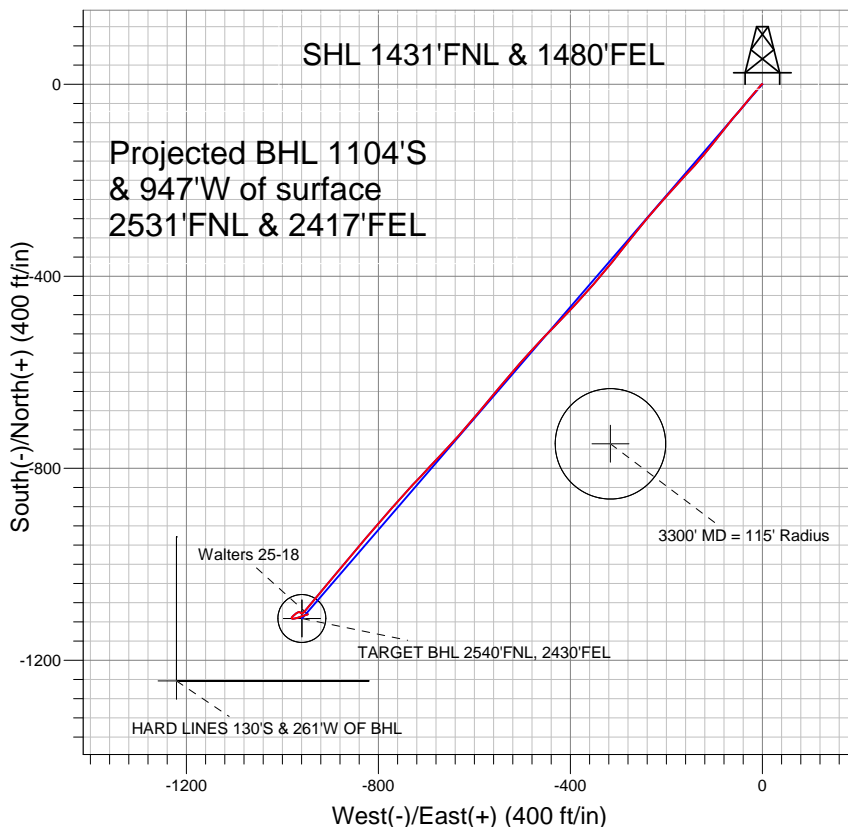


Anadarko, Weld County CO



LEGEND

- Walters 25-18, Wellbore #1, Plan #3 (7-27-11) V0
- Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
 8190'MD & 7966'TVD @ 1454'VS
 0.9 deg Inc 66.0 deg AZ

Project: SEC.18-T2N-R65W
 Site: Walters 17-18 Pad Sec.18-T2N-R65W
 Well: Walters 25-18
 Plan: Wellbore #1



Directional

Anadarko, Weld County CO

SEC.18-T2N-R65W

Walters 17-18 Pad Sec.18-T2N-R65W

Walters 25-18

Wellbore #1

Survey: Survey #1

Standard Survey Report

04 August, 2011

Company:	Anadarko, Weld County CO	Local Co-ordinate Reference:	Well Walters 25-18
Project:	SEC.18-T2N-R65W	TVD Reference:	WELL @ 4977.0ft (Original Well Elev)
Site:	Walters 17-18 Pad Sec.18-T2N-R65W	MD Reference:	WELL @ 4977.0ft (Original Well Elev)
Well:	Walters 25-18	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)
1,264.0	19.00	222.60	1,230.0	-189.9	-160.4	248.6	0.24	0.22	0.22
1,352.0	19.30	222.20	1,313.1	-211.3	-179.9	277.5	0.37	0.34	-0.45
1,441.0	19.10	222.00	1,397.1	-233.0	-199.5	306.7	0.24	-0.22	-0.22
1,530.0	19.70	220.90	1,481.1	-255.1	-219.1	336.3	0.79	0.67	-1.24
1,618.0	19.70	220.30	1,563.9	-277.7	-238.4	365.9	0.23	0.00	-0.68
1,707.0	19.70	218.60	1,647.7	-300.8	-257.4	395.9	0.64	0.00	-1.91
1,795.0	19.30	218.80	1,730.7	-323.8	-275.8	425.3	0.46	-0.45	0.23
1,884.0	19.50	218.20	1,814.6	-346.9	-294.2	454.8	0.32	0.22	-0.67
1,973.0	19.00	218.80	1,898.6	-369.9	-312.5	484.1	0.60	-0.56	0.67
2,061.0	18.80	219.80	1,981.9	-391.9	-330.5	512.6	0.43	-0.23	1.14
2,150.0	19.20	221.60	2,066.1	-413.9	-349.4	541.6	0.80	0.45	2.02
2,239.0	18.70	222.00	2,150.2	-435.4	-368.7	570.5	0.58	-0.56	0.45
2,327.0	18.00	222.50	2,233.8	-455.9	-387.3	598.2	0.82	-0.80	0.57
2,416.0	18.00	222.00	2,318.4	-476.3	-405.8	625.7	0.17	0.00	-0.56
2,505.0	18.10	224.50	2,403.0	-496.4	-424.7	653.2	0.88	0.11	2.81
2,593.0	19.00	225.10	2,486.4	-516.2	-444.4	681.2	1.05	1.02	0.68
2,682.0	18.00	223.40	2,570.8	-536.5	-464.1	709.4	1.28	-1.12	-1.91
2,771.0	18.00	221.50	2,655.5	-556.7	-482.7	736.8	0.66	0.00	-2.13
2,859.0	18.80	222.30	2,739.0	-577.4	-501.2	764.6	0.95	0.91	0.91
2,948.0	18.90	220.70	2,823.2	-598.9	-520.3	793.4	0.59	0.11	-1.80
3,036.0	19.60	220.00	2,906.3	-621.1	-539.1	822.4	0.84	0.80	-0.80
3,125.0	19.60	218.20	2,990.1	-644.2	-557.9	852.2	0.68	0.00	-2.02
3,214.0	20.10	220.40	3,073.9	-667.6	-577.0	882.4	1.01	0.56	2.47
3,302.0	20.30	221.50	3,156.4	-690.6	-596.9	912.8	0.49	0.23	1.25
3,372.4	20.14	220.79	3,222.5	-708.9	-613.0	937.1	0.42	-0.23	-1.01
3300' MD = 115' Radius									
3,391.0	20.10	220.60	3,240.0	-713.7	-617.1	943.5	0.42	-0.22	-1.02
3,480.0	18.40	220.00	3,324.0	-736.1	-636.1	972.9	1.92	-1.91	-0.67
3,568.0	18.10	224.10	3,407.6	-756.6	-654.6	1,000.4	1.50	-0.34	4.66
3,657.0	17.90	224.00	3,492.2	-776.3	-673.7	1,027.9	0.23	-0.22	-0.11
3,746.0	17.90	222.00	3,576.9	-796.3	-692.3	1,055.2	0.69	0.00	-2.25
3,834.0	17.40	224.00	3,660.8	-815.8	-710.5	1,081.9	0.89	-0.57	2.27
3,923.0	17.00	223.20	3,745.8	-834.9	-728.7	1,108.1	0.52	-0.45	-0.90
4,011.0	17.10	222.00	3,829.9	-853.9	-746.1	1,133.9	0.42	0.11	-1.36
4,100.0	16.90	222.60	3,915.0	-873.1	-763.6	1,159.9	0.30	-0.22	0.67
4,189.0	15.50	218.40	4,000.5	-892.0	-779.8	1,184.8	2.05	-1.57	-4.72
4,277.0	15.40	222.80	4,085.3	-909.8	-795.0	1,208.2	1.34	-0.11	5.00
4,366.0	17.10	220.10	4,170.8	-928.5	-811.5	1,233.1	2.09	1.91	-3.03
4,455.0	17.30	219.20	4,255.8	-948.7	-828.3	1,259.4	0.37	0.22	-1.01
4,543.0	16.40	222.10	4,340.0	-968.1	-844.9	1,284.9	1.40	-1.02	3.30
4,632.0	16.60	220.50	4,425.3	-987.1	-861.6	1,310.2	0.56	0.22	-1.80
4,721.0	16.60	219.00	4,510.6	-1,006.6	-877.8	1,335.6	0.48	0.00	-1.69
4,809.0	16.00	219.30	4,595.1	-1,025.8	-893.4	1,360.3	0.69	-0.68	0.34
4,898.0	13.70	219.80	4,681.1	-1,043.4	-907.9	1,383.1	2.59	-2.58	0.56
4,987.0	12.10	220.10	4,767.9	-1,058.6	-920.7	1,402.9	1.80	-1.80	0.34
5,075.0	9.90	218.40	4,854.2	-1,071.6	-931.3	1,419.7	2.53	-2.50	-1.93
5,164.0	8.20	219.00	4,942.1	-1,082.5	-940.1	1,433.7	1.91	-1.91	0.67
5,252.0	6.00	220.00	5,029.4	-1,090.9	-947.0	1,444.6	2.50	-2.50	1.14
5,341.0	4.30	222.30	5,118.1	-1,096.9	-952.2	1,452.6	1.92	-1.91	2.58
5,430.0	2.50	232.10	5,206.9	-1,100.6	-956.0	1,457.8	2.12	-2.02	11.01
5,518.0	1.70	265.00	5,294.9	-1,101.9	-958.8	1,460.6	1.61	-0.91	37.39
5,651.0	0.20	307.00	5,427.8	-1,101.9	-961.0	1,462.1	1.17	-1.13	31.58
5,784.0	0.70	306.20	5,560.8	-1,101.3	-961.8	1,462.1	0.38	0.38	-0.60
5,917.0	0.90	314.70	5,693.8	-1,100.1	-963.2	1,462.1	0.17	0.15	6.39

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Well:	Walters 25-18	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)	
6,050.0	0.20	308.60	5,826.8	-1,099.2	-964.1	1,462.1	0.53	-0.53	-4.59	
6,123.2	0.22	267.57	5,900.0	-1,099.1	-964.4	1,462.2	0.20	0.03	-56.08	
TARGET BHL 2540'FNL, 2430'FEL										
6,183.0	0.30	246.60	5,959.8	-1,099.2	-964.6	1,462.4	0.20	0.13	-35.05	
6,316.0	0.30	263.40	6,092.8	-1,099.4	-965.3	1,463.0	0.07	0.00	12.63	
6,449.0	0.90	247.10	6,225.8	-1,099.8	-966.6	1,464.1	0.46	0.45	-12.26	
6,582.0	1.20	239.30	6,358.8	-1,100.9	-968.8	1,466.4	0.25	0.23	-5.86	
6,715.0	1.20	239.30	6,491.8	-1,102.4	-971.2	1,469.0	0.00	0.00	0.00	
6,848.0	1.60	227.30	6,624.7	-1,104.3	-973.7	1,472.2	0.37	0.30	-9.02	
6,981.0	2.20	228.30	6,757.6	-1,107.3	-977.0	1,476.6	0.45	0.45	0.75	
7,114.0	1.40	212.40	6,890.6	-1,110.4	-979.8	1,480.7	0.70	-0.60	-11.95	
7,247.0	1.10	146.30	7,023.6	-1,112.8	-979.9	1,482.7	1.04	-0.23	-49.70	
7,297.1	1.54	104.36	7,073.6	-1,113.4	-979.0	1,482.5	2.06	0.88	-83.77	
TARGET CIRCLE 2540'FNL & 2430'FEL										
7,380.0	3.00	80.40	7,156.5	-1,113.3	-975.8	1,480.3	2.06	1.76	-28.89	
7,513.0	3.50	72.30	7,289.3	-1,111.5	-968.5	1,474.2	0.51	0.38	-6.09	
7,646.0	2.60	69.10	7,422.1	-1,109.2	-961.8	1,468.1	0.69	-0.68	-2.41	
7,779.0	2.20	74.00	7,555.0	-1,107.4	-956.5	1,463.3	0.34	-0.30	3.68	
7,912.0	1.70	74.10	7,687.9	-1,106.1	-952.2	1,459.5	0.38	-0.38	0.08	
8,045.0	1.20	69.80	7,820.8	-1,105.1	-949.0	1,456.6	0.38	-0.38	-3.23	
8,144.0	0.90	66.00	7,919.8	-1,104.4	-947.3	1,455.0	0.31	-0.30	-3.84	
8,167.4	0.90	66.00	7,943.2	-1,104.3	-947.0	1,454.7	0.00	0.00	0.00	
HARD LINES 130'S & 261'W OF BHL										
8,190.0	0.90	66.00	7,965.8	-1,104.1	-946.6	1,454.4	0.00	0.00	0.00	

Checked By: _____	Approved By: _____	Date: _____
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