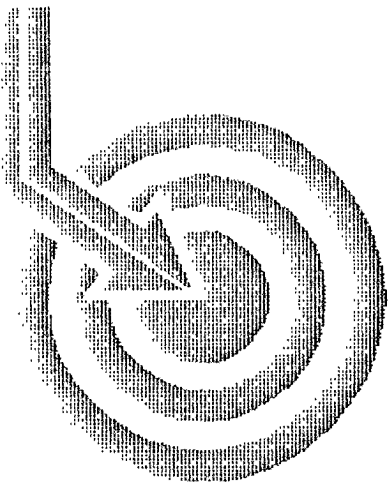




Scientific Drilling

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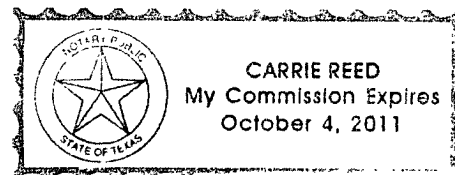
Field: Willow Lake
Site: Eddy County, NM
Well: Showstopper 19 Federal #5
Wellpath: VH - Job #32K0410243
Survey: 04/08/10

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

Company Representative

Notarized this date 6th of May, 2010.

Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International, Inc.

Survey Report

Company: MARBOB ENERGY Date: 4/16/2010 Time: 12:01:56 Page: 1
Field: Willow Lake Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Site: Eddy County, NM Vertical (TVD) Reference: SITE 0.0
Well: Showstopper 19 Federal #5 Section (VS) Reference: Well (0.00N,0.00E,358.04Azi)
Wellpath: VH - Job #32K0410243 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 04/08/10 Start Date: 4/8/2010
Company: Scientific Drilling Internatio Engineer: Madrid w/Apollo
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	359.83	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.45	148.76	100.0	-0.3	-0.3	0.2	0.45	0.4	148.76
200.0	0.39	147.83	200.0	-1.0	-1.0	0.6	0.06	1.1	148.48
300.0	0.59	156.93	300.0	-1.8	-1.7	1.0	0.21	2.0	150.56
400.0	0.68	157.07	400.0	-2.8	-2.7	1.4	0.09	3.1	152.88
500.0	0.89	150.49	500.0	-4.0	-4.0	2.0	0.23	4.4	153.02
600.0	1.07	146.55	600.0	-5.5	-5.4	2.9	0.19	6.2	151.72
700.0	1.20	159.89	699.9	-7.3	-7.2	3.8	0.29	8.1	152.18
800.0	1.21	154.79	799.9	-9.3	-9.1	4.6	0.11	10.2	153.23
900.0	1.10	151.62	899.9	-11.1	-10.9	5.5	0.13	12.2	153.24
1000.0	1.27	153.55	999.9	-13.0	-12.8	6.5	0.17	14.3	153.16
1100.0	1.32	163.09	1099.9	-15.1	-14.9	7.3	0.22	16.5	153.87
1200.0	1.32	176.64	1199.8	-17.4	-17.1	7.7	0.31	18.8	155.80
1300.0	1.41	183.14	1299.8	-19.7	-19.5	7.7	0.18	20.9	158.47
1400.0	1.29	192.02	1399.8	-22.0	-21.8	7.4	0.24	23.0	161.29
1500.0	1.11	210.54	1499.7	-24.0	-23.7	6.7	0.43	24.7	164.34
1600.0	1.12	218.41	1599.7	-25.5	-25.3	5.6	0.15	25.9	167.63
1700.0	1.48	222.24	1699.7	-27.2	-27.1	4.1	0.37	27.4	171.42
1800.0	1.23	225.78	1799.7	-28.8	-28.8	2.4	0.26	28.9	175.14
1900.0	1.17	235.02	1899.7	-30.1	-30.1	0.8	0.20	30.1	178.40
2000.0	0.35	206.30	1999.6	-30.9	-31.0	-0.1	0.88	31.0	180.24
2100.0	1.41	86.28	2099.6	-31.2	-31.2	1.0	1.61	31.2	178.23
2200.0	2.00	86.40	2199.6	-31.1	-31.0	3.9	0.59	31.2	172.77
2300.0	2.52	88.83	2299.5	-31.1	-30.8	7.9	0.53	31.8	165.67
2400.0	2.75	92.11	2399.4	-31.3	-30.9	12.5	0.27	33.3	158.00
2500.0	2.78	93.74	2499.3	-31.7	-31.1	17.3	0.08	35.6	150.94
2600.0	2.33	93.57	2599.2	-32.1	-31.4	21.7	0.45	38.2	145.30
2700.0	1.67	88.12	2699.1	-32.3	-31.5	25.2	0.69	40.3	141.29
2800.0	1.14	94.61	2799.1	-32.4	-31.5	27.7	0.55	41.9	138.71
2900.0	1.03	93.48	2899.1	-32.6	-31.6	29.6	0.11	43.3	136.95
3000.0	0.82	88.28	2999.1	-32.7	-31.7	31.2	0.23	44.4	135.46
3100.0	0.69	94.67	3099.1	-32.8	-31.7	32.5	0.15	45.4	134.30
3200.0	0.60	94.91	3199.1	-32.9	-31.8	33.6	0.09	46.3	133.41
3300.0	0.18	91.15	3299.1	-33.0	-31.8	34.3	0.42	46.8	132.88
3400.0	0.06	163.46	3399.1	-33.1	-31.9	34.5	0.17	46.9	132.79
3500.0	0.19	259.45	3499.1	-33.1	-32.0	34.3	0.21	46.9	132.98
3600.0	0.25	273.74	3599.1	-33.1	-32.0	33.9	0.08	46.6	133.32
3700.0	0.37	277.86	3699.0	-33.1	-31.9	33.4	0.12	46.2	133.72
3800.0	0.47	291.56	3799.0	-32.8	-31.7	32.7	0.14	45.6	134.15
3900.0	0.45	285.80	3899.0	-32.6	-31.5	31.9	0.05	44.8	134.59
4000.0	0.47	287.91	3999.0	-32.3	-31.2	31.2	0.03	44.1	135.08
4100.0	0.73	286.05	4099.0	-32.0	-30.9	30.2	0.26	43.2	135.74
4200.0	0.74	284.08	4199.0	-31.6	-30.6	28.9	0.03	42.1	136.63
4300.0	0.74	276.95	4299.0	-31.3	-30.4	27.6	0.09	41.1	137.69
4400.0	0.77	267.98	4399.0	-31.2	-30.3	26.3	0.12	40.2	139.02
4500.0	0.81	274.19	4499.0	-31.1	-30.3	25.0	0.09	39.2	140.51
4600.0	0.75	271.18	4599.0	-31.0	-30.2	23.6	0.07	38.3	142.02
4700.0	0.67	276.19	4699.0	-30.9	-30.1	22.4	0.10	37.5	143.43
4800.0	0.61	252.77	4799.0	-31.0	-30.2	21.3	0.27	37.0	144.87



Scientific Drilling International, Inc.

Survey Report

Company: MARBOB ENERGY
 Field: Willow Lake
 Site: Eddy County, NM
 Well: Showstopper 19 Federal #5
 Wellpath: VH - Job #32K0410243

Date: 4/16/2010 Time: 12:01:56 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,358 04Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

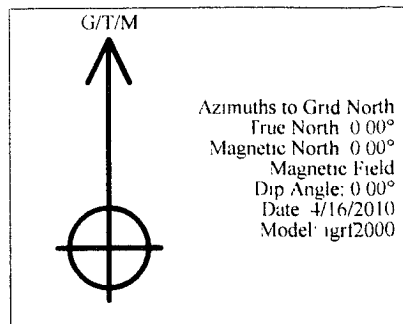
Survey

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	0.69	232.00	4899.0	-31.4	-30.8	20.3	0.25	36.9	146.60
5000.0	0.96	225.84	4999.0	-32.4	-31.7	19.2	0.28	37.1	148.79
5100.0	1.08	215.10	5098.9	-33.7	-33.1	18.1	0.23	37.7	151.35
5200.0	1.01	215.14	5198.9	-35.1	-34.6	17.0	0.07	38.5	153.78
5300.0	1.11	213.41	5298.9	-36.6	-36.1	16.0	0.10	39.5	156.12
5400.0	1.09	205.91	5398.9	-38.3	-37.8	15.0	0.15	40.6	158.29
5500.0	1.11	208.06	5498.9	-39.9	-39.5	14.2	0.05	41.9	160.26
5600.0	0.99	207.78	5598.9	-41.5	-41.1	13.3	0.12	43.2	162.06
5700.0	1.08	208.31	5698.8	-43.1	-42.7	12.5	0.09	44.5	163.73
5800.0	1.20	210.25	5798.8	-44.8	-44.4	11.5	0.13	45.9	165.51
5900.0	1.21	205.70	5898.8	-46.6	-46.3	10.5	0.10	47.5	167.22
6000.0	1.30	208.46	5998.8	-48.5	-48.2	9.5	0.11	49.2	168.86
6100.0	1.41	202.98	6098.7	-50.6	-50.4	8.5	0.17	51.1	170.44
6200.0	1.38	199.81	6198.7	-52.9	-52.6	7.6	0.08	53.2	171.79
6300.0	1.39	198.13	6298.7	-55.1	-54.9	6.8	0.04	55.3	172.94
6400.0	1.28	205.08	6398.7	-57.2	-57.1	6.0	0.20	57.4	174.05
6500.0	0.88	225.53	6498.6	-58.8	-58.6	4.9	0.55	58.8	175.19
6600.0	0.69	229.79	6598.6	-59.6	-59.5	3.9	0.20	59.7	176.23
6700.0	1.26	226.72	6698.6	-60.7	-60.7	2.7	0.57	60.8	177.49
6800.0	2.60	221.00	6798.6	-63.1	-63.2	0.4	1.35	63.2	179.66
6900.0	2.65	214.34	6898.5	-66.7	-66.8	-2.4	0.31	66.8	182.07
7000.0	2.24	206.50	6998.4	-70.2	-70.4	-4.6	0.53	70.6	183.73
7100.0	1.25	192.08	7098.3	-73.0	-73.3	-5.7	1.08	73.5	184.44
7200.0	0.56	304.71	7198.3	-73.8	-74.0	-6.3	1.55	74.3	184.88
7300.0	2.02	343.51	7298.3	-71.8	-72.1	-7.2	1.62	72.4	185.72
7400.0	2.45	3.82	7398.2	-68.0	-68.2	-7.6	0.89	68.7	186.34
7500.0	1.90	9.45	7498.1	-64.2	-64.5	-7.2	0.59	64.9	186.34
7600.0	1.02	10.19	7598.1	-61.7	-62.0	-6.7	0.88	62.3	186.21
7700.0	0.57	30.39	7698.1	-60.4	-60.7	-6.3	0.52	61.0	185.96
7800.0	1.59	72.97	7798.1	-59.6	-59.8	-4.8	1.23	60.0	184.54
7900.0	1.80	90.09	7898.0	-59.3	-59.4	-1.9	0.55	59.5	181.79
8000.0	2.04	126.95	7998.0	-60.5	-60.5	1.1	1.23	60.5	178.92



Scientific
Drilling

Field: Willow Lake
Site: Eddy County, NM
Well: Showstopper 19 Federal #5
Survey: 04/08/10



South(-)/North(+) [10ft/in]

West(-)/East(+) [10ft/in]

