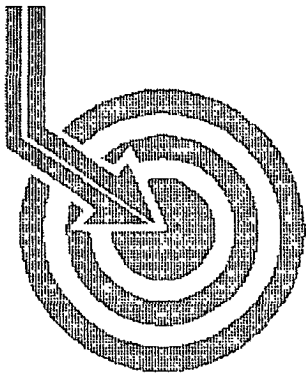




Scientific Drilling

MARBOB ENERGY

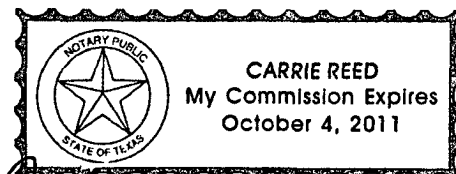
Field: WC Bonespring
Site: Eddy County, NM
Well: Way South State Com #1
Wellpath: VH - Job #32K1209584
Survey: 12/22/09

This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*Robert*..... Company Representative

Notorized this date 31st of December, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: MARBOB ENERGY	Date: 12/29/2009	Time: 13:00:54	Page: 1
Field: WC Bonespring	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Way South State Com #1	Section (VS) Reference:	Well (0.00N,0.00E,268.22Azi)	
Wellpath: VH - Job #32K1209584	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 12/22/09	Start Date: 12/22/2009
KSRG 0'-8900'	
Company: Scientific Drilling Internatio	Engineer: Madrid w/Gray
Tool: Keeper;Keeper Gyro	Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.89	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.37	192.42	100.00	0.08	-0.32	-0.07	0.37	0.32	192.42
200.00	0.42	197.93	200.00	0.28	-0.98	-0.25	0.06	1.01	194.41
300.00	0.65	264.94	299.99	0.97	-1.38	-0.93	0.62	1.66	214.00
400.00	1.58	294.31	399.97	2.78	-0.86	-2.75	1.06	2.88	252.63
500.00	1.81	309.58	499.93	5.20	0.71	-5.22	0.50	5.27	277.77
600.00	1.88	317.76	599.88	7.45	2.93	-7.54	0.27	8.09	291.25
700.00	1.97	319.70	699.82	9.58	5.46	-9.76	0.11	11.18	299.22
800.00	2.44	337.28	799.75	11.42	8.73	-11.69	0.82	14.59	306.76
900.00	2.66	338.32	899.65	12.97	12.85	-13.37	0.22	18.55	313.87
1000.00	2.78	336.03	999.54	14.67	17.23	-15.21	0.16	22.98	318.55
1100.00	2.83	320.18	1099.42	17.11	21.34	-17.78	0.77	27.77	320.20
1200.00	2.74	322.81	1199.30	20.02	25.14	-20.81	0.16	32.63	320.39
1300.00	2.48	326.24	1299.20	22.55	28.84	-23.45	0.30	37.17	320.88
1400.00	2.66	328.55	1399.10	24.84	32.62	-25.87	0.21	41.63	321.59
1500.00	2.66	331.21	1498.99	27.04	36.63	-28.19	0.12	46.23	322.42
1600.00	2.57	347.30	1598.89	28.52	40.85	-29.81	0.74	50.57	323.89
1700.00	2.22	336.03	1698.80	28.77	44.97	-30.18	0.75	54.16	326.13
1800.00	2.77	26.11	1798.71	27.47	49.08	-29.01	1.12	57.01	329.41
1900.00	2.81	40.12	1898.59	24.70	53.12	-26.36	0.68	59.30	333.60
2000.00	2.56	50.81	1998.48	21.29	56.41	-23.05	0.56	60.94	337.77
2100.00	1.99	51.66	2098.40	18.12	58.90	-19.96	0.57	62.19	341.28
2200.00	1.16	51.72	2198.36	15.91	60.60	-17.80	0.83	63.16	343.63
2300.00	0.54	59.37	2298.35	14.69	61.47	-16.60	0.63	63.67	344.88
2400.00	0.59	59.83	2398.35	13.82	61.97	-15.75	0.05	63.94	345.74
2500.00	0.67	56.51	2498.34	12.87	62.55	-14.82	0.09	64.28	346.67
2600.00	0.78	63.90	2598.33	11.75	63.17	-13.72	0.14	64.64	347.74
2700.00	1.02	78.86	2698.32	10.26	63.64	-12.24	0.33	64.81	349.11
2800.00	1.15	82.46	2798.30	8.38	63.94	-10.37	0.15	64.78	350.79
2900.00	1.29	68.88	2898.28	6.32	64.48	-8.33	0.32	65.02	352.64
3000.00	1.16	58.28	2998.26	4.38	65.42	-6.41	0.26	65.73	354.40
3100.00	0.91	57.66	3098.24	2.82	66.38	-4.88	0.25	66.56	355.79
3200.00	0.39	37.64	3198.23	1.92	67.07	-4.00	0.56	67.19	356.58
3300.00	0.32	23.90	3298.23	1.58	67.59	-3.68	0.11	67.70	356.88
3400.00	0.35	19.99	3398.23	1.35	68.14	-3.46	0.04	68.23	357.09
3500.00	0.32	19.10	3498.23	1.13	68.69	-3.27	0.03	68.77	357.28
3600.00	0.39	11.76	3598.23	0.95	69.29	-3.11	0.08	69.35	357.43
3700.00	0.34	9.35	3698.22	0.82	69.91	-2.99	0.05	69.98	357.55
3800.00	0.03	219.40	3798.22	0.78	70.18	-2.96	0.37	70.25	357.59
3900.00	0.18	168.42	3898.22	0.77	70.01	-2.94	0.16	70.07	357.59
4000.00	0.38	182.60	3998.22	0.77	69.52	-2.93	0.21	69.59	357.59
4100.00	0.40	180.96	4098.22	0.81	68.84	-2.95	0.02	68.91	357.55
4200.00	0.43	179.01	4198.22	0.83	68.12	-2.95	0.03	68.18	357.52
4300.00	0.52	175.44	4298.21	0.81	67.29	-2.91	0.09	67.36	357.53
4400.00	0.75	174.13	4398.21	0.75	66.19	-2.80	0.23	66.25	357.58
4500.00	1.21	179.65	4498.19	0.72	64.48	-2.73	0.47	64.54	357.58
4600.00	1.67	187.96	4598.16	1.00	61.98	-2.92	0.50	62.05	357.30
4700.00	1.78	183.31	4698.12	1.38	58.99	-3.22	0.18	59.08	356.88
4800.00	1.70	187.58	4798.07	1.76	55.97	-3.50	0.15	56.08	356.42



Scientific Drilling International

Survey Report

Company: MARBOB ENERGY	Date: 12/29/2009	Time: 13:00:54	Page: 2
Field: WC Bonespring	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Way South State Com #1	Section (VS) Reference:	Well (0.00N,0.00E,268.22Azi)	
Wellpath: VH - Job #32K1209584	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	1.83	193.97	4898.02	2.44	52.95	-4.08	0.24	53.11	355.59
5000.00	1.73	192.47	4997.97	3.24	49.93	-4.79	0.11	50.16	354.52
5100.00	1.78	190.88	5097.93	3.95	46.93	-5.41	0.07	47.24	353.42
5200.00	1.64	184.05	5197.88	4.44	43.97	-5.81	0.25	44.36	352.48
5300.00	1.91	189.43	5297.84	4.91	40.90	-6.18	0.32	41.37	351.41
5400.00	1.54	176.21	5397.79	5.18	37.92	-6.37	0.54	38.45	350.47
5500.00	1.91	181.36	5497.74	5.23	34.91	-6.32	0.40	35.48	349.75
5600.00	2.02	182.23	5597.69	5.44	31.48	-6.42	0.11	32.13	348.47
5700.00	2.29	184.50	5697.61	5.78	27.73	-6.65	0.28	28.52	346.52
5800.00	2.72	196.18	5797.52	6.74	23.46	-7.47	0.67	24.62	342.34
5900.00	2.93	200.62	5897.40	8.44	18.79	-9.03	0.30	20.85	334.34
6000.00	3.24	194.97	5997.25	10.23	13.67	-10.66	0.43	17.33	322.05
6100.00	3.92	187.46	6097.06	11.59	7.55	-11.83	0.82	14.04	302.53
6200.00	3.33	192.51	6196.86	12.86	1.32	-12.91	0.67	12.97	275.86
6300.00	2.78	192.87	6296.72	14.19	-3.88	-14.07	0.55	14.60	254.60
6400.00	2.49	196.41	6396.61	15.48	-8.32	-15.23	0.33	17.36	241.34
6500.00	2.23	198.76	6496.52	16.84	-12.25	-16.47	0.28	20.52	233.36
6600.00	1.84	218.32	6596.46	18.56	-15.35	-18.09	0.79	23.73	229.68
6700.00	2.73	224.95	6696.38	21.33	-18.30	-20.77	0.93	27.68	228.62
6800.00	2.63	224.95	6796.27	24.73	-21.61	-24.07	0.10	32.35	228.09
6900.00	1.33	247.54	6896.21	27.49	-23.67	-26.76	1.49	35.73	228.51
7000.00	1.47	249.04	6996.18	29.78	-24.58	-29.03	0.14	38.04	229.75
7100.00	1.87	241.23	7096.14	32.45	-25.82	-31.66	0.46	40.86	230.80
7200.00	2.00	229.26	7196.08	35.26	-27.74	-34.41	0.42	44.20	231.13
7300.00	1.43	217.31	7296.04	37.40	-29.87	-36.49	0.67	47.16	230.69
7400.00	1.68	264.69	7396.01	39.65	-31.00	-38.71	1.27	49.59	231.31
7500.00	1.62	274.80	7495.96	42.52	-31.02	-41.58	0.30	51.87	233.27
7600.00	1.62	277.24	7595.92	45.32	-30.72	-44.39	0.07	53.98	235.31
7700.00	1.52	279.77	7695.89	48.02	-30.32	-47.10	0.12	56.01	237.23
7800.00	1.59	280.35	7795.85	50.67	-29.85	-49.77	0.07	58.03	239.05
7900.00	0.79	292.77	7895.83	52.66	-29.33	-51.77	0.84	59.50	240.47
8000.00	0.18	205.12	7995.82	53.35	-29.21	-52.47	0.80	60.05	240.90
8100.00	0.99	207.34	8095.82	53.85	-30.12	-52.94	0.81	60.90	240.36
8200.00	1.34	220.52	8195.80	55.05	-31.77	-54.09	0.44	62.73	239.57
8300.00	1.68	238.66	8295.76	57.11	-33.42	-56.10	0.58	65.30	239.22
8400.00	2.09	229.19	8395.71	59.81	-35.38	-58.74	0.51	68.57	238.94
8500.00	1.14	260.01	8495.67	62.21	-36.74	-61.10	1.26	71.29	238.98
8600.00	1.32	247.60	8595.65	64.27	-37.35	-63.14	0.32	73.36	239.39
8700.00	1.60	235.51	8695.62	66.52	-38.58	-65.36	0.41	75.89	239.44
8800.00	1.87	229.61	8795.57	68.97	-40.43	-67.75	0.32	78.90	239.17
8900.00	2.63	224.03	8895.49	71.89	-43.14	-70.59	0.79	82.72	238.57



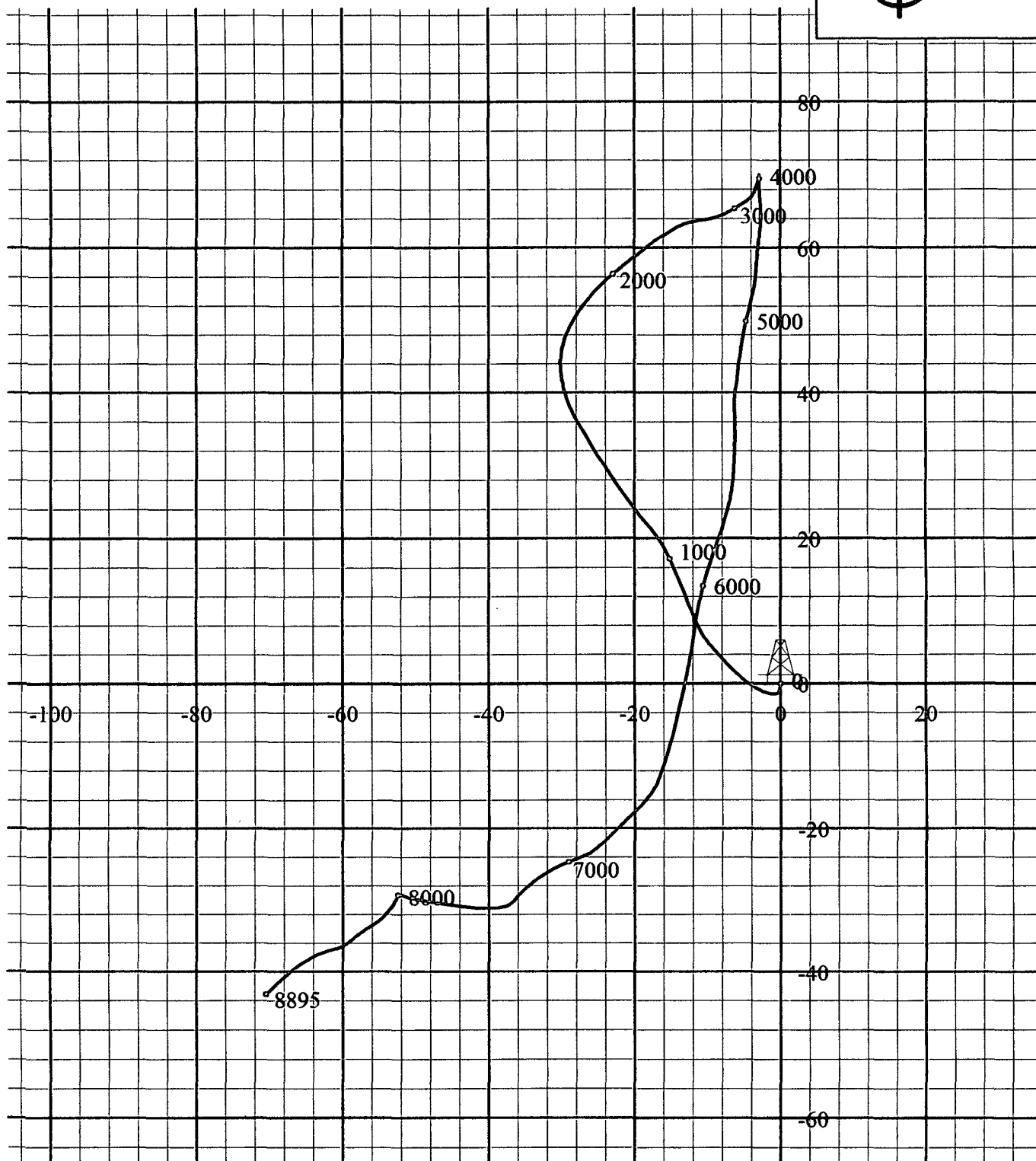
**Scientific
Drilling**

Field: WC Bonespring
Site: Eddy County, NM
Well: Way South State Com #1
Wellpath: VH - Job #32K1209584
Survey: 12/22/09



Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 12/29/2009
Model: igrf2000



South(-)/North(+) [20ft/in]

West(-)/East(+) [20ft/in]