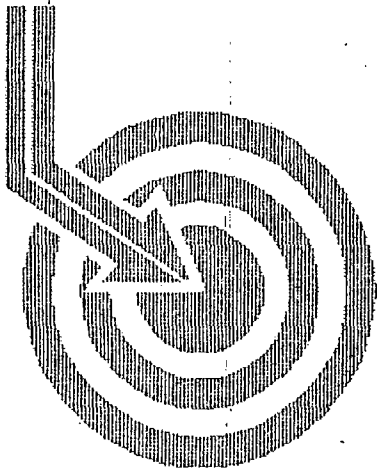




Scientific Drilling

MARBOB ENERGY

Field: WC Bonespring
Site: Eddy County, NM
Well: Craig State Com #1H
Wellpath: VH - Job #32K0210087
Survey: 02/08/10

30-015-37466

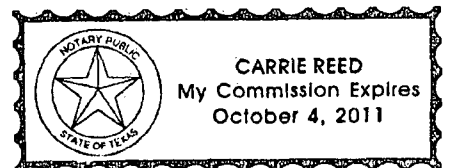
MAR 15 2010

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

Richard
Company Representative

Notorized this date 11th of March, 2010.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International, Inc.

Survey Report

Company: MARBOB ENERGY
Field: WC Bonespring
Site: Eddy County, NM
Well: Craig State Com #1H
Wellpath: VH - Job #32K0210087

Date: 2/15/2010 Time: 09:56:01 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,89.92Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 02/08/10 Start Date: 2/8/2010
Company: Scientific Drilling Internatio Engineer: Madrid/Williams/Renteria
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
0.0	0.00	359.96	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.50	226.12	100.0	-0.3	-0.3	-0.3	0.50	0.4	226.12
200.0	0.89	238.55	200.0	-1.3	-1.0	-1.3	0.42	1.6	231.97
300.0	1.12	240.94	300.0	-2.8	-1.9	-2.8	0.23	3.4	236.06
400.0	1.75	242.92	399.9	-5.0	-3.1	-5.0	0.63	5.9	238.65
500.0	1.93	243.53	499.9	-7.9	-4.5	-7.9	0.18	9.1	240.27
600.0	1.76	237.74	599.8	-10.7	-6.1	-10.7	0.25	12.3	240.40
700.0	1.90	238.28	699.8	-13.4	-7.8	-13.4	0.14	15.5	239.91
800.0	1.87	248.16	799.7	-16.3	-9.2	-16.3	0.33	18.8	240.48
900.0	2.11	260.27	899.7	-19.7	-10.2	-19.7	0.48	22.1	242.66
1000.0	2.62	266.71	999.6	-23.8	-10.6	-23.8	0.57	26.0	245.94
1100.0	2.57	263.05	1099.5	-28.3	-11.0	-28.3	0.17	30.3	248.72
1200.0	2.80	254.96	1199.4	-32.9	-11.9	-32.8	0.44	34.9	250.06
1300.0	2.29	240.26	1299.3	-37.0	-13.5	-36.9	0.82	39.3	249.87
1400.0	1.51	209.08	1399.2	-39.3	-15.7	-39.3	1.27	42.3	248.25
1500.0	1.66	185.06	1499.2	-40.1	-18.3	-40.1	0.68	44.1	245.49
1600.0	2.03	150.55	1599.1	-39.4	-21.3	-39.3	1.15	44.7	241.61
1700.0	3.28	118.61	1699.0	-36.0	-24.2	-36.0	1.89	43.3	236.09
1800.0	3.15	110.73	1798.9	-30.9	-26.5	-30.9	0.46	40.7	229.34
1900.0	2.41	111.87	1898.8	-26.4	-28.3	-26.4	0.74	38.7	222.99
2000.0	1.80	116.41	1998.7	-23.0	-29.8	-23.0	0.63	37.6	217.70
2100.0	1.40	111.19	2098.7	-20.5	-30.9	-20.5	0.43	37.0	213.50
2200.0	1.01	102.52	2198.6	-18.5	-31.5	-18.5	0.43	36.5	210.34
2300.0	0.78	114.17	2298.6	-17.0	-32.0	-17.0	0.29	36.2	207.94
2400.0	0.74	119.32	2398.6	-15.8	-32.6	-15.8	0.08	36.2	205.85
2500.0	0.38	121.00	2498.6	-15.0	-33.1	-14.9	0.36	36.3	204.31
2600.0	0.43	127.11	2598.6	-14.4	-33.5	-14.4	0.07	36.4	203.21
2700.0	0.40	137.24	2698.6	-13.9	-34.0	-13.8	0.08	36.7	202.14
2800.0	0.38	145.79	2798.6	-13.4	-34.5	-13.4	0.06	37.0	201.23
2900.0	0.43	141.55	2898.6	-13.0	-35.1	-13.0	0.06	37.4	200.31
3000.0	0.45	137.45	2998.6	-12.5	-35.6	-12.5	0.04	37.8	199.30
3100.0	0.38	148.05	3098.6	-12.1	-36.2	-12.0	0.10	38.2	198.39
3200.0	0.25	142.75	3198.6	-11.8	-36.7	-11.7	0.13	38.5	197.74
3300.0	0.43	156.78	3298.6	-11.5	-37.2	-11.4	0.20	38.9	197.11
3400.0	0.45	157.23	3398.6	-11.2	-37.9	-11.1	0.02	39.5	196.40
3500.0	0.37	171.12	3498.6	-11.0	-38.6	-10.9	0.13	40.1	195.84
3600.0	0.42	184.00	3598.6	-11.0	-39.3	-10.9	0.10	40.7	195.55
3700.0	0.44	204.33	3698.6	-11.2	-40.0	-11.1	0.15	41.5	195.53
3800.0	0.54	213.50	3798.6	-11.6	-40.7	-11.5	0.13	42.3	195.80
3900.0	0.49	218.23	3898.6	-12.1	-41.4	-12.0	0.07	43.2	196.21
4000.0	0.58	216.73	3998.6	-12.7	-42.2	-12.6	0.09	44.0	196.65
4100.0	0.59	215.62	4098.6	-13.3	-43.0	-13.2	0.02	45.0	197.09
4200.0	0.64	202.40	4198.6	-13.8	-43.9	-13.7	0.15	46.0	197.35
4300.0	0.63	203.80	4298.5	-14.2	-45.0	-14.2	0.02	47.1	197.49
4400.0	0.62	214.11	4398.5	-14.8	-45.9	-14.7	0.11	48.2	197.74
4500.0	0.77	241.75	4498.5	-15.7	-46.7	-15.6	0.36	49.2	198.47
4600.0	0.73	232.90	4598.5	-16.8	-47.4	-16.7	0.12	50.2	199.40
4700.0	0.87	217.11	4698.5	-17.7	-48.4	-17.7	0.26	51.5	200.05
4800.0	1.07	213.17	4798.5	-18.7	-49.8	-18.6	0.21	53.1	200.52



Scientific Drilling International, Inc.

Survey Report

Company: MARBOB ENERGY
Field: WC Bonespring
Site: Eddy County, NM
Well: Craig State Com #1H
Wellpath: VH - Job #32K0210087

Date: 2/15/2010 Time: 09:56:01 Page: 2
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,89.92Azi)
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
4900.0	1.09	207.78	4898.5	-19.6	-51.4	-19.6	0.10	55.0	200.86
5000.0	1.56	209.65	4998.5	-20.8	-53.4	-20.7	0.47	57.3	201.18
5100.0	1.59	210.52	5098.4	-22.1	-55.8	-22.1	0.04	60.0	201.59
5200.0	1.74	210.50	5198.4	-23.6	-58.3	-23.5	0.15	62.9	202.00
5300.0	1.92	212.47	5298.3	-25.3	-61.0	-25.2	0.19	66.0	202.46
5400.0	1.86	214.16	5398.3	-27.1	-63.8	-27.0	0.08	69.3	202.97
5500.0	2.22	223.09	5498.2	-29.4	-66.5	-29.3	0.48	72.7	203.74
5600.0	2.16	221.99	5598.1	-31.9	-69.3	-31.8	0.07	76.3	204.67
5700.0	2.00	223.89	5698.1	-34.4	-72.0	-34.3	0.17	79.8	205.48
5800.0	2.18	243.96	5798.0	-37.3	-74.1	-37.2	0.75	82.9	206.68
5900.0	2.85	239.43	5897.9	-41.2	-76.2	-41.1	0.70	86.6	208.34
6000.0	3.31	231.88	5997.8	-45.6	-79.2	-45.5	0.61	91.4	209.86
6100.0	2.90	235.38	6097.6	-50.0	-82.5	-49.8	0.45	96.4	211.16
6200.0	2.39	253.07	6197.5	-54.0	-84.5	-53.9	0.96	100.2	212.54
6300.0	2.25	273.58	6297.4	-58.0	-85.0	-57.9	0.84	102.8	214.26
6400.0	2.29	274.54	6397.4	-61.9	-84.7	-61.8	0.06	104.9	216.13
6500.0	2.10	274.47	6497.3	-65.8	-84.4	-65.6	0.19	106.9	217.88
6600.0	1.60	284.22	6597.2	-68.9	-83.9	-68.8	0.59	108.5	219.36
6700.0	1.85	285.35	6697.2	-71.9	-83.1	-71.7	0.25	109.8	220.79
6800.0	1.36	289.29	6797.1	-74.5	-82.3	-74.4	0.50	111.0	222.11
6900.0	0.92	285.55	6897.1	-76.4	-81.7	-76.3	0.45	111.8	223.04
7000.0	1.11	259.62	6997.1	-78.1	-81.7	-78.0	0.49	113.0	223.69
7100.0	1.37	249.83	7097.1	-80.2	-82.3	-80.1	0.33	114.8	224.24
7200.0	0.85	289.10	7197.1	-82.0	-82.4	-81.9	0.89	116.2	224.82
7300.0	1.72	290.32	7297.0	-84.2	-81.7	-84.0	0.87	117.2	225.82
7400.0	1.52	286.81	7397.0	-86.8	-80.8	-86.7	0.22	118.5	227.04
7500.0	0.24	250.87	7497.0	-88.3	-80.5	-88.2	1.33	119.4	227.63
7600.0	0.51	140.14	7597.0	-88.2	-80.9	-88.1	0.64	119.6	227.45
7700.0	0.75	90.15	7697.0	-87.3	-81.2	-87.2	0.58	119.1	227.03
7800.0	0.25	122.49	7797.0	-86.4	-81.3	-86.3	0.56	118.6	226.71
7900.0	0.35	159.84	7897.0	-86.1	-81.7	-86.0	0.21	118.7	226.47
8000.0	0.96	218.92	7997.0	-86.6	-82.7	-86.5	0.84	119.6	226.28