



Weatherford®

SURVEY REPORT

Report Date: **10/12/2011**
 Customer: **Chesapeake**
 Job Name: **4023848**
 Well Name: **Edwin-Bunner 6H**

Field: **Marion County**
 Rig: **Nomac 37**
 Rig Loc: **Marion County**

Survey Calculation Method: Minimum Curvature						
Magnetic Reference	Target Direction	Total Magnetic Field	Magnetic Dip Angle	Magnetic Declination	Grid Convergence	Total Correction
Grid North	158.08 deg	52667 nT	67.14 deg	-8.95 deg	-0.32 deg	-8.63 deg
Survey Tie-On	Depth	INC	AZ	TVD	NS	EW
	2720.00 ft	2.70 deg	220.37 deg	2718.68 ft	-31.56 ft	-32.95 ft

Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head		Vsect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
2920.00	3.65	221.20	2918.37	-39.94	-40.20	22.05	0.48
2953.00	4.87	220.60	2951.28	-41.79	-41.80	23.17	3.70
3080.00	6.07	162.38	3077.79	-52.30	-43.28	32.36	4.27
3144.00	3.16	157.79	3141.57	-57.15	-41.59	37.50	4.59
3271.00	4.73	253.16	3268.37	-61.91	-45.27	40.53	4.66
3461.00	3.85	259.01	3457.84	-65.39	-59.03	38.63	0.51
3588.00	5.86	254.20	3584.38	-67.97	-69.46	37.13	1.62
3714.00	7.69	253.43	3709.49	-72.13	-83.73	35.66	1.45
3841.00	10.37	239.56	3834.92	-80.34	-101.73	36.56	2.70
3969.00	12.25	232.92	3960.44	-94.37	-122.50	41.82	1.79
4095.00	12.96	236.08	4083.40	-110.31	-144.89	48.25	0.78
4220.00	16.08	237.77	4204.40	-127.37	-171.17	54.26	2.52
4346.00	15.79	228.73	4325.57	-147.99	-198.82	63.07	1.98
4473.00	16.85	235.68	4447.47	-169.76	-227.01	72.75	1.75
4599.00	19.73	240.50	4567.10	-190.54	-260.60	79.48	2.58
4726.00	22.71	237.91	4685.48	-214.12	-300.03	86.63	2.46
4853.00	23.11	233.76	4802.47	-241.87	-340.90	97.13	1.31
4979.00	21.00	230.47	4919.25	-270.87	-378.26	110.08	1.94
5105.00	20.90	240.41	5036.96	-296.34	-415.23	119.91	2.82
5232.00	22.41	233.86	5155.01	-321.81	-454.48	128.88	2.24
5359.00	22.05	236.88	5272.58	-349.11	-494.00	139.46	0.94
5485.00	22.68	236.23	5389.10	-375.54	-534.00	149.04	0.54
5613.00	22.80	234.33	5507.15	-403.72	-574.66	160.01	0.58
5741.00	21.18	235.65	5625.84	-431.23	-613.90	170.88	1.33
5868.00	21.56	237.40	5744.11	-456.75	-652.49	180.14	0.58
5995.00	21.54	235.53	5862.23	-482.51	-691.37	189.53	0.54
6122.00	20.85	234.41	5980.64	-508.86	-728.97	199.94	0.63
6249.00	23.03	238.11	6098.44	-535.15	-768.45	209.58	2.03
6376.00	22.19	236.31	6215.68	-561.57	-809.50	218.78	0.86
6504.00	21.10	236.08	6334.66	-587.83	-848.72	228.50	0.86
6631.00	24.23	239.81	6451.84	-613.70	-890.23	237.00	2.71
6758.00	23.45	234.05	6568.02	-641.64	-933.22	246.87	1.93
6884.00	21.82	230.54	6684.32	-671.24	-971.59	260.01	1.68
6958.00	22.36	229.81	6752.89	-689.06	-992.96	268.56	0.82
6990.00	21.64	227.77	6782.56	-696.95	-1001.98	272.52	3.29

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Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head		VSect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
7022.00	21.30	226.03	6812.34	-704.96	-1010.54	276.75	2.24
7054.00	20.88	223.79	6842.20	-713.11	-1018.67	281.28	2.85
7085.00	23.81	219.81	6870.87	-721.91	-1026.50	286.51	10.64
7116.00	26.42	217.46	6898.93	-732.19	-1034.70	292.99	9.01
7147.00	25.70	214.53	6926.78	-743.20	-1042.70	300.22	4.77
7179.00	26.42	210.41	6955.53	-755.06	-1050.24	308.41	6.08
7210.00	28.90	203.93	6982.99	-767.86	-1056.77	317.84	12.57
7242.00	32.74	196.89	7010.48	-783.22	-1062.43	329.98	16.45
7273.00	35.82	191.34	7036.10	-800.14	-1066.65	344.10	14.14
7305.00	39.97	185.32	7061.35	-819.57	-1069.45	361.08	17.35
7336.00	42.71	180.58	7084.63	-840.01	-1070.48	379.66	13.43
7367.00	44.69	174.42	7107.05	-861.38	-1069.52	399.84	15.15
7398.00	46.86	168.98	7128.68	-883.35	-1066.30	421.42	14.38
7430.00	48.07	160.76	7150.33	-906.07	-1060.14	444.80	19.30
7462.00	49.02	155.10	7171.52	-928.27	-1051.12	468.77	13.58
7494.00	52.45	151.85	7191.78	-950.43	-1040.05	493.45	13.29
7526.00	55.46	149.96	7210.60	-973.03	-1027.46	519.12	10.55
7557.00	59.39	148.24	7227.29	-995.43	-1014.04	544.92	13.49
7589.00	63.49	148.98	7242.59	-1019.42	-999.41	572.63	12.97
7620.00	69.08	149.11	7255.05	-1043.75	-984.82	600.65	18.03
7652.00	72.68	151.38	7265.53	-1070.00	-969.83	630.60	13.10
7684.00	76.22	153.27	7274.11	-1097.30	-955.51	661.26	12.43
7716.00	80.30	153.12	7280.62	-1125.25	-941.39	692.47	12.78
7748.00	85.52	151.03	7284.57	-1153.30	-926.52	724.04	17.55
7779.00	88.66	148.41	7286.14	-1180.03	-910.91	754.67	13.17
7811.00	90.09	146.30	7286.49	-1206.97	-893.65	786.10	7.96
7904.00	90.94	144.91	7285.66	-1283.70	-841.12	876.90	1.75
7999.00	90.83	145.29	7284.19	-1361.61	-786.77	969.46	0.42
8093.00	89.35	145.26	7284.05	-1438.87	-733.23	1061.12	1.58
8188.00	89.69	145.02	7284.85	-1516.82	-678.93	1153.71	0.44
8281.00	88.72	146.02	7286.15	-1593.47	-626.29	1244.47	1.50
8375.00	89.29	144.95	7287.78	-1670.91	-573.04	1336.19	1.29
8469.00	89.11	146.37	7289.10	-1748.52	-520.02	1427.98	1.52
8561.00	89.57	145.57	7290.15	-1824.75	-468.53	1517.93	1.00
8655.00	88.72	146.41	7291.55	-1902.66	-415.96	1609.83	1.27
8749.00	90.14	146.87	7292.49	-1981.16	-364.27	1701.95	1.59
8842.00	88.94	147.31	7293.23	-2059.23	-313.74	1793.24	1.37
8935.00	90.09	147.24	7294.02	-2137.47	-263.47	1884.59	1.23
9029.00	87.46	147.81	7296.03	-2216.74	-213.01	1976.97	2.86
9154.00	88.32	147.37	7300.64	-2322.20	-146.06	2099.79	0.77
9278.00	88.94	147.56	7303.60	-2426.71	-79.40	2221.64	0.52
9403.00	89.12	144.74	7305.72	-2530.50	-9.79	2343.91	2.26
9529.00	90.65	143.58	7305.97	-2632.64	63.99	2466.20	1.53
9655.00	92.20	143.19	7302.83	-2733.74	139.11	2588.04	1.27
9780.00	93.73	144.25	7296.35	-2834.37	212.97	2708.97	1.49
9907.00	91.57	145.90	7290.47	-2938.38	285.59	2832.57	2.14
10033.00	89.63	146.02	7289.15	-3042.77	356.12	2955.74	1.55
10158.00	90.20	146.00	7289.33	-3146.41	426.01	3077.98	0.46
10286.00	90.31	145.15	7288.76	-3251.99	498.37	3202.94	0.67
10412.00	92.88	146.33	7285.25	-3356.08	569.27	3325.97	2.24

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Depth (ft)	Inc (deg)	Azm (deg)	TVD (ft)	Well Head		VSect (ft)	Dogleg (deg/100ft)
				NS (ft)	EW (ft)		
10539.00	91.92	147.26	7279.93	-3462.25	638.75	3450.40	1.05
10665.00	91.68	145.83	7275.97	-3567.31	708.18	3573.79	1.15
10792.00	92.47	146.24	7271.37	-3672.57	779.09	3697.91	0.70
10919.00	90.26	148.35	7268.34	-3779.40	847.68	3822.62	2.41
11046.00	91.11	147.51	7266.82	-3887.01	915.10	3947.62	0.94
11174.00	90.14	146.48	7265.42	-3994.35	984.80	4073.22	1.11
11301.00	90.65	145.47	7264.54	-4099.61	1055.86	4197.40	0.89
11428.00	91.45	143.95	7262.21	-4203.25	1129.21	4320.93	1.35
11555.00	90.66	144.70	7259.88	-4306.40	1203.26	4444.26	0.86
11682.00	91.06	146.34	7257.98	-4411.07	1275.15	4568.21	1.33
11807.00	89.86	147.46	7256.98	-4515.78	1343.41	4690.83	1.31
11935.00	87.80	147.72	7259.60	-4623.81	1411.99	4816.65	1.62
12060.00	87.58	147.61	7264.64	-4729.35	1478.79	4939.50	0.20
12188.00	86.37	145.59	7271.40	-4836.05	1549.15	5064.75	1.84
12313.00	87.98	144.68	7277.56	-4938.49	1620.52	5186.42	1.48
12439.00	87.13	145.30	7282.93	-5041.59	1692.74	5309.03	0.83
12565.00	88.60	144.45	7287.62	-5144.57	1765.18	5431.61	1.35
12690.00	89.29	146.25	7289.92	-5247.39	1836.23	5553.52	1.54
12815.00	91.40	146.48	7289.17	-5351.46	1905.45	5675.91	1.70
12855.00	91.85	146.62	7288.03	-5384.82	1927.49	5715.08	1.18

Vertical Section is 5777.83 ft along the target direction of 158.08 deg at a measured depth of 12919.06 ft.
Horizontal Displacement is 5781.62 ft along the well bore azimuth of 160.16 deg.
The total correction is -8.63 deg relative to Grid North.

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