

EOG Resources, Inc.

Weld County, CO

Sec. 15-T11N-R63W

Critter Creek 09-15H

Plan #1

Design: Sperry MWD Survey

Sperry Drilling Services

Standard Report

01 October, 2010

Well Coordinates: 578,630.48 N, 2,300,890.93 E (40° 54' 60.00" N, 104° 24' 40.85" W)

Ground Level: 5,226.00 ft

Local Coordinate Origin:

Centered on Well Critter Creek 09-15H

Viewing Datum:

RKB 25' @ 5251.00ft (True 30)

TVDs to System:

N

North Reference:

True

Unit System:

API - US Survey Feet - Custom

Geodetic Scale Factor Applied

Version: 2003.16 Build: 43I

HALLIBURTON

Design Report for Critter Creek 09-15H - Sperry MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,367.00	0.00	0.00	1,367.00	0.00	0.00	0.00	0.00
Surface Casing assumed vertical at 1,367'							
1,431.00	0.46	330.04	1,431.00	0.22	-0.13	0.25	0.72
First Sperry MWD Survey							
1,718.00	0.48	314.48	1,717.99	2.06	-1.56	2.58	0.04
2,004.00	0.57	351.21	2,003.98	4.31	-2.63	4.99	0.12
2,288.00	0.36	321.14	2,287.97	6.40	-3.41	7.09	0.11
2,574.00	0.23	8.87	2,573.97	7.67	-3.88	8.36	0.09
2,858.00	0.85	356.86	2,857.95	10.33	-3.91	10.42	0.22
3,143.00	0.64	60.18	3,142.93	13.23	-2.65	11.82	0.28
3,428.00	0.35	42.07	3,427.92	14.67	-0.68	11.65	0.11
3,711.00	0.58	50.73	3,710.91	16.22	1.01	11.75	0.08
3,996.00	1.27	88.15	3,995.88	17.24	5.28	9.76	0.31
4,281.00	1.99	118.79	4,280.76	14.95	12.77	3.19	0.39
4,566.00	1.67	112.45	4,565.62	10.99	20.95	-5.12	0.13
4,850.00	1.95	114.60	4,849.48	7.39	29.17	-13.16	0.10
5,136.00	1.35	96.05	5,135.36	5.01	36.94	-20.00	0.28
5,421.00	1.43	72.49	5,420.28	5.73	43.67	-23.79	0.20
5,706.00	0.38	238.36	5,705.25	6.30	46.26	-25.02	0.63
5,991.00	0.52	40.59	5,990.25	6.79	46.29	-24.68	0.31
6,276.00	0.38	28.06	6,275.24	8.61	47.58	-24.12	0.06
6,561.00	0.28	13.25	6,560.24	10.12	48.18	-23.35	0.05
6,757.00	0.39	48.02	6,756.23	11.03	48.79	-23.05	0.12
6,780.00	0.57	48.71	6,779.23	11.16	48.93	-23.04	0.78
6,812.00	1.40	342.45	6,811.23	11.64	48.94	-22.68	4.00
6,844.00	5.09	317.82	6,843.17	13.06	47.86	-20.90	12.07
6,876.00	9.03	314.23	6,874.92	15.87	45.11	-16.98	12.38
6,907.00	13.72	315.04	6,905.31	20.17	40.77	-10.89	15.14
6,939.00	17.42	314.86	6,936.13	26.23	34.69	-2.33	11.56
6,971.00	21.59	314.54	6,966.28	33.74	27.09	8.31	13.04
7,003.00	25.27	313.62	6,995.64	42.59	17.95	20.96	11.56
7,035.00	29.03	312.20	7,024.11	52.52	7.25	35.45	11.92
7,067.00	32.79	312.72	7,051.56	63.62	-4.87	51.75	11.78
7,098.00	36.99	314.67	7,076.98	75.87	-17.68	69.38	14.02
7,130.00	40.87	315.35	7,101.87	90.10	-31.89	89.41	12.20
7,161.00	45.42	315.22	7,124.48	105.16	-46.80	110.54	14.68
7,193.00	49.55	315.22	7,146.10	121.89	-63.41	134.05	12.91
7,225.00	53.44	315.50	7,166.02	139.71	-81.00	159.01	12.18
7,257.00	56.71	315.38	7,184.34	158.40	-99.41	185.16	10.22
7,288.00	59.55	315.39	7,200.71	177.14	-117.90	211.41	9.16
7,320.00	62.65	315.48	7,216.17	197.10	-137.55	239.34	9.69
7,352.00	65.60	314.71	7,230.13	217.49	-157.88	268.03	9.47
7,384.00	68.47	314.17	7,242.62	238.11	-178.91	297.36	9.10
7,415.00	71.16	313.71	7,253.31	258.30	-199.86	326.30	8.79
7,447.00	74.21	313.41	7,262.84	279.35	-222.00	356.66	9.57
7,479.00	76.95	313.43	7,270.80	300.65	-244.51	387.46	8.56
7,511.00	79.76	313.01	7,277.26	322.11	-267.34	418.59	8.87
7,542.00	82.93	313.36	7,281.93	343.08	-289.69	449.02	10.29
7,574.00	85.50	313.38	7,285.15	364.94	-312.83	480.66	8.03

Design Report for Critter Creek 09-15H - Sperry MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
7,608.00	88.37	313.78	7,286.97	388.34	-337.42	514.40	8.52
7,641.00	88.46	314.17	7,287.88	411.25	-361.16	547.22	1.21
7,673.00	89.50	314.54	7,288.45	433.62	-384.04	579.07	3.45
7,705.00	90.46	314.69	7,288.46	456.09	-406.82	610.93	3.04
7,737.00	90.22	313.78	7,288.27	478.41	-429.74	642.78	2.94
7,769.00	88.68	313.37	7,288.58	500.47	-452.92	674.59	4.98
7,801.00	89.41	312.44	7,289.11	522.25	-476.36	706.35	3.69
7,833.00	90.62	312.57	7,289.11	543.87	-499.95	738.09	3.80
7,866.00	89.91	313.15	7,288.95	566.32	-524.14	770.84	2.78
7,898.00	89.91	313.00	7,289.00	588.17	-547.51	802.62	0.47
7,931.00	89.29	312.30	7,289.23	610.53	-571.78	835.36	2.83
7,963.00	88.89	314.05	7,289.74	632.42	-595.12	867.14	5.61
7,995.00	87.65	312.73	7,290.71	654.39	-618.36	898.92	5.66
8,026.00	86.40	312.56	7,292.32	675.36	-641.13	929.64	4.07
8,058.00	85.65	313.86	7,294.53	697.22	-664.40	961.35	4.68
8,090.00	85.51	312.78	7,297.00	719.11	-687.61	993.05	3.39
8,122.00	86.70	314.01	7,299.17	741.04	-710.81	1,024.77	5.34
8,155.00	87.96	314.89	7,300.71	764.13	-734.34	1,057.59	4.66
8,187.00	89.20	313.99	7,301.50	786.52	-757.18	1,089.44	4.79
8,220.00	90.49	313.48	7,301.59	809.34	-781.02	1,122.25	4.20
8,252.00	90.68	313.06	7,301.27	831.27	-804.32	1,154.04	1.44
8,284.00	91.55	312.42	7,300.64	852.98	-827.82	1,185.79	3.37
8,316.00	89.35	312.80	7,300.39	874.65	-851.37	1,217.53	6.98
8,348.00	89.75	313.44	7,300.64	896.52	-874.72	1,249.31	2.36
8,381.00	90.22	314.93	7,300.65	919.52	-898.39	1,282.15	4.73
8,413.00	89.42	315.66	7,300.75	942.26	-920.90	1,314.05	3.38
8,445.00	90.12	316.82	7,300.88	965.37	-943.03	1,345.99	4.23
8,478.00	90.09	314.94	7,300.82	989.06	-966.00	1,378.91	5.70
8,510.00	89.47	314.53	7,300.94	1,011.58	-988.73	1,410.78	2.32
8,542.00	90.00	315.74	7,301.09	1,034.26	-1,011.31	1,442.67	4.13
8,574.00	89.91	314.58	7,301.12	1,056.95	-1,033.87	1,474.56	3.64
8,605.00	89.63	315.58	7,301.24	1,078.90	-1,055.76	1,505.46	3.35
8,637.00	89.88	316.44	7,301.38	1,101.93	-1,077.98	1,537.39	2.80
8,669.00	89.85	314.95	7,301.45	1,124.82	-1,100.33	1,569.30	4.66
8,700.00	89.56	314.96	7,301.61	1,146.73	-1,122.27	1,600.19	0.94
8,733.00	89.82	317.03	7,301.79	1,170.46	-1,145.20	1,633.11	6.32
8,765.00	89.78	316.24	7,301.90	1,193.73	-1,167.17	1,665.06	2.47
8,796.00	89.69	317.16	7,302.05	1,216.29	-1,188.43	1,696.02	2.98
8,828.00	89.97	318.24	7,302.14	1,239.95	-1,209.96	1,727.99	3.49
8,860.00	89.72	318.66	7,302.23	1,263.90	-1,231.19	1,759.98	1.53
8,892.00	89.56	317.56	7,302.43	1,287.72	-1,252.55	1,791.97	3.47
8,925.00	89.97	318.59	7,302.57	1,312.27	-1,274.60	1,824.95	3.36
8,957.00	89.78	318.85	7,302.64	1,336.32	-1,295.71	1,856.95	1.01
8,989.00	89.45	319.74	7,302.85	1,360.58	-1,316.58	1,888.94	2.97
9,022.00	89.75	319.74	7,303.08	1,385.76	-1,337.91	1,921.94	0.91
9,054.00	89.66	321.27	7,303.25	1,410.45	-1,358.26	1,953.94	4.79
9,086.00	89.59	319.43	7,303.46	1,435.09	-1,378.68	1,985.94	5.75
9,119.00	89.63	321.20	7,303.68	1,460.49	-1,399.75	2,018.93	5.36
9,149.00	89.72	318.63	7,303.85	1,483.44	-1,419.06	2,048.93	8.57
9,182.00	89.51	316.78	7,304.07	1,507.84	-1,441.27	2,081.90	5.64
9,214.00	89.60	316.97	7,304.32	1,531.20	-1,463.14	2,113.86	0.66

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Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
9,247.00	89.81	316.40	7,304.49	1,555.21	-1,485.78	2,146.81	1.84
9,279.00	89.48	313.38	7,304.69	1,577.79	-1,508.45	2,178.69	9.49
9,311.00	89.54	311.62	7,304.96	1,599.41	-1,532.04	2,210.42	5.50
9,343.00	89.75	310.88	7,305.16	1,620.51	-1,556.10	2,242.07	2.40
9,376.00	89.02	309.05	7,305.51	1,641.70	-1,581.39	2,274.57	5.97
9,408.00	89.94	309.38	7,305.81	1,661.93	-1,606.18	2,306.03	3.05
9,440.00	90.73	309.72	7,305.62	1,682.31	-1,630.85	2,337.51	2.69
9,473.00	90.89	310.07	7,305.15	1,703.47	-1,656.17	2,370.01	1.17
9,505.00	90.86	311.18	7,304.66	1,724.30	-1,680.45	2,401.60	3.47
9,537.00	90.74	313.08	7,304.22	1,745.77	-1,704.18	2,433.30	5.95
9,570.00	90.55	314.92	7,303.84	1,768.69	-1,727.92	2,466.13	5.61
9,601.00	89.29	313.08	7,303.89	1,790.22	-1,750.22	2,496.97	7.19
9,634.00	89.60	311.46	7,304.21	1,812.41	-1,774.63	2,529.68	5.00
9,666.00	89.91	312.88	7,304.34	1,833.90	-1,798.35	2,561.39	4.54
9,698.00	89.35	313.08	7,304.55	1,855.71	-1,821.76	2,593.16	1.86
9,731.00	89.60	313.06	7,304.85	1,878.25	-1,845.87	2,625.93	0.76
9,763.00	89.75	315.61	7,305.04	1,900.61	-1,868.75	2,657.78	7.98
9,795.00	89.54	317.07	7,305.23	1,923.76	-1,890.84	2,689.72	4.61
9,828.00	89.60	316.42	7,305.48	1,947.79	-1,913.46	2,722.67	1.98
9,860.00	89.88	315.43	7,305.63	1,970.78	-1,935.72	2,754.60	3.22
9,893.00	89.57	314.00	7,305.78	1,994.00	-1,959.16	2,787.47	4.43
9,925.00	89.81	313.68	7,305.96	2,016.16	-1,982.25	2,819.29	1.25
9,957.00	89.79	314.55	7,306.07	2,038.44	-2,005.22	2,851.13	2.72
9,990.00	89.17	315.19	7,306.37	2,061.72	-2,028.61	2,884.01	2.70
10,022.00	88.37	316.79	7,307.06	2,084.72	-2,050.83	2,915.93	5.59
10,054.00	88.21	318.35	7,308.01	2,108.33	-2,072.41	2,947.89	4.90
10,087.00	88.45	317.59	7,308.97	2,132.83	-2,094.50	2,980.85	2.41
10,119.00	89.60	317.60	7,309.52	2,156.46	-2,116.07	3,012.82	3.59
10,151.00	89.94	317.70	7,309.65	2,180.11	-2,137.63	3,044.80	1.11
10,183.00	90.86	317.78	7,309.42	2,203.79	-2,159.15	3,076.78	2.89
10,216.00	91.32	317.47	7,308.79	2,228.16	-2,181.39	3,109.75	1.68
10,248.00	91.63	316.83	7,307.97	2,251.62	-2,203.14	3,141.70	2.22
10,280.00	91.76	316.66	7,307.02	2,274.91	-2,225.06	3,173.64	0.67
10,313.00	90.31	315.99	7,306.43	2,298.78	-2,247.84	3,206.57	4.84
10,345.00	89.75	314.89	7,306.41	2,321.58	-2,270.30	3,238.48	3.86
10,378.00	89.41	314.41	7,306.65	2,344.77	-2,293.77	3,271.34	1.78
10,410.00	89.97	312.84	7,306.83	2,366.84	-2,316.94	3,303.16	5.21
10,442.00	89.63	313.51	7,306.94	2,388.74	-2,340.27	3,334.94	2.35
10,473.00	89.19	316.16	7,307.26	2,410.59	-2,362.25	3,365.82	8.66
10,505.00	89.41	315.68	7,307.65	2,433.58	-2,384.51	3,397.74	1.65
10,538.00	90.09	316.36	7,307.79	2,457.32	-2,407.43	3,430.67	2.91
10,570.00	90.06	317.03	7,307.75	2,480.61	-2,429.37	3,462.62	2.10
10,602.00	88.89	317.19	7,308.04	2,504.06	-2,451.15	3,494.58	3.69
10,633.00	89.00	317.56	7,308.61	2,526.86	-2,472.14	3,525.55	1.24
10,665.00	88.86	318.37	7,309.21	2,550.62	-2,493.56	3,557.52	2.57
10,698.00	90.06	316.56	7,309.52	2,574.94	-2,515.87	3,590.49	6.58
10,730.00	90.37	317.33	7,309.40	2,598.32	-2,537.72	3,622.45	2.59
10,762.00	90.43	317.93	7,309.18	2,621.96	-2,559.28	3,654.43	1.88
10,793.00	90.24	316.65	7,309.00	2,644.74	-2,580.31	3,685.40	4.17
10,825.00	90.55	316.57	7,308.78	2,667.99	-2,602.29	3,717.34	1.00
10,856.00	91.20	315.95	7,308.30	2,690.39	-2,623.72	3,748.28	2.90

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10,889.00	90.28	317.09	7,307.88	2,714.33	-2,646.43	3,781.22	4.44
10,921.00	90.34	316.50	7,307.70	2,737.65	-2,668.33	3,813.18	1.85
10,954.00	91.17	316.55	7,307.27	2,761.60	-2,691.04	3,846.12	2.52
10,986.00	90.57	318.00	7,306.78	2,785.10	-2,712.74	3,878.08	4.90
11,018.00	90.80	317.60	7,306.40	2,808.81	-2,734.24	3,910.06	1.44
11,051.00	89.69	317.81	7,306.26	2,833.22	-2,756.44	3,943.04	3.42
11,083.00	89.97	318.05	7,306.36	2,856.97	-2,777.88	3,975.02	1.15
11,116.00	89.78	318.97	7,306.43	2,881.69	-2,799.75	4,008.01	2.85
11,147.00	88.86	318.29	7,306.80	2,904.95	-2,820.23	4,039.00	3.69
11,179.00	87.40	318.91	7,307.84	2,928.94	-2,841.38	4,070.98	4.96
11,212.00	86.97	319.72	7,309.46	2,953.94	-2,862.87	4,103.93	2.78
11,244.00	87.70	319.74	7,310.95	2,978.33	-2,883.53	4,135.90	2.28
11,277.00	87.89	321.52	7,312.22	3,003.82	-2,904.45	4,168.87	5.42
11,309.00	88.49	323.25	7,313.23	3,029.15	-2,923.97	4,200.82	5.72
11,340.00	88.77	325.10	7,313.97	3,054.28	-2,942.11	4,231.72	6.03
11,372.00	88.97	326.75	7,314.60	3,080.78	-2,960.03	4,263.53	5.19
11,402.00	88.60	329.40	7,315.24	3,106.23	-2,975.89	4,293.21	8.92
11,435.00	88.57	329.19	7,316.05	3,134.60	-2,992.74	4,325.75	0.64
11,467.00	88.88	332.15	7,316.76	3,162.48	-3,008.41	4,357.17	9.30
11,500.00	90.00	332.87	7,317.09	3,191.76	-3,023.64	4,389.36	4.03
11,532.00	90.34	331.88	7,316.99	3,220.11	-3,038.48	4,420.60	3.27
11,563.00	90.86	332.45	7,316.67	3,247.52	-3,052.95	4,450.88	2.49
11,596.00	91.17	332.17	7,316.08	3,276.74	-3,068.28	4,483.10	1.27
11,628.00	90.03	333.49	7,315.75	3,305.20	-3,082.89	4,514.27	5.45
11,660.00	90.09	332.66	7,315.71	3,333.73	-3,097.38	4,545.42	2.60
11,693.00	90.81	333.53	7,315.45	3,363.16	-3,112.31	4,577.54	3.42
11,725.00	91.37	332.97	7,314.85	3,391.73	-3,126.72	4,608.66	2.47
11,757.00	92.29	331.40	7,313.82	3,420.02	-3,141.64	4,639.90	5.68
11,788.00	91.26	334.25	7,312.86	3,447.58	-3,155.79	4,670.09	9.77
11,821.00	90.43	335.45	7,312.38	3,477.45	-3,169.81	4,701.95	4.42
11,853.00	90.87	334.47	7,312.01	3,506.44	-3,183.35	4,732.84	3.36
11,884.00	91.70	333.63	7,311.32	3,534.30	-3,196.92	4,762.88	3.81
11,916.00	91.17	336.07	7,310.52	3,563.26	-3,210.51	4,793.78	7.80
11,947.00	89.01	335.13	7,310.47	3,591.49	-3,223.31	4,823.61	7.60
11,979.00	89.50	335.37	7,310.88	3,620.55	-3,236.71	4,854.45	1.71
12,012.00	90.15	336.86	7,310.99	3,650.72	-3,250.07	4,886.13	4.93
12,043.00	90.25	334.91	7,310.88	3,679.01	-3,262.74	4,915.92	6.30
12,075.00	89.56	334.44	7,310.93	3,707.94	-3,276.42	4,946.85	2.61
12,108.00	90.06	336.69	7,311.04	3,737.98	-3,290.07	4,978.61	6.98
12,140.00	90.31	334.67	7,310.94	3,767.14	-3,303.25	5,009.39	6.36
12,171.00	89.16	334.64	7,311.08	3,795.15	-3,316.52	5,039.36	3.71
12,204.00	89.17	335.08	7,311.56	3,825.02	-3,330.54	5,071.22	1.33
12,236.00	90.16	337.13	7,311.75	3,854.28	-3,343.50	5,101.94	7.11
12,268.00	90.86	336.86	7,311.46	3,883.73	-3,356.01	5,132.51	2.34
12,299.00	89.23	337.11	7,311.44	3,912.26	-3,368.13	5,162.13	5.32
12,332.00	89.38	335.06	7,311.84	3,942.43	-3,381.50	5,193.81	6.23
12,363.00	88.15	335.15	7,312.51	3,970.54	-3,394.55	5,223.70	3.98
12,395.00	88.30	335.86	7,313.50	3,999.64	-3,407.81	5,254.50	2.27
12,427.00	87.17	334.64	7,314.76	4,028.68	-3,421.20	5,285.32	5.19
12,451.00	87.26	335.46	7,315.93	4,050.41	-3,431.31	5,308.45	3.43
Final Sperry MWD Survey							

Design Report for Critter Creek 09-15H - Sperry MWD Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
12,500.00	87.26	335.46	7,318.27	4,094.94	-3,451.64	5,355.58	0.00
Straight Line Projection to TD							

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin +N/-S (ft)	Origin +E/-W (ft)	Start TVD (ft)
Target	Critter Creek 09-15H Plan #1 BH Tgt	319.83	Slot	0.00	0.00	0.00

Survey tool program

From (ft)	To (ft)	Survey/Plan	Survey Tool
1,367.00	12,500.00	Sperry MWD Surveys	MWD

Design Report for Critter Creek 09-15H - Sperry MWD Survey**Targets**

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Critter Creek 09-15H - actual wellpath hits target center - Polygon Point 1 Point 2	0.00	0.00	0.00	0.00	0.00	578,630.48	2,300,890.93	40° 54' 59.999 N	104° 24' 40.847 W
				-3,986.00 -3,986.00	4,130.00 75.00	582,711.33 578,656.54	2,296,854.43 2,296,904.22		
Critter Creek 09-15H - actual wellpath misses target center by 20.51ft at 10943.02ft MD (7307.47 TVD, 2753.63 N, -2683.49 E) - Point	0.00	0.00	7,288.00	2,749.00	-2,688.00	581,346.34	2,298,169.32	40° 55' 27.160 N	104° 25' 15.862 W
Critter Creek 09-15H - actual wellpath hits target center - Polygon Point 1 Point 2	0.00	0.00	0.00	0.00	0.00	578,630.48	2,300,890.93	40° 54' 59.999 N	104° 24' 40.847 W
				-4,586.00 650.00	4,730.00 4,730.00	583,303.93 583,368.21	2,296,247.10 2,301,482.83		
Critter Creek 09-15H - actual wellpath hits target center - Polygon Point 1 Point 2	0.00	0.00	0.00	0.00	0.00	578,630.48	2,300,890.93	40° 54' 59.999 N	104° 24' 40.847 W
				650.00 650.00	-525.00 4,730.00	578,113.48 583,368.21	2,301,547.35 2,301,482.83		
Critter Creek 09-15H - actual wellpath hits target center - Polygon Point 1 Point 2	0.00	0.00	0.00	0.00	0.00	578,630.48	2,300,890.93	40° 54' 59.999 N	104° 24' 40.847 W
				-4,586.00 -4,586.00	4,730.00 -525.00	583,303.93 578,049.20	2,296,247.10 2,296,311.61		
Critter Creek 09-15H - actual wellpath hits target center - Polygon Point 1 Point 2	0.00	0.00	0.00	0.00	0.00	578,630.48	2,300,890.93	40° 54' 59.999 N	104° 24' 40.847 W
				-3,986.00 50.00	4,130.00 4,130.00	582,711.33 582,760.88	2,296,854.43 2,300,890.23		
Critter Creek 09-15H - actual wellpath hits target center - Polygon Point 1 Point 2	0.00	0.00	0.00	0.00	0.00	578,630.48	2,300,890.93	40° 54' 59.999 N	104° 24' 40.847 W
				-3,986.00 50.00	75.00 75.00	578,656.54 578,706.09	2,296,904.22 2,300,940.01		
Critter Creek 09-15H - actual wellpath hits target center - Polygon Point 1 Point 2	0.00	0.00	0.00	0.00	0.00	578,630.48	2,300,890.93	40° 54' 59.999 N	104° 24' 40.847 W
				-4,586.00 650.00	-525.00 -525.00	578,049.20 578,113.48	2,296,311.61 2,301,547.35		
Critter Creek 09-15H - actual wellpath misses target center by 57.28ft at 12500.00ft MD (7318.27 TVD, 4094.94 N, -3451.64 E) - Point	0.00	0.00	7,288.00	4,129.22	-3,486.12	582,716.68	2,297,354.29	40° 55' 40.797 N	104° 25' 26.262 W
Critter Creek 09-15H - actual wellpath hits target center - Polygon Point 1 Point 2	0.00	0.00	0.00	0.00	0.00	578,630.48	2,300,890.93	40° 54' 59.999 N	104° 24' 40.847 W
				50.00 50.00	4,130.00 75.00	582,760.88 578,706.09	2,300,890.23 2,300,940.01		

North Reference Sheet for Sec. 15-T11N-R63W - Critter Creek 09-15H - Plan #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 25' @ 5251.00ft (True 30). Northing and Easting are relative to Critter Creek 09-15H

Coordinate System is US State Plane 1927 (Exact solution), Colorado North 501 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 105° 30' 0.000 W°, Longitude Origin: 0° 0' 0.000 E°, Latitude Origin: 40° 47' 0.000 N°

False Easting: 2,000,000.00ft, False Northing: 0.00ft, Scale Reduction: 1.00002436

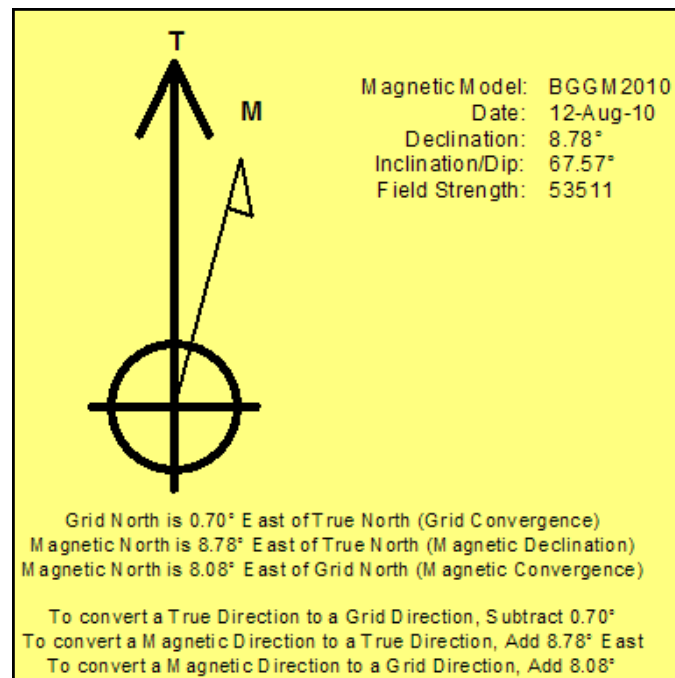
Grid Coordinates of Well: 578,630.48 ft N, 2,300,890.93 ft E

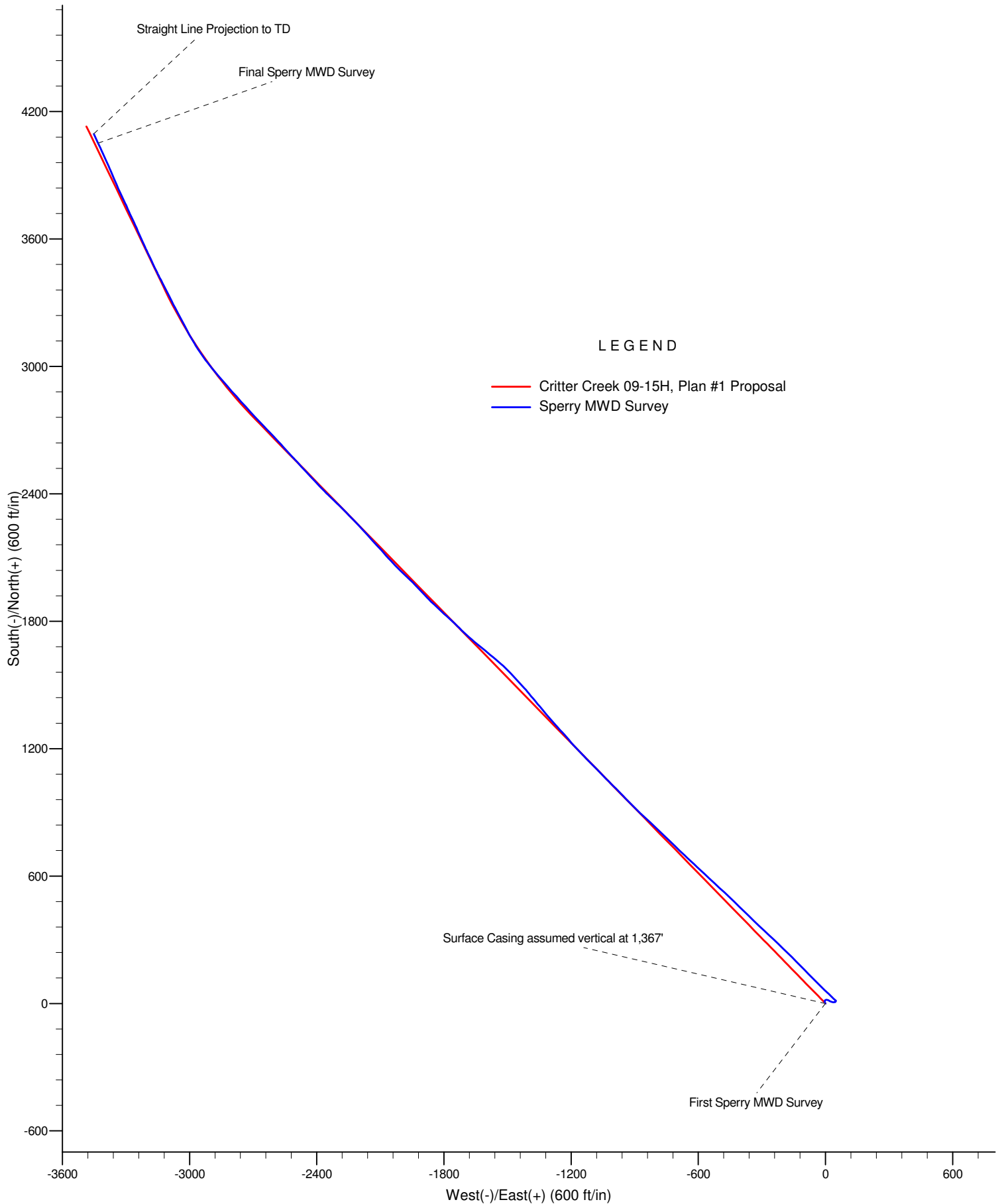
Geographical Coordinates of Well: 40° 54' 60.00" N, 104° 24' 40.85" W

Grid Convergence at Surface is: 0.70°

Based upon Minimum Curvature type calculations, at a Measured Depth of 12,500.00ft
the Bottom Hole Displacement is 5,355.59ft in the Direction of 319.87° (True).

Magnetic Convergence at surface is: -8.08° (12 August 2010, , BGGM2010)





Project: Weld County, CO
Site: Sec. 15-T11N-R63W
Well: Critter Creek 09-15H

EOG Resources, Inc.

