



Scientific Drilling International Survey Report

Company: MARBOB ENERGY	Date: 06/05/2009	Time: 16:07:11	Page: 1
Field: San Lorenzo Bone Spring	Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North		
Site: Eddy County, NM	Vertical (TVD) Reference: SITE 0.0		
Well: Myox 16 State Com #7	Section (VS) Reference: Well (0.00N,0.00E,89.45Azi)		
Wellpath: VH- Job #32K0509162	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 05/02/09	Start Date: 05/02/2009
Company: KSRG 0'-6090'	
Tool: Scientific Drilling Internatio	Engineer: Garza/Williams/Lanier
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	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.79	112.60	100.00	0.63	-0.26	0.64	0.79	0.69	112.60
200.00	0.69	119.56	199.99	1.79	-0.83	1.80	0.13	1.98	114.71
300.00	0.78	109.06	299.98	2.95	-1.35	2.96	0.16	3.26	114.43
400.00	1.00	119.37	399.97	4.35	-2.00	4.37	0.27	4.80	114.57
500.00	1.35	118.93	499.95	6.13	-2.99	6.16	0.35	6.85	115.93
600.00	1.42	113.74	599.92	8.28	-4.06	8.32	0.14	9.26	116.02
700.00	1.49	121.07	699.89	10.52	-5.23	10.57	0.20	11.80	116.33
800.00	1.66	138.79	799.85	12.57	-6.99	12.64	0.51	14.45	118.95
900.00	1.54	140.91	899.81	14.35	-9.13	14.44	0.13	17.08	122.29
1000.00	1.63	148.07	999.77	15.93	-11.38	16.04	0.22	19.67	125.34
1100.00	1.46	147.90	1099.73	17.34	-13.66	17.47	0.17	22.18	128.03
1200.00	1.54	120.30	1199.70	19.16	-15.42	19.31	0.72	24.71	128.61
1300.00	1.24	127.18	1299.67	21.17	-16.75	21.33	0.34	27.12	128.14
1400.00	0.99	136.63	1399.65	22.61	-18.03	22.78	0.31	29.06	128.36
1500.00	0.88	152.51	1499.64	23.55	-19.34	23.73	0.28	30.62	129.18
1600.00	0.83	142.65	1599.63	24.33	-20.60	24.53	0.16	32.03	130.03
1700.00	0.86	143.14	1699.62	25.21	-21.78	25.42	0.03	33.47	130.59
1800.00	1.17	127.05	1799.60	26.46	-22.99	26.68	0.42	35.22	130.75
1900.00	1.97	108.12	1899.57	28.90	-24.14	29.13	0.94	37.83	129.65
2000.00	1.97	93.38	1999.51	32.24	-24.78	32.48	0.51	40.85	127.34
2100.00	2.37	89.48	2099.43	36.02	-24.86	36.26	0.43	43.97	124.43
2200.00	2.86	87.83	2199.33	40.58	-24.75	40.82	0.50	47.74	121.22
2300.00	3.08	85.20	2299.20	45.76	-24.43	45.99	0.26	52.08	117.97
2400.00	2.23	83.05	2399.09	50.37	-23.97	50.60	0.86	55.99	115.34
2500.00	1.18	70.03	2499.04	53.27	-23.38	53.50	1.11	58.39	113.61
2600.00	0.83	68.43	2599.03	54.92	-22.76	55.14	0.35	59.65	112.43
2700.00	0.58	58.77	2699.02	56.03	-22.23	56.25	0.28	60.48	111.57
2800.00	0.45	62.73	2799.02	56.82	-21.79	57.03	0.13	61.05	110.91
2900.00	0.45	54.96	2899.01	57.49	-21.39	57.70	0.06	61.54	110.34
3000.00	0.26	349.20	2999.01	57.78	-20.94	57.98	0.42	61.64	109.85
3100.00	0.28	317.10	3099.01	57.57	-20.53	57.77	0.15	61.31	109.57
3200.00	0.32	288.87	3199.01	57.14	-20.27	57.34	0.15	60.82	109.46
3300.00	0.34	269.61	3299.01	56.58	-20.18	56.78	0.11	60.26	109.56
3400.00	0.44	266.35	3399.00	55.90	-20.20	56.10	0.10	59.63	109.81
3500.00	0.41	257.58	3499.00	55.17	-20.31	55.37	0.07	58.97	110.14
3600.00	0.47	252.88	3599.00	54.43	-20.50	54.63	0.07	58.35	110.57
3700.00	0.45	268.15	3699.00	53.64	-20.64	53.84	0.12	57.66	110.97
3800.00	0.57	253.42	3798.99	52.77	-20.79	52.97	0.18	56.91	111.43
3900.00	0.33	253.33	3898.99	52.01	-21.02	52.22	0.24	56.29	111.92
4000.00	0.42	234.78	3998.99	51.44	-21.31	51.64	0.15	55.87	112.42
4100.00	0.45	220.56	4098.98	50.88	-21.82	51.09	0.11	55.55	113.13
4200.00	0.43	219.33	4198.98	50.38	-22.41	50.60	0.02	55.34	113.89
4300.00	0.58	228.90	4298.98	49.75	-23.03	49.98	0.17	55.03	114.74
4400.00	0.66	240.21	4398.97	48.87	-23.65	49.10	0.15	54.49	115.72
4500.00	0.80	237.24	4498.96	47.77	-24.31	48.01	0.14	53.81	116.86
4600.00	0.39	240.92	4598.96	46.88	-24.86	47.12	0.41	53.28	117.81
4700.00	0.32	224.06	4698.95	46.39	-25.22	46.63	0.13	53.02	118.41
4800.00	0.21	196.79	4798.95	46.14	-25.60	46.39	0.16	52.98	118.89



Scientific Drilling International

Survey Report

Company: MARBOB ENERGY
Field: San Lorenzo Bone Spring
Site: Eddy County, NM
Well: Myox 16 State Com #7
Wellpath: VH - Job #32K0509162

Date: 06/05/2009 Time: 16:05:38 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,89.45Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

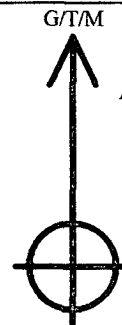
Survey

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	0.21	182.20	4898.95	46.07	-25.96	46.33	0.05	53.10	119.26
5000.00	0.30	193.06	4998.95	46.00	-26.40	46.26	0.10	53.26	119.71
5100.00	0.25	197.52	5098.95	45.87	-26.86	46.13	0.05	53.38	120.21
5200.00	0.28	137.25	5198.95	45.97	-27.25	46.23	0.27	53.67	120.51
5300.00	0.31	136.87	5298.95	46.32	-27.62	46.59	0.03	54.16	120.67
5400.00	0.47	124.98	5398.95	46.83	-28.06	47.11	0.18	54.83	120.78
5500.00	0.43	117.21	5498.94	47.50	-28.46	47.78	0.07	55.61	120.78
5600.00	0.44	119.07	5598.94	48.17	-28.82	48.45	0.02	56.37	120.75
5700.00	0.41	131.53	5698.94	48.77	-29.24	49.05	0.10	57.11	120.80
5800.00	0.40	118.42	5798.94	49.34	-29.65	49.62	0.09	57.81	120.86
5900.00	0.50	138.13	5898.93	49.93	-30.14	50.22	0.18	58.57	120.97
6000.00	0.39	167.82	5998.93	50.29	-30.80	50.58	0.25	59.22	121.33
6090.00	0.46	183.79	6088.93	50.32	-31.46	50.63	0.15	59.60	121.85



Scientific
Drilling

Field: San Lorenzo Bone Spring
Site: Eddy County, NM
Well: Myox 16 State Com #7
Wellpath: VH - Job #32K0509162
Survey: 05/02/09



G/T/M
Azimuths to Grid North
True North: 0.00°
Magnetic North: 0.00°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 06/05/2009
Model: igrf2000

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

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

