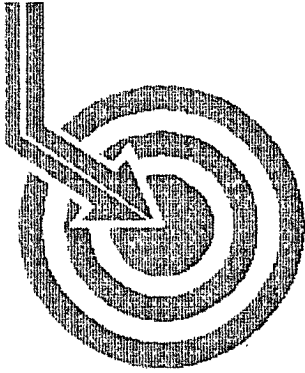


rec'd 2-22-2010



Scientific Drilling

MARBOB ENERGY

Field: Willow Lake
Site: Eddy County, NM
Well: White Federal #1H
Wellpath: VH - Job #32K1109500
Survey: 11/18/09

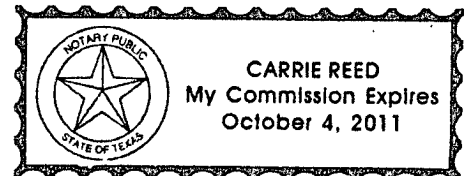
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Stuart..... Company Representative

Notorized this date 10th of December, 2009.

Carrie Reed

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: MARBOB ENERGY	Date: 11/24/2009	Time: 13:07:02	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: White Federal #1H	Section (VS) Reference:	Well (0.00N,0.00E,179.71Azi)	
Wellpath: VH - Job #32K1109500	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 11/18/09	Start Date: 11/18/2009
Company: KSRG 0'-6745'	Engineer: Guebara/Garza/Williams
Tool: Scientific Drilling Internatio	Tied-to: From Surface
Keeper, Keeper Gyro	

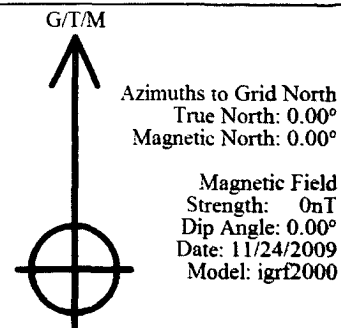
Survey

MD ft	Incl deg	Azlm deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	359.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.23	267.20	100.00	0.01	-0.01	-0.20	0.23	0.20	267.20
200.00	0.22	168.95	200.00	0.21	-0.21	-0.36	0.34	0.42	240.26
300.00	1.51	103.14	299.99	0.70	-0.70	0.96	1.43	1.18	126.06
400.00	2.13	118.51	399.94	1.90	-1.88	3.87	0.78	4.31	115.93
500.00	2.80	128.48	499.84	4.33	-4.29	7.42	0.79	8.57	120.04
600.00	2.80	129.02	599.72	7.40	-7.35	11.23	0.03	13.42	123.20
700.00	1.31	164.93	699.66	10.06	-9.99	13.42	1.90	16.73	126.66
800.00	1.27	191.02	799.64	12.25	-12.18	13.51	0.58	18.19	132.04
900.00	1.51	202.63	899.61	14.55	-14.48	12.79	0.37	19.32	138.56
1000.00	1.36	202.90	999.58	16.85	-16.79	11.82	0.15	20.54	144.86
1100.00	1.47	193.49	1099.55	19.19	-19.13	11.06	0.26	22.10	149.97
1200.00	1.29	181.48	1199.52	21.56	-21.51	10.73	0.34	24.03	153.48
1300.00	1.23	159.96	1299.49	23.70	-23.64	11.07	0.47	26.10	154.91
1400.00	1.04	140.56	1399.47	25.41	-25.35	12.01	0.43	28.05	154.64
1500.00	1.30	121.64	1499.45	26.71	-26.65	13.56	0.46	29.90	153.04
1600.00	1.39	108.56	1599.43	27.71	-27.63	15.67	0.32	31.76	150.44
1700.00	1.30	105.14	1699.40	28.40	-28.31	17.92	0.12	33.50	147.67
1800.00	1.18	96.28	1799.37	28.82	-28.72	20.03	0.23	35.02	145.10
1900.00	1.42	93.81	1899.35	29.03	-28.91	22.29	0.25	36.51	142.36
2000.00	1.37	82.03	1999.32	28.95	-28.83	24.71	0.29	37.97	139.39
2100.00	1.01	56.64	2099.30	28.31	-28.18	26.63	0.63	38.77	136.61
2200.00	0.92	63.44	2199.28	27.48	-27.34	28.09	0.15	39.19	134.22
2300.00	1.00	76.61	2299.27	26.92	-26.77	29.66	0.23	39.95	132.08
2400.00	2.10	82.67	2399.23	26.50	-26.34	32.32	1.11	41.69	129.18
2500.00	2.32	83.31	2499.16	26.05	-25.87	36.15	0.22	44.45	125.59
2600.00	2.25	86.77	2599.08	25.73	-25.52	40.12	0.15	47.55	122.46
2700.00	2.41	88.69	2699.00	25.59	-25.36	44.18	0.18	50.94	119.86
2800.00	2.41	92.57	2798.91	25.65	-25.41	48.38	0.16	54.65	117.71
2900.00	2.50	92.27	2898.82	25.86	-25.59	52.66	0.09	58.55	115.92
3000.00	1.88	94.47	2998.74	26.09	-25.80	56.48	0.63	62.09	114.56
3100.00	1.28	100.57	3098.70	26.44	-26.14	59.21	0.62	64.72	113.82
3200.00	1.27	108.64	3198.68	27.01	-26.70	61.36	0.18	66.92	113.51
3300.00	1.17	105.02	3298.66	27.64	-27.32	63.40	0.13	69.03	113.31
3400.00	0.87	95.11	3398.64	27.98	-27.65	65.14	0.35	70.76	113.00
3500.00	0.88	98.58	3498.63	28.17	-27.83	66.65	0.05	72.23	112.66
3600.00	0.62	79.42	3598.62	28.19	-27.85	67.94	0.36	73.43	112.28
3700.00	0.54	79.80	3698.62	28.01	-27.66	68.94	0.08	74.28	111.86
3800.00	0.57	64.38	3798.61	27.72	-27.36	69.85	0.15	75.02	111.39
3900.00	0.49	76.50	3898.61	27.41	-27.05	70.72	0.14	75.71	110.93
4000.00	0.51	81.29	3998.60	27.24	-26.88	71.57	0.05	76.45	110.59
4100.00	0.53	68.22	4098.60	27.01	-26.64	72.44	0.12	77.19	110.19
4200.00	0.38	66.46	4198.60	26.71	-26.34	73.18	0.15	77.77	109.80
4300.00	0.41	55.85	4298.59	26.38	-26.01	73.78	0.08	78.22	109.42
4400.00	0.19	90.43	4398.59	26.18	-25.81	74.24	0.28	78.59	109.17
4500.00	0.24	104.98	4498.59	26.24	-25.86	74.61	0.07	78.96	109.12
4600.00	0.21	78.14	4598.59	26.26	-25.88	74.99	0.11	79.33	109.04
4700.00	0.05	27.62	4698.59	26.18	-25.80	75.19	0.18	79.49	108.94
4800.00	0.13	172.09	4798.59	26.26	-25.87	75.22	0.17	79.55	108.98



**Scientific
Drilling**

Field: Willow Lake
Site: Eddy County, NM
Well: White Federal #1H
Wellpath: VH - Job #32K1109500
Survey: 11/18/09



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

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

