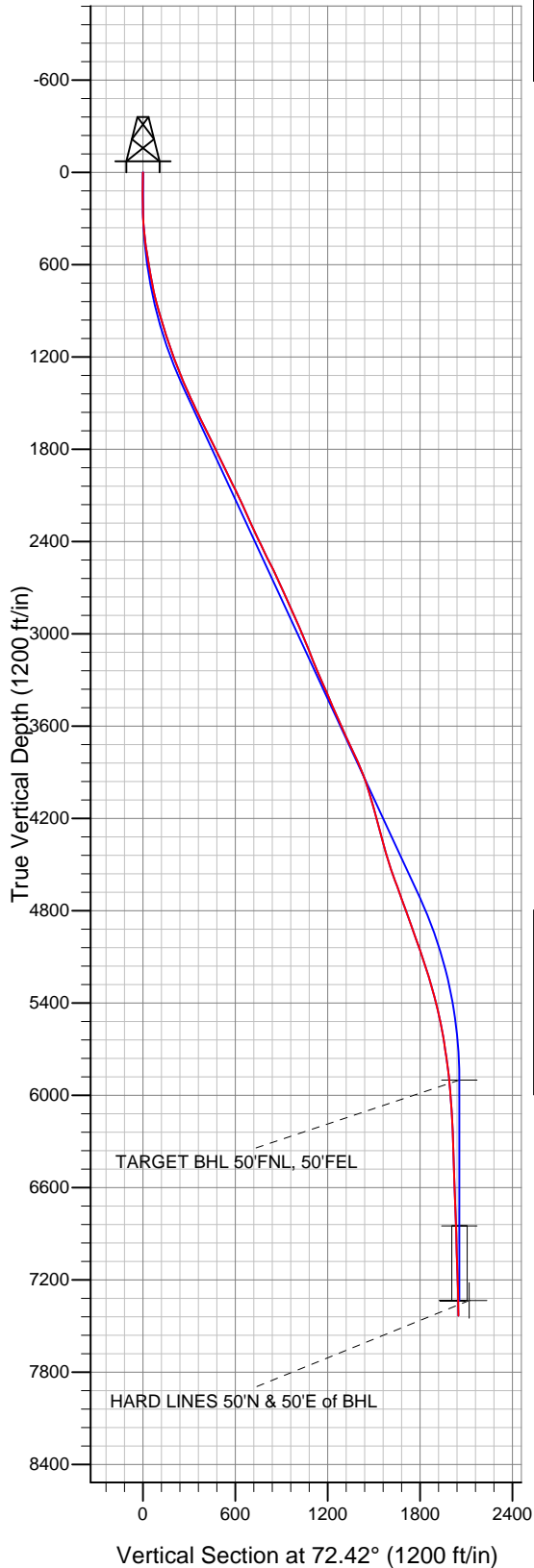


LEGEND

- + Diocese 26-16, Wellbore #1, Plan #1 (11-29-10) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
7810'MD & 7433'TVD @ 2050' VS
1.6 deg Inc 34.6 deg AZ



Project: SEC.16-T4N-R67W
Site: Diocese 2-16 Pad Sec.16-T4N-R67W
Well: Diocese 26-16
Plan: Wellbore #1



Directional

Anadarko, Weld County CO

SEC.16-T4N-R67W

Diocese 2-16 Pad Sec.16-T4N-R67W

Diocese 26-16

Wellbore #1

Survey: Survey #1

Standard Survey Report

04 January, 2011

Company:	Anadarko, Weld County CO	Local Co-ordinate Reference:	Site Diocese 2-16 Pad Sec.16-T4N-R67W
Project:	SEC.16-T4N-R67W	TVD Reference:	WELL @ 4847.0ft (Original Well Elev)
Site:	Diocese 2-16 Pad Sec.16-T4N-R67W	MD Reference:	WELL @ 4847.0ft (Original Well Elev)
Well:	Diocese 26-16	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Project	SEC.16-T4N-R67W, 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	Diocese 2-16 Pad Sec.16-T4N-R67W		
Site Position:		Northing:	1,359,220.95 ft
From:	Lat/Long	Easting:	3,169,041.20 ft
Position Uncertainty:	0.0 ft	Slot Radius:	"
		Latitude:	40° 19' 4.354 N
		Longitude:	104° 53' 37.615 W
		Grid Convergence:	0.39 °

Well	Diocese 26-16		
Well Position	+N/-S	-0.7 ft	Northing: 1,359,220.33 ft
	+E/-W	16.2 ft	Easting: 3,169,057.38 ft
Position Uncertainty		0.0 ft	Wellhead Elevation: ft
			Latitude: 40° 19' 4.346 N
			Longitude: 104° 53' 37.406 W
			Ground Level: 4,833.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	12/2/2010	9.00	66.98	53,131

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	-0.7	16.2	72.42	

Survey Program	Date	1/4/2011			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
139.0	7,810.0	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	-0.7	16.2	0.0	0.00	0.00	0.00	
139.0	0.80	230.10	139.0	-1.4	15.4	-0.9	0.58	0.58	0.00	
232.0	1.20	94.80	232.0	-1.9	15.9	-0.6	2.00	0.43	-145.48	
325.0	3.70	71.70	324.9	-1.0	19.7	3.3	2.84	2.69	-24.84	
446.0	6.90	67.60	445.4	3.0	30.2	14.5	2.66	2.64	-3.39	
535.0	8.80	71.20	533.5	7.2	41.5	26.6	2.20	2.13	4.04	
624.0	10.80	72.00	621.2	12.0	55.9	41.7	2.25	2.25	0.90	
712.0	10.00	70.60	707.8	17.1	71.0	57.6	0.95	-0.91	-1.59	
803.0	13.10	76.20	796.9	22.2	88.4	75.8	3.62	3.41	6.15	
891.0	15.70	72.60	882.2	28.1	109.5	97.7	3.12	2.95	-4.09	
980.0	16.30	72.50	967.7	35.5	132.9	122.2	0.67	0.67	-0.11	
1,068.0	18.10	74.80	1,051.8	42.8	157.9	148.2	2.19	2.05	2.61	
1,157.0	18.80	73.60	1,136.2	50.4	185.0	176.4	0.89	0.79	-1.35	

Company:	Anadarko, Weld County CO	Local Co-ordinate Reference:	Site Diocese 2-16 Pad Sec.16-T4N-R67W
Project:	SEC.16-T4N-R67W	TVD Reference:	WELL @ 4847.0ft (Original Well Elev)
Site:	Diocese 2-16 Pad Sec.16-T4N-R67W	MD Reference:	WELL @ 4847.0ft (Original Well Elev)
Well:	Diocese 26-16	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)
1,246.0	20.90	72.90	1,219.9	59.2	213.9	206.6	2.37	2.36	-0.79
1,334.0	21.90	71.00	1,301.8	69.1	244.4	238.7	1.38	1.14	-2.16
1,423.0	23.40	72.00	1,384.0	80.0	276.9	272.9	1.74	1.69	1.12
1,512.0	25.50	73.30	1,465.0	91.0	312.1	309.8	2.44	2.36	1.46
1,600.0	24.50	70.80	1,544.7	102.4	347.5	347.0	1.65	-1.14	-2.84
1,689.0	26.40	72.50	1,625.1	114.4	383.8	385.2	2.29	2.13	1.91
1,778.0	26.70	73.30	1,704.7	126.1	421.8	425.0	0.52	0.34	0.90
1,866.0	26.10	72.60	1,783.5	137.6	459.2	464.1	0.77	-0.68	-0.80
1,955.0	25.60	69.80	1,863.6	150.1	495.9	502.9	1.48	-0.56	-3.15
2,043.0	26.10	71.70	1,942.8	162.7	532.1	541.2	1.10	0.57	2.16
2,132.0	26.10	71.90	2,022.8	175.0	569.3	580.4	0.10	0.00	0.22
2,221.0	25.00	72.20	2,103.1	186.8	605.9	618.8	1.24	-1.24	0.34
2,309.0	25.00	73.40	2,182.8	197.8	641.4	656.0	0.58	0.00	1.36
2,398.0	24.30	73.10	2,263.7	208.5	676.9	693.1	0.80	-0.79	-0.34
2,487.0	24.70	74.40	2,344.7	218.8	712.4	730.0	0.75	0.45	1.46
2,575.0	25.50	74.50	2,424.4	228.8	748.3	767.3	0.91	0.91	0.11
2,664.0	26.70	72.40	2,504.3	240.0	785.8	806.4	1.70	1.35	-2.36
2,753.0	26.80	72.10	2,583.8	252.2	824.0	846.5	0.19	0.11	-0.34
2,841.0	24.80	69.50	2,663.0	264.7	860.2	884.8	2.61	-2.27	-2.95
2,930.0	23.10	66.90	2,744.3	278.1	893.7	920.8	2.25	-1.91	-2.92
3,019.0	24.40	68.80	2,825.8	291.6	926.9	956.5	1.69	1.46	2.13
3,107.0	25.10	71.00	2,905.7	304.3	961.5	993.3	1.31	0.80	2.50
3,196.0	22.50	71.40	2,987.1	315.9	995.5	1,029.2	2.93	-2.92	0.45
3,284.0	22.20	71.00	3,068.5	326.6	1,027.2	1,062.7	0.38	-0.34	-0.45
3,373.0	21.50	69.70	3,151.1	337.8	1,058.4	1,095.8	0.96	-0.79	-1.46
3,462.0	22.90	76.30	3,233.6	347.5	1,090.5	1,129.3	3.21	1.57	7.42
3,550.0	23.30	73.30	3,314.5	356.6	1,123.8	1,163.8	1.41	0.45	-3.41
3,639.0	23.80	75.60	3,396.1	366.1	1,158.1	1,199.4	1.18	0.56	2.58
3,728.0	23.60	76.30	3,477.6	374.8	1,192.8	1,235.1	0.39	-0.22	0.79
3,816.0	23.30	72.30	3,558.3	384.3	1,226.5	1,270.0	1.84	-0.34	-4.55
3,905.0	25.30	71.70	3,639.4	395.6	1,261.3	1,306.7	2.26	2.25	-0.67
3,994.0	24.40	70.90	3,720.2	407.6	1,296.7	1,344.1	1.08	-1.01	-0.90
4,082.0	24.90	67.30	3,800.2	420.7	1,331.0	1,380.7	1.80	0.57	-4.09
4,171.0	22.80	67.40	3,881.6	434.5	1,364.2	1,416.5	2.36	-2.36	0.11
4,259.0	19.10	67.10	3,963.7	446.7	1,393.2	1,447.9	4.21	-4.20	-0.34
4,348.0	16.30	71.50	4,048.5	456.3	1,418.5	1,474.8	3.48	-3.15	4.94
4,437.0	16.00	73.20	4,134.0	463.8	1,442.1	1,499.6	0.63	-0.34	1.91
4,525.0	15.00	74.20	4,218.8	470.4	1,464.6	1,523.1	1.18	-1.14	1.14
4,614.0	13.80	70.90	4,305.0	477.1	1,485.7	1,545.2	1.63	-1.35	-3.71
4,703.0	15.90	68.90	4,391.0	484.9	1,507.1	1,568.0	2.43	2.36	-2.25
4,791.0	18.20	70.90	4,475.2	493.8	1,531.4	1,593.8	2.70	2.61	2.27
4,880.0	19.60	71.80	4,559.4	503.0	1,558.7	1,622.6	1.61	1.57	1.01
4,969.0	19.10	69.80	4,643.3	512.7	1,586.5	1,652.1	0.93	-0.56	-2.25
5,057.0	19.90	70.60	4,726.3	522.6	1,614.2	1,681.4	0.96	0.91	0.91
5,146.0	20.40	73.00	4,809.8	532.2	1,643.3	1,712.1	1.09	0.56	2.70
5,235.0	19.50	71.30	4,893.5	541.5	1,672.2	1,742.5	1.20	-1.01	-1.91
5,323.0	18.70	74.20	4,976.7	550.0	1,699.7	1,771.2	1.41	-0.91	3.30
5,412.0	19.24	78.60	5,060.8	556.8	1,727.8	1,800.1	1.72	0.61	4.94
5,500.0	18.60	78.50	5,144.1	562.5	1,755.8	1,828.5	0.73	-0.73	-0.11
5,589.0	17.60	81.10	5,228.7	567.4	1,783.0	1,855.9	1.44	-1.12	2.92
5,678.0	16.10	78.20	5,313.8	572.0	1,808.3	1,881.4	1.93	-1.69	-3.26
5,766.0	13.80	78.60	5,398.9	576.6	1,830.6	1,904.0	2.62	-2.61	0.45
5,855.0	12.10	79.60	5,485.6	580.3	1,850.2	1,923.8	1.93	-1.91	1.12
5,944.0	10.70	79.80	5,572.8	583.5	1,867.5	1,941.3	1.57	-1.57	0.22

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Well:	Diocese 26-16	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)	
6,032.0	9.30	77.90	5,659.5	586.4	1,882.5	1,956.5	1.63	-1.59	-2.16	
6,121.0	8.20	80.40	5,747.5	589.0	1,895.7	1,969.9	1.31	-1.24	2.81	
6,210.0	7.40	78.00	5,835.6	591.2	1,907.6	1,981.9	0.97	-0.90	-2.70	
6,282.0	5.81	79.45	5,907.2	592.9	1,915.7	1,990.1	2.22	-2.21	2.02	
TARGET BHL 50'FNL, 50'FEL										
6,305.0	5.30	80.10	5,930.0	593.3	1,917.9	1,992.3	2.22	-2.21	2.81	
6,394.0	4.10	74.90	6,018.7	594.8	1,925.0	1,999.6	1.43	-1.35	-5.84	
6,473.0	3.60	69.70	6,097.6	596.4	1,930.1	2,004.9	0.77	-0.63	-6.58	
6,606.0	2.70	57.00	6,230.4	599.5	1,936.6	2,012.1	0.85	-0.68	-9.55	
6,739.0	2.20	41.60	6,363.2	603.2	1,941.0	2,017.3	0.62	-0.38	-11.58	
6,872.0	2.30	22.80	6,496.1	607.5	1,943.7	2,021.2	0.56	0.08	-14.14	
7,005.0	3.30	18.10	6,629.0	613.6	1,945.9	2,025.2	0.77	0.75	-3.53	
7,138.0	3.70	17.60	6,761.7	621.4	1,948.4	2,029.9	0.30	0.30	-0.38	
7,225.6	3.24	20.89	6,849.2	626.4	1,950.1	2,033.0	0.58	-0.53	3.76	
TARGET CIRCLE 50'FNL, 50'FEL										
7,271.0	3.00	23.00	6,894.5	628.7	1,951.1	2,034.6	0.58	-0.52	4.64	
7,404.0	2.80	21.10	7,027.3	634.9	1,953.6	2,038.9	0.17	-0.15	-1.43	
7,537.0	2.50	26.10	7,160.2	640.5	1,956.0	2,042.9	0.28	-0.23	3.76	
7,670.0	1.90	29.80	7,293.1	645.0	1,958.4	2,046.6	0.46	-0.45	2.78	
7,711.6	1.76	31.82	7,334.7	646.2	1,959.1	2,047.6	0.37	-0.34	4.84	
HARD LINES 50'N & 50'E of BHL										
7,760.0	1.60	34.60	7,383.1	647.4	1,959.9	2,048.7	0.37	-0.33	5.75	
7,810.0	1.60	34.60	7,433.0	648.5	1,960.7	2,049.8	0.00	0.00	0.00	

Checked By: _____ Approved By: _____ Date: _____