



## **EOG Resources**

**Weld Co., CO**

**Sec 18-T11N-R63W**

**Critter Creek #14-18H**

**Hz**

**Survey: Survey #1**

## **Standard Survey Report**

**13 May, 2011**



<b>Company:</b>	EOG Resources	<b>Local Co-ordinate Reference:</b>	Well Critter Creek #14-18H
<b>Project:</b>	Weld Co., CO	<b>TVD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Site:</b>	Sec 18-T11N-R63W	<b>MD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Well:</b>	Critter Creek #14-18H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Hz	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Hz	<b>Database:</b>	Local

<b>Project</b>	Weld Co., CO		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Colorado North 501		

<b>Site</b>	Sec 18-T11N-R63W		
<b>Site Position:</b>		<b>Northing:</b>	
<b>From:</b>	Lat/Long	<b>Easting:</b>	
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	
		<b>Latitude:</b>	
		<b>Longitude:</b>	
		<b>Grid Convergence:</b>	1.00

<b>Well</b>	Critter Creek #14-18H				
<b>Well Position</b>	<b>+N/-S</b>	0.0 ft	<b>Northing:</b>	578,367.40 ft	<b>Latitude:</b> 40° 54' 59.240 N
	<b>+E/-W</b>	0.0 ft	<b>Easting:</b>	2,285,316.29 ft	<b>Longitude:</b> 104° 28' 3.730 W
<b>Position Uncertainty</b>	0.0 ft		<b>Wellhead Elevation:</b>	ft	<b>Ground Level:</b> 5,347.0 ft

<b>Wellbore</b>	Hz				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010-14	03/23/11	8.78	67.52	53,451

<b>Design</b>	Hz				
<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	305.35	

<b>Survey Program</b>	<b>Date</b>	05/13/11			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
1,484.0	12,432.0	Survey #1 (Hz)	MWD		

<b>Survey</b>											
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>Subsea 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	-5,368.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,484.0	0.00	0.00	1,484.0	-3,884.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,513.0	0.30	30.10	1,513.0	-3,855.0	0.1	0.0	0.0	1.03	1.03	0.00	
1,789.0	0.60	1.90	1,789.0	-3,579.0	2.1	0.4	0.9	0.13	0.11	-10.22	
2,069.0	0.50	329.10	2,069.0	-3,299.0	4.6	-0.1	2.8	0.12	-0.04	-11.71	
2,354.0	0.30	334.90	2,354.0	-3,014.0	6.4	-1.1	4.6	0.07	-0.07	2.04	
2,639.0	0.20	340.70	2,639.0	-2,729.0	7.5	-1.6	5.6	0.04	-0.04	2.04	
2,924.0	0.00	83.80	2,924.0	-2,444.0	8.0	-1.7	6.0	0.07	-0.07	0.00	
3,208.0	0.10	19.10	3,208.0	-2,160.0	8.2	-1.6	6.1	0.04	0.04	0.00	
3,493.0	0.10	201.30	3,493.0	-1,875.0	8.2	-1.7	6.1	0.07	0.00	-62.39	

<b>Company:</b>	EOG Resources	<b>Local Co-ordinate Reference:</b>	Well Critter Creek #14-18H
<b>Project:</b>	Weld Co., CO	<b>TVD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Site:</b>	Sec 18-T11N-R63W	<b>MD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Well:</b>	Critter Creek #14-18H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Hz	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Hz	<b>Database:</b>	Local

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Subsea Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,779.0	0.50	244.90	3,779.0	-1,589.0	7.5	-2.9	6.7	0.15	0.14	15.24
4,064.0	0.20	268.10	4,064.0	-1,304.0	6.9	-4.5	7.7	0.11	-0.11	8.14
4,349.0	0.70	74.20	4,349.0	-1,019.0	7.4	-3.3	7.0	0.31	0.18	58.28
4,634.0	1.20	69.50	4,633.9	-734.1	8.9	1.1	4.2	0.18	0.18	-1.65
4,918.0	1.50	102.00	4,917.8	-450.2	9.2	7.6	-0.9	0.28	0.11	11.44
5,203.0	0.40	346.10	5,202.8	-165.2	9.4	11.0	-3.5	0.60	-0.39	-40.67
5,488.0	0.20	307.00	5,487.8	119.8	10.6	10.3	-2.3	0.10	-0.07	-13.72
5,773.0	0.30	184.60	5,772.8	404.8	10.2	9.9	-2.2	0.15	0.04	-42.95
6,057.0	0.00	57.90	6,056.8	688.8	9.5	9.8	-2.5	0.11	-0.11	0.00
6,341.0	0.60	133.90	6,340.8	972.8	8.4	10.9	-4.0	0.21	0.21	0.00
6,626.0	0.80	125.40	6,625.8	1,257.8	6.2	13.6	-7.5	0.08	0.07	-2.98
6,913.0	0.60	118.40	6,912.8	1,544.8	4.4	16.5	-11.0	0.08	-0.07	-2.44
6,936.0	0.60	118.60	6,935.8	1,567.8	4.2	16.8	-11.2	0.01	0.00	0.87
6,945.0	0.50	133.30	6,944.8	1,576.8	4.2	16.8	-11.3	1.91	-1.11	163.33
6,977.0	0.50	259.80	6,976.7	1,608.7	4.1	16.8	-11.3	2.79	0.00	395.31
7,009.0	3.30	281.20	7,008.7	1,640.7	4.2	15.8	-10.4	8.88	8.75	66.88
7,041.0	7.00	288.80	7,040.6	1,672.6	5.0	13.0	-7.7	11.73	11.56	23.75
7,073.0	10.80	296.00	7,072.2	1,704.2	7.0	8.5	-2.9	12.35	11.88	22.50
7,104.0	14.50	297.20	7,102.4	1,734.4	10.0	2.4	3.8	11.96	11.94	3.87
7,136.0	18.50	296.60	7,133.1	1,765.1	14.1	-5.7	12.8	12.51	12.50	-1.88
7,168.0	22.00	295.00	7,163.1	1,795.1	18.9	-15.7	23.8	11.07	10.94	-5.00
7,200.0	25.70	294.80	7,192.4	1,824.4	24.4	-27.4	36.5	11.57	11.56	-0.63
7,231.0	29.30	293.10	7,219.9	1,851.9	30.2	-40.5	50.5	11.88	11.61	-5.48
7,262.0	33.40	291.60	7,246.4	1,878.4	36.3	-55.4	66.2	13.46	13.23	-4.84
7,294.0	36.90	289.50	7,272.5	1,904.5	42.8	-72.7	84.0	11.57	10.94	-6.56
7,326.0	39.60	286.80	7,297.7	1,929.7	48.9	-91.5	102.9	9.92	8.44	-8.44
7,357.0	43.30	285.70	7,320.9	1,952.9	54.6	-111.2	122.3	12.16	11.94	-3.55
7,389.0	45.80	286.40	7,343.7	1,975.7	60.9	-132.8	143.5	7.96	7.81	2.19
7,421.0	48.30	287.30	7,365.5	1,997.5	67.6	-155.2	165.7	8.08	7.81	2.81
7,452.0	51.50	288.00	7,385.5	2,017.5	74.8	-177.8	188.3	10.47	10.32	2.26
7,484.0	54.70	288.50	7,404.7	2,036.7	82.9	-202.1	212.8	10.08	10.00	1.56
7,515.0	57.20	288.60	7,422.0	2,054.0	91.0	-226.4	237.3	8.07	8.06	0.32
7,547.0	60.40	288.90	7,438.6	2,070.6	99.8	-252.3	263.6	10.03	10.00	0.94
7,579.0	62.90	289.30	7,453.8	2,085.8	109.0	-278.9	290.6	7.89	7.81	1.25
7,610.0	64.90	289.70	7,467.4	2,099.4	118.3	-305.2	317.4	6.55	6.45	1.29
7,641.0	67.90	289.90	7,479.8	2,111.8	128.0	-331.9	344.8	9.70	9.68	0.65
7,673.0	71.80	290.50	7,490.9	2,122.9	138.3	-360.1	373.7	12.31	12.19	1.88
7,705.0	74.40	290.50	7,500.2	2,132.2	149.0	-388.8	403.3	8.13	8.13	0.00
7,736.0	77.90	290.60	7,507.6	2,139.6	159.6	-417.0	432.4	11.29	11.29	0.32
7,767.0	81.10	290.60	7,513.2	2,145.2	170.3	-445.5	461.9	10.32	10.32	0.00
7,823.0	86.00	293.30	7,519.5	2,151.5	191.1	-497.1	516.0	9.98	8.75	4.82
7,855.0	86.10	292.50	7,521.7	2,153.7	203.6	-526.5	547.2	2.51	0.31	-2.50
7,887.0	87.30	291.30	7,523.6	2,155.6	215.5	-556.1	578.3	5.30	3.75	-3.75

<b>Company:</b>	EOG Resources	<b>Local Co-ordinate Reference:</b>	Well Critter Creek #14-18H
<b>Project:</b>	Weld Co., CO	<b>TVD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Site:</b>	Sec 18-T11N-R63W	<b>MD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Well:</b>	Critter Creek #14-18H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Hz	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Hz	<b>Database:</b>	Local

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Subsea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
7,918.0	89.90	290.80	7,524.3	2,156.3	226.6	-585.0	608.3	8.54	8.39	-1.61
7,950.0	92.70	289.90	7,523.6	2,155.6	237.7	-615.0	639.2	9.19	8.75	-2.81
8,014.0	91.70	289.80	7,521.1	2,153.1	259.4	-675.2	700.8	1.57	-1.56	-0.16
8,046.0	91.90	289.70	7,520.1	2,152.1	270.2	-705.3	731.6	0.70	0.63	-0.31
8,077.0	91.60	289.90	7,519.2	2,151.2	280.7	-734.4	761.5	1.16	-0.97	0.65
8,109.0	90.40	289.50	7,518.6	2,150.6	291.5	-764.6	792.3	3.95	-3.75	-1.25
8,140.0	88.80	289.00	7,518.8	2,150.8	301.7	-793.8	822.1	5.41	-5.16	-1.61
8,172.0	88.40	288.30	7,519.6	2,151.6	312.0	-824.1	852.7	2.52	-1.25	-2.19
8,204.0	88.30	288.60	7,520.6	2,152.6	322.1	-854.5	883.3	0.99	-0.31	0.94
8,236.0	88.40	288.10	7,521.5	2,153.5	332.2	-884.8	913.9	1.59	0.31	-1.56
8,268.0	88.50	288.20	7,522.3	2,154.3	342.1	-915.2	944.5	0.44	0.31	0.31
8,299.0	88.80	287.70	7,523.1	2,155.1	351.7	-944.7	974.0	1.88	0.97	-1.61
8,331.0	88.80	287.40	7,523.7	2,155.7	361.3	-975.2	1,004.5	0.94	0.00	-0.94
8,363.0	88.70	287.00	7,524.4	2,156.4	370.8	-1,005.8	1,034.9	1.29	-0.31	-1.25
8,395.0	88.40	287.00	7,525.2	2,157.2	380.1	-1,036.4	1,065.3	0.94	-0.94	0.00
8,426.0	88.00	287.70	7,526.2	2,158.2	389.4	-1,065.9	1,094.7	2.60	-1.29	2.26
8,458.0	88.20	287.00	7,527.3	2,159.3	398.9	-1,096.5	1,125.2	2.27	0.63	-2.19
8,490.0	89.60	288.50	7,527.9	2,159.9	408.7	-1,126.9	1,155.6	6.41	4.38	4.69
8,522.0	90.70	290.00	7,527.8	2,159.8	419.2	-1,157.2	1,186.4	5.81	3.44	4.69
8,554.0	90.90	290.50	7,527.4	2,159.4	430.3	-1,187.2	1,217.3	1.68	0.63	1.56
8,586.0	90.80	292.00	7,526.9	2,158.9	441.9	-1,217.0	1,248.3	4.70	-0.31	4.69
8,617.0	91.00	291.90	7,526.4	2,158.4	453.5	-1,245.7	1,278.5	0.72	0.65	-0.32
8,649.0	90.10	292.10	7,526.1	2,158.1	465.5	-1,275.4	1,309.6	2.88	-2.81	0.63
8,680.0	89.70	292.10	7,526.2	2,158.2	477.1	-1,304.1	1,339.8	1.29	-1.29	0.00
8,712.0	88.40	291.50	7,526.7	2,158.7	489.0	-1,333.8	1,370.9	4.47	-4.06	-1.88
8,743.0	88.50	291.70	7,527.5	2,159.5	500.4	-1,362.7	1,401.0	0.72	0.32	0.65
8,775.0	88.70	291.50	7,528.3	2,160.3	512.2	-1,392.4	1,432.1	0.88	0.63	-0.63
8,806.0	89.00	291.90	7,528.9	2,160.9	523.7	-1,421.2	1,462.2	1.61	0.97	1.29
8,838.0	89.20	291.70	7,529.4	2,161.4	535.5	-1,450.9	1,493.3	0.88	0.63	-0.63
8,870.0	89.30	293.60	7,529.8	2,161.8	547.9	-1,480.4	1,524.5	5.95	0.31	5.94
8,901.0	89.70	294.40	7,530.1	2,162.1	560.5	-1,508.7	1,554.9	2.89	1.29	2.58
8,933.0	90.20	295.30	7,530.1	2,162.1	573.9	-1,537.8	1,586.4	3.22	1.56	2.81
8,965.0	90.50	295.40	7,529.9	2,161.9	587.6	-1,566.7	1,617.9	0.99	0.94	0.31
8,996.0	89.50	296.80	7,529.9	2,161.9	601.3	-1,594.5	1,648.5	5.55	-3.23	4.52
9,028.0	90.10	297.20	7,530.1	2,162.1	615.8	-1,623.1	1,680.1	2.25	1.88	1.25
9,060.0	89.90	298.00	7,530.1	2,162.1	630.6	-1,651.4	1,711.8	2.58	-0.63	2.50
9,092.0	90.00	298.00	7,530.1	2,162.1	645.6	-1,679.7	1,743.6	0.31	0.31	0.00
9,124.0	89.90	299.20	7,530.1	2,162.1	661.0	-1,707.8	1,775.4	3.76	-0.31	3.75
9,156.0	89.90	299.20	7,530.2	2,162.2	676.6	-1,735.7	1,807.2	0.00	0.00	0.00
9,187.0	89.60	300.90	7,530.3	2,162.3	692.1	-1,762.5	1,838.0	5.57	-0.97	5.48
9,218.0	90.20	301.20	7,530.4	2,162.4	708.1	-1,789.1	1,868.9	2.16	1.94	0.97
9,250.0	90.20	302.60	7,530.3	2,162.3	725.0	-1,816.2	1,900.9	4.37	0.00	4.38



<b>Company:</b>	EOG Resources	<b>Local Co-ordinate Reference:</b>	Well Critter Creek #14-18H
<b>Project:</b>	Weld Co., CO	<b>TVD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Site:</b>	Sec 18-T11N-R63W	<b>MD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Well:</b>	Critter Creek #14-18H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Hz	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Hz	<b>Database:</b>	Local

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Subsea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,279.0	90.30	302.60	7,530.1	2,162.1	740.6	-1,840.7	1,929.9	0.34	0.34	0.00
9,314.0	89.10	304.50	7,530.3	2,162.3	760.0	-1,869.8	1,964.8	6.42	-3.43	5.43
9,345.0	90.00	304.50	7,530.6	2,162.6	777.5	-1,895.4	1,995.8	2.90	2.90	0.00
9,377.0	90.60	304.70	7,530.4	2,162.4	795.7	-1,921.7	2,027.8	1.98	1.88	0.63
9,408.0	89.80	306.20	7,530.3	2,162.3	813.7	-1,947.0	2,058.8	5.48	-2.58	4.84
9,440.0	88.20	307.30	7,530.8	2,162.8	832.8	-1,972.6	2,090.8	6.07	-5.00	3.44
9,472.0	88.50	306.70	7,531.8	2,163.8	852.1	-1,998.2	2,122.8	2.10	0.94	-1.88
9,503.0	88.30	306.40	7,532.6	2,164.6	870.5	-2,023.1	2,153.8	1.16	-0.65	-0.97
9,534.0	88.50	306.60	7,533.5	2,165.5	888.9	-2,048.0	2,184.7	0.91	0.65	0.65
9,566.0	88.50	306.40	7,534.3	2,166.3	908.0	-2,073.7	2,216.7	0.62	0.00	-0.63
9,598.0	88.50	306.30	7,535.2	2,167.2	926.9	-2,099.4	2,248.7	0.31	0.00	-0.31
9,629.0	88.70	306.30	7,535.9	2,167.9	945.3	-2,124.4	2,279.7	0.65	0.65	0.00
9,660.0	89.00	306.20	7,536.5	2,168.5	963.6	-2,149.4	2,310.7	1.02	0.97	-0.32
9,692.0	89.20	306.30	7,537.0	2,169.0	982.5	-2,175.2	2,342.7	0.70	0.63	0.31
9,724.0	89.10	306.30	7,537.5	2,169.5	1,001.5	-2,201.0	2,374.7	0.31	-0.31	0.00
9,755.0	89.40	306.00	7,537.9	2,169.9	1,019.7	-2,226.0	2,405.7	1.37	0.97	-0.97
9,787.0	89.80	306.60	7,538.1	2,170.1	1,038.7	-2,251.8	2,437.7	2.25	1.25	1.88
9,818.0	90.10	306.00	7,538.2	2,170.2	1,057.0	-2,276.8	2,468.7	2.16	0.97	-1.94
9,850.0	89.70	305.40	7,538.2	2,170.2	1,075.7	-2,302.8	2,500.7	2.25	-1.25	-1.88
9,882.0	89.50	304.50	7,538.5	2,170.5	1,094.0	-2,329.0	2,532.7	2.88	-0.63	-2.81
9,913.0	89.90	306.00	7,538.6	2,170.6	1,111.9	-2,354.3	2,563.7	5.01	1.29	4.84
9,945.0	89.80	306.50	7,538.7	2,170.7	1,130.9	-2,380.1	2,595.6	1.59	-0.31	1.56
9,976.0	90.20	307.40	7,538.7	2,170.7	1,149.5	-2,404.9	2,626.6	3.18	1.29	2.90
10,007.0	90.70	308.00	7,538.5	2,170.5	1,168.5	-2,429.4	2,657.6	2.52	1.61	1.94
10,039.0	90.40	309.20	7,538.1	2,170.1	1,188.4	-2,454.5	2,689.6	3.87	-0.94	3.75
10,071.0	90.10	309.60	7,538.0	2,170.0	1,208.7	-2,479.2	2,721.5	1.56	-0.94	1.25
10,102.0	90.20	311.40	7,537.9	2,169.9	1,228.9	-2,502.8	2,752.3	5.82	0.32	5.81
10,134.0	90.50	311.80	7,537.7	2,169.7	1,250.1	-2,526.7	2,784.2	1.56	0.94	1.25
10,165.0	90.40	313.80	7,537.5	2,169.5	1,271.2	-2,549.4	2,814.9	6.46	-0.32	6.45
10,197.0	90.40	314.00	7,537.3	2,169.3	1,293.4	-2,572.5	2,846.5	0.62	0.00	0.63
10,228.0	89.70	315.50	7,537.2	2,169.2	1,315.2	-2,594.5	2,877.1	5.34	-2.26	4.84
10,260.0	89.70	316.00	7,537.4	2,169.4	1,338.1	-2,616.8	2,908.6	1.56	0.00	1.56
10,292.0	89.90	316.00	7,537.5	2,169.5	1,361.1	-2,639.1	2,940.0	0.63	0.63	0.00
10,324.0	89.50	315.90	7,537.7	2,169.7	1,384.1	-2,661.3	2,971.5	1.29	-1.25	-0.31
10,355.0	89.80	315.70	7,537.9	2,169.9	1,406.3	-2,682.9	3,002.0	1.16	0.97	-0.65
10,387.0	90.60	317.10	7,537.8	2,169.8	1,429.5	-2,705.0	3,033.4	5.04	2.50	4.38
10,419.0	90.60	316.60	7,537.4	2,169.4	1,452.9	-2,726.9	3,064.7	1.56	0.00	-1.56
10,450.0	90.30	316.00	7,537.2	2,169.2	1,475.3	-2,748.3	3,095.2	2.16	-0.97	-1.94
10,482.0	90.50	315.70	7,537.0	2,169.0	1,498.2	-2,770.6	3,126.6	1.13	0.63	-0.94
10,513.0	90.20	317.10	7,536.8	2,168.8	1,520.7	-2,792.0	3,157.1	4.62	-0.97	4.52
10,545.0	89.80	317.50	7,536.8	2,168.8	1,544.2	-2,813.7	3,188.4	1.77	-1.25	1.25
10,576.0	90.30	317.50	7,536.7	2,168.7	1,567.0	-2,834.6	3,218.7	1.61	1.61	0.00
10,608.0	90.60	317.40	7,536.5	2,168.5	1,590.6	-2,856.2	3,250.0	0.99	0.94	-0.31

<b>Company:</b>	EOG Resources	<b>Local Co-ordinate Reference:</b>	Well Critter Creek #14-18H
<b>Project:</b>	Weld Co., CO	<b>TVD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Site:</b>	Sec 18-T11N-R63W	<b>MD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Well:</b>	Critter Creek #14-18H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Hz	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Hz	<b>Database:</b>	Local

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Subsea Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,639.0	90.30	317.00	7,536.3	2,168.3	1,613.4	-2,877.3	3,280.3	1.61	-0.97	-1.29
10,671.0	89.90	316.60	7,536.2	2,168.2	1,636.7	-2,899.2	3,311.7	1.77	-1.25	-1.25
10,702.0	90.20	316.70	7,536.2	2,168.2	1,659.2	-2,920.5	3,342.1	1.02	0.97	0.32
10,734.0	90.50	316.70	7,536.0	2,168.0	1,682.5	-2,942.4	3,373.4	0.94	0.94	0.00
10,765.0	90.00	316.00	7,535.8	2,167.8	1,705.0	-2,963.8	3,403.9	2.77	-1.61	-2.26
10,797.0	89.80	315.80	7,535.9	2,167.9	1,727.9	-2,986.1	3,435.3	0.88	-0.63	-0.63
10,829.0	90.20	316.80	7,535.9	2,167.9	1,751.1	-3,008.2	3,466.7	3.37	1.25	3.13
10,860.0	90.00	316.70	7,535.8	2,167.8	1,773.6	-3,029.4	3,497.1	0.72	-0.65	-0.32
10,892.0	89.50	318.30	7,536.0	2,168.0	1,797.2	-3,051.1	3,528.4	5.24	-1.56	5.00
10,955.0	90.00	318.80	7,536.3	2,168.3	1,844.5	-3,092.8	3,589.7	1.12	0.79	0.79
11,018.0	89.30	317.80	7,536.6	2,168.6	1,891.5	-3,134.7	3,651.1	1.94	-1.11	-1.59
11,050.0	90.50	318.00	7,536.7	2,168.7	1,915.2	-3,156.1	3,682.4	3.80	3.75	0.63
11,082.0	90.80	318.10	7,536.3	2,168.3	1,939.0	-3,177.5	3,713.6	0.99	0.94	0.31
11,113.0	91.20	318.20	7,535.8	2,167.8	1,962.1	-3,198.2	3,743.8	1.33	1.29	0.32
11,145.0	91.10	318.20	7,535.1	2,167.1	1,986.0	-3,219.5	3,775.0	0.31	-0.31	0.00
11,177.0	91.60	317.90	7,534.4	2,166.4	2,009.8	-3,240.9	3,806.2	1.82	1.56	-0.94
11,208.0	91.50	317.50	7,533.6	2,165.6	2,032.7	-3,261.8	3,836.5	1.33	-0.32	-1.29
11,240.0	92.00	317.60	7,532.6	2,164.6	2,056.3	-3,283.3	3,867.7	1.59	1.56	0.31
11,271.0	92.40	317.50	7,531.4	2,163.4	2,079.1	-3,304.3	3,898.0	1.33	1.29	-0.32
11,303.0	91.70	317.30	7,530.2	2,162.2	2,102.7	-3,325.9	3,929.3	2.27	-2.19	-0.63
11,335.0	90.40	316.80	7,529.7	2,161.7	2,126.1	-3,347.7	3,960.6	4.35	-4.06	-1.56
11,367.0	90.60	316.90	7,529.4	2,161.4	2,149.4	-3,369.6	3,992.0	0.70	0.63	0.31
11,398.0	89.30	316.80	7,529.4	2,161.4	2,172.1	-3,390.8	4,022.3	4.21	-4.19	-0.32
11,430.0	87.80	317.10	7,530.2	2,162.2	2,195.4	-3,412.6	4,053.7	4.78	-4.69	0.94
11,462.0	87.30	316.90	7,531.6	2,163.6	2,218.8	-3,434.4	4,085.0	1.68	-1.56	-0.63
11,525.0	89.20	316.10	7,533.5	2,165.5	2,264.5	-3,477.8	4,146.8	3.27	3.02	-1.27
11,588.0	89.10	316.00	7,534.4	2,166.4	2,309.8	-3,521.5	4,208.7	0.22	-0.16	-0.16
11,651.0	89.50	316.40	7,535.2	2,167.2	2,355.3	-3,565.1	4,270.5	0.90	0.63	0.63
11,715.0	89.30	317.00	7,535.9	2,167.9	2,401.9	-3,609.0	4,333.3	0.99	-0.31	0.94
11,778.0	89.70	316.90	7,536.4	2,168.4	2,447.9	-3,652.0	4,395.0	0.65	0.63	-0.16
11,841.0	90.20	317.50	7,536.5	2,168.5	2,494.2	-3,694.8	4,456.6	1.24	0.79	0.95
11,905.0	89.70	317.20	7,536.5	2,168.5	2,541.2	-3,738.2	4,519.2	0.91	-0.78	-0.47
11,968.0	90.50	317.20	7,536.4	2,168.4	2,587.4	-3,781.0	4,580.9	1.27	1.27	0.00
12,031.0	90.00	315.70	7,536.2	2,168.2	2,633.1	-3,824.4	4,642.7	2.51	-0.79	-2.38
12,094.0	89.60	313.90	7,536.4	2,168.4	2,677.5	-3,869.1	4,704.9	2.93	-0.63	-2.86
12,126.0	89.50	314.50	7,536.6	2,168.6	2,699.8	-3,892.0	4,736.5	1.90	-0.31	1.88
12,157.0	89.60	315.50	7,536.9	2,168.9	2,721.7	-3,913.9	4,767.0	3.24	0.32	3.23
12,189.0	89.80	316.90	7,537.0	2,169.0	2,744.8	-3,936.1	4,798.5	4.42	0.63	4.38
12,221.0	89.90	316.80	7,537.1	2,169.1	2,768.2	-3,958.0	4,829.8	0.44	0.31	-0.31
12,252.0	89.70	315.90	7,537.2	2,169.2	2,790.6	-3,979.3	4,860.2	2.97	-0.65	-2.90
12,284.0	89.60	316.20	7,537.4	2,169.4	2,813.6	-4,001.6	4,891.7	0.99	-0.31	0.94
12,316.0	88.10	316.10	7,538.1	2,170.1	2,836.7	-4,023.7	4,923.1	4.70	-4.69	-0.31

<b>Company:</b>	EOG Resources	<b>Local Co-ordinate Reference:</b>	Well Critter Creek #14-18H
<b>Project:</b>	Weld Co., CO	<b>TVD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Site:</b>	Sec 18-T11N-R63W	<b>MD Reference:</b>	CC 14-18H KBE @ 5368.0ft (SST 56)
<b>Well:</b>	Critter Creek #14-18H	<b>North Reference:</b>	True
<b>Wellbore:</b>	Hz	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Hz	<b>Database:</b>	Local

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	Subsea Depth (ft)	+N-S (ft)	+E-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
12,347.0	88.50	316.60	7,539.0	2,171.0	2,859.1	-4,045.1	4,953.5	2.06	1.29	1.61
12,379.0	88.70	316.10	7,539.8	2,171.8	2,882.3	-4,067.2	4,984.9	1.68	0.63	-1.56
Projection to Bit										
12,432.0	89.00	316.10	7,540.8	2,172.8	2,920.5	-4,103.9	5,037.0	0.57	0.57	0.00

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N-S (ft)	+E-W (ft)	Comment	
12,432.0	7,540.8	2,920.5	-4,103.9	Projection to Bit	

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



WELL DETAILS: Criter Creek #14-18H

Geog Level:		Datum:	
Easting		Longitude	
2185316.28		104° 26' 31.70 W	
+N-S		+E-W	
0.0		0.0	

SECTION DETAILS

No plan data is available

#### FORMATION TOP DETAILS

No formation data is available

#### ANNOTATIONS

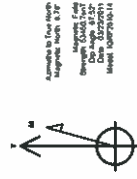
TVD	MD	Amplitude
7540.8	12432.0	Projection to Bx

#### CASING DETAILS

No casing data is available

#### WELLBORE TARGET DETAILS (LAT/LONG)

Measure	TVD	+N-S	+E-W	Latitude	Longitude	Shapshots without target data is available.
---------	-----	------	------	----------	-----------	---



Amplitude to True North  
Amplitude to Bx  
Amplitude to MD  
Datum: NAD83  
Date: 10/27/2011  
Model: 10/27/2011

