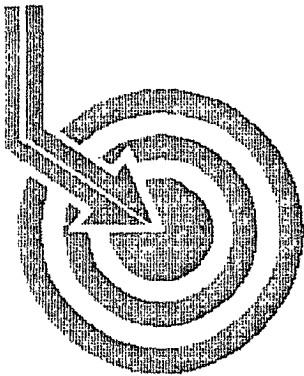




Scientific Drilling

MARBOB ENERGY

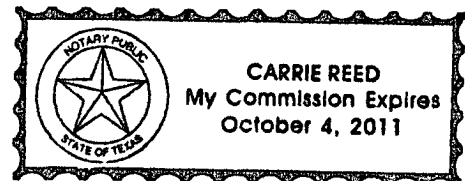
Field: Lusk Bone Springs
Site: Eddy County, NM
Well: Liberator Federal Com #1
Wellpath: VH - Job #32K0909363
Survey: 09/12/09

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

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

Notorized this date 22nd of September, 2009.

Carrie Reed
Notary Signature
County of Midland
State of Texas



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Scientific Drilling International Survey Report

Company: MARBOB ENERGY	Date: 09/18/2009	Time: 11:57:56	Page: 1
Field: Lusk Bone Springs	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Liberator Federal Com #1	Section (VS) Reference:	Well (0.00N,0.00E,179.60Azi)	
Wellpath: VH - Job #32K0909363	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 09/12/09	Start Date: 09/12/2009
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	ClbD ft	ClbA deg
0.00	0.00	359.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.19	172.28	100.00	0.16	-0.16	0.02	0.19	0.17	172.28
200.00	0.20	189.49	200.00	0.50	-0.50	0.02	0.06	0.50	178.20
300.00	0.33	210.40	300.00	0.92	-0.92	-0.16	0.16	0.93	189.78
400.00	0.49	211.84	400.00	1.53	-1.53	-0.53	0.16	1.62	199.07
500.00	0.75	212.58	499.99	2.44	-2.45	-1.11	0.26	2.69	204.36
600.00	0.89	212.37	599.98	3.64	-3.66	-1.88	0.14	4.11	207.17
700.00	0.76	209.04	699.97	4.87	-4.89	-2.61	0.14	5.55	208.12
800.00	0.83	211.03	799.96	6.07	-6.09	-3.31	0.08	6.93	208.51
900.00	0.69	182.84	899.95	7.29	-7.31	-3.71	0.39	8.20	206.91
1000.00	0.64	168.83	999.94	8.44	-8.46	-3.63	0.17	9.21	203.24
1100.00	0.58	162.69	1099.94	9.47	-9.49	-3.38	0.09	10.08	199.57
1200.00	0.56	156.39	1199.93	10.40	-10.42	-3.03	0.07	10.86	196.20
1300.00	0.62	154.63	1299.93	11.34	-11.36	-2.60	0.06	11.66	192.90
1400.00	0.53	125.72	1399.92	12.11	-12.12	-1.99	0.30	12.28	189.34
1500.00	0.44	123.15	1499.92	12.59	-12.60	-1.30	0.09	12.67	185.88
1600.00	0.52	98.39	1599.92	12.87	-12.88	-0.53	0.22	12.89	182.34
1700.00	0.62	85.76	1699.91	12.91	-12.90	0.46	0.16	12.91	177.95
1800.00	1.03	70.45	1799.90	12.57	-12.56	1.85	0.46	12.70	171.63
1900.00	1.61	71.61	1899.87	11.85	-11.82	4.03	0.58	12.49	161.18
2000.00	2.03	65.71	1999.82	10.69	-10.65	6.98	0.46	12.73	146.77
2100.00	2.08	64.32	2099.76	9.20	-9.13	10.23	0.07	13.71	131.76
2200.00	2.15	65.65	2199.69	7.67	-7.57	13.57	0.09	15.54	119.16
2300.00	2.10	66.16	2299.62	6.18	-6.06	16.95	0.05	18.00	109.66
2400.00	2.17	63.09	2399.55	4.60	-4.46	20.32	0.13	20.80	102.38
2500.00	1.40	79.60	2499.50	3.54	-3.38	23.21	0.92	23.45	98.29
2600.00	0.94	110.10	2599.48	3.62	-3.44	25.18	0.76	25.42	97.79
2700.00	0.80	138.24	2699.47	4.43	-4.25	26.42	0.44	26.76	99.13
2800.00	0.82	136.69	2799.46	5.48	-5.29	27.37	0.03	27.88	100.93
2900.00	0.79	150.94	2899.45	6.61	-6.41	28.20	0.20	28.92	102.81
3000.00	0.70	161.31	2999.44	7.79	-7.59	28.73	0.16	29.71	104.80
3100.00	0.63	187.05	3099.44	8.92	-8.72	28.86	0.30	30.14	106.81
3200.00	0.54	201.54	3199.43	9.90	-9.70	28.62	0.17	30.22	108.73
3300.00	0.54	196.82	3299.43	10.79	-10.59	28.31	0.04	30.22	110.51
3400.00	0.55	204.22	3399.42	11.67	-11.48	27.97	0.07	30.24	112.31
3500.00	0.57	204.28	3499.42	12.56	-12.37	27.57	0.02	30.22	114.16
3600.00	0.42	203.56	3599.42	13.35	-13.16	27.22	0.15	30.23	115.80
3700.00	0.34	188.73	3699.41	13.98	-13.79	27.03	0.13	30.34	117.03
3800.00	0.31	176.15	3799.41	14.54	-14.35	27.00	0.08	30.58	117.99
3900.00	0.29	185.66	3899.41	15.06	-14.87	27.00	0.05	30.82	118.85
4000.00	0.69	190.47	3999.41	15.90	-15.72	26.86	0.40	31.12	120.33
4100.00	0.89	196.34	4099.40	17.24	-17.05	26.53	0.22	31.54	122.73
4200.00	1.23	192.41	4199.38	19.03	-18.85	26.08	0.35	32.18	125.85
4300.00	1.38	192.11	4299.35	21.25	-21.07	25.60	0.15	33.16	129.46
4400.00	1.42	194.00	4399.32	23.63	-23.45	25.05	0.06	34.31	133.12
4500.00	1.32	196.93	4499.30	25.93	-25.76	24.41	0.12	35.49	136.54
4600.00	1.16	205.51	4599.27	27.94	-27.77	23.64	0.24	36.47	139.59
4700.00	1.05	212.44	4699.25	29.62	-29.46	22.71	0.17	37.20	142.37
4800.00	0.99	233.97	4799.24	30.89	-30.74	21.52	0.39	37.53	145.00

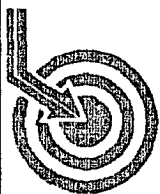


Scientific Drilling International Survey Report

Company: MARBOB ENERGY	Date: 09/18/2009	Time: 11:57:56	Page: 2
Field: Lusk Bone Springs	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Liberator Federal Com #1	Section (VS) Reference:	Well (0.00N,0.00E,179.60Azi)	
Wellpath: VH - Job #32K0909363	Survey Calculation Method:	Minimum Curvature Db: Sybase	

Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
4900.00	0.90	256.33	4899.22	31.57	-31.44	20.06	0.38	37.29	147.45
5000.00	0.81	276.16	4999.21	31.67	-31.55	18.60	0.31	36.62	149.48
5100.00	0.97	295.29	5099.20	31.23	-31.11	17.13	0.34	35.51	151.16
5200.00	1.51	342.46	5199.18	29.60	-29.49	15.97	1.11	33.53	151.57
5300.00	1.76	359.70	5299.14	26.81	-26.70	15.56	0.55	30.90	149.76
5400.00	1.72	11.52	5399.09	23.80	-23.69	15.85	0.36	28.51	146.21
5500.00	1.76	17.90	5499.05	20.88	-20.76	16.62	0.20	26.60	141.31
5600.00	1.70	18.66	5599.00	18.02	-17.89	17.57	0.06	25.08	135.52
5700.00	1.57	16.16	5698.96	15.30	-15.17	18.43	0.15	23.87	129.47
5800.00	1.34	17.73	5798.93	12.88	-12.74	19.16	0.23	23.01	123.62
5900.00	1.27	14.76	5898.90	10.69	-10.56	19.80	0.10	22.44	118.06
6000.00	1.20	13.44	5998.88	8.61	-8.47	20.33	0.08	22.02	112.61
6100.00	1.10	5.29	6098.86	6.64	-6.49	20.66	0.19	21.66	107.45
6200.00	0.89	2.57	6198.85	4.91	-4.76	20.78	0.22	21.32	102.90
6300.00	0.88	352.49	6298.83	3.37	-3.22	20.72	0.16	20.97	98.84
6400.00	1.01	348.31	6398.82	1.74	-1.60	20.44	0.15	20.50	94.47
6500.00	1.08	344.04	6498.80	-0.03	0.17	20.00	0.10	20.00	89.51
6600.00	1.02	345.72	6598.79	-1.80	1.94	19.52	0.07	19.62	84.33
6700.00	1.13	345.32	6698.77	-3.62	3.75	19.05	0.11	19.42	78.85
6800.00	1.16	346.97	6798.75	-5.56	5.69	18.58	0.04	19.43	72.96
6900.00	1.25	357.24	6898.73	-7.64	7.77	18.29	0.23	19.88	66.99
7000.00	1.20	3.25	6998.70	-9.78	9.91	18.30	0.14	20.81	61.58
7100.00	1.00	29.95	7098.69	-11.58	11.71	18.80	0.54	22.14	58.08
7200.00	1.03	42.17	7198.67	-12.99	13.13	19.84	0.22	23.79	56.50
7300.00	1.71	86.71	7298.64	-13.73	13.88	21.93	1.21	25.95	57.67
7400.00	2.18	85.55	7398.59	-13.94	14.11	25.31	0.47	28.98	60.86
7500.00	2.20	82.79	7498.51	-14.30	14.50	29.11	0.11	32.53	63.52
7600.00	2.01	74.11	7598.45	-14.99	15.22	32.71	0.37	36.07	65.04
7700.00	2.25	82.33	7698.38	-15.71	15.97	36.34	0.39	39.69	66.28
7800.00	3.12	90.43	7798.27	-15.92	16.21	41.00	0.95	44.09	68.43
7900.00	3.55	85.65	7898.10	-16.09	16.42	46.81	0.51	49.61	70.67
8000.00	3.47	81.74	7997.91	-16.72	17.09	52.89	0.25	55.59	72.09
8100.00	0.87	85.82	8097.83	-17.19	17.58	56.65	2.60	59.31	72.76
8200.00	0.74	91.77	8197.82	-17.21	17.62	58.05	0.15	60.66	73.12
8300.00	0.82	77.80	8297.81	-17.33	17.75	59.39	0.21	61.99	73.36
8400.00	1.05	71.22	8397.80	-17.77	18.19	60.96	0.25	63.62	73.38
8500.00	0.94	72.30	8497.78	-18.30	18.74	62.61	0.11	65.35	73.34
8600.00	0.32	139.91	8597.78	-18.33	18.77	63.57	0.87	66.29	73.55
8605.00	0.31	135.57	8602.78	-18.31	18.75	63.59	0.52	66.30	73.57



**Scientific
Drilling**

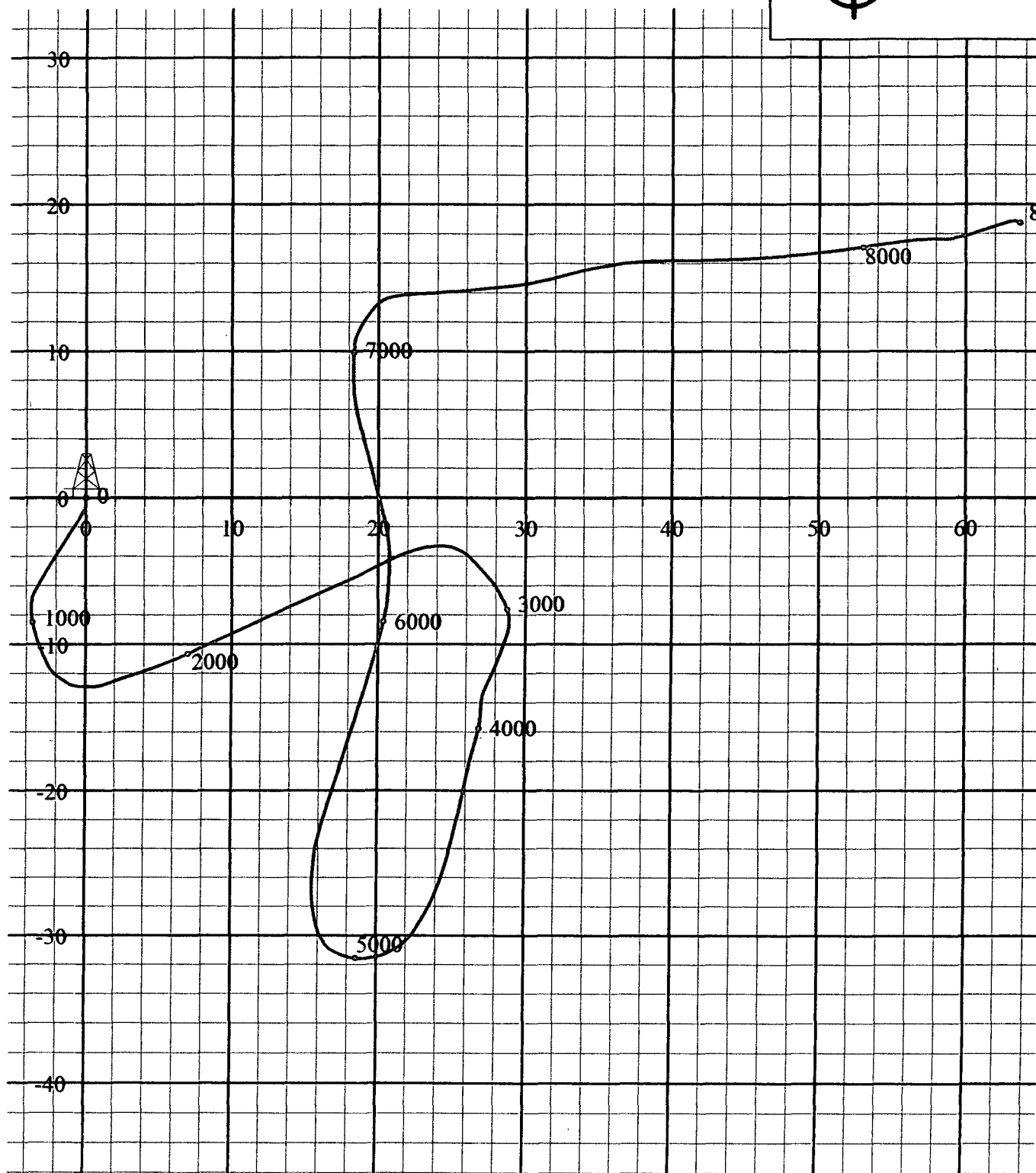
Field: Lusk Bone Springs
Site: Eddy County, NM
Well: Liberator Federal Com #1
Wellpath: VH - Job #32K0909363
Survey: 09/12/09



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 09/18/2009
Model: igrf2000

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



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