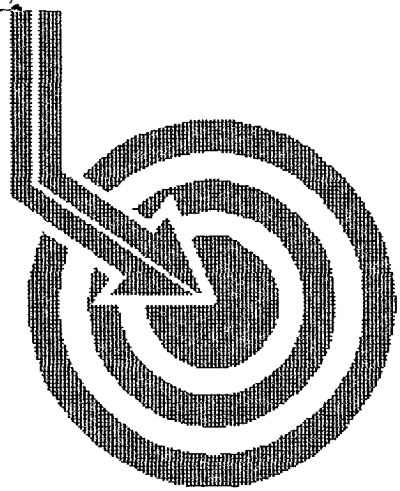


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Scientific Drilling

RECEIVED
MAY 17 2010
NMOCD ARTESIA

MARBOB ENERGY

Field: Hay Hollow
Site: Eddy County, NM
Well: SRO State Unit Com #3H
Wellpath: VH - Job #3@K0110042
Survey: 01/19/10

MD

FEB 18 2010

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

Richardson
Company Representative

Notorized this date 16th of February, 2010.

Carrie Reed
Notary Signature
County of Midland
State of Texas





Scientific Drilling International, Inc.

Survey Report

Company: MARBOB ENERGY	Date: 2/15/2010	Time: 22:29:19	Page: 1
Field: Hay Hollow	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: SRO State Unit Com #3H	Section (VS) Reference:	Well (0.00N,0.00E,269.56Azi)	
Wellpath: VH - Job #3@K0110042	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 01/19/10	Start Date: 1/19/2010
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	ClsD ft	ClsA deg
0.0	0.00	359.89	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.88	309.10	100.0	0.6	0.5	-0.6	0.88	0.8	309.10
200.0	0.73	313.57	200.0	1.6	1.4	-1.7	0.16	2.2	310.41
300.0	0.91	329.90	300.0	2.5	2.5	-2.5	0.29	3.6	315.23
400.0	1.27	339.09	400.0	3.3	4.3	-3.3	0.40	5.4	322.15
500.0	1.23	342.72	499.9	4.0	6.3	-4.0	0.09	7.5	327.52
600.0	1.23	337.08	599.9	4.7	8.3	-4.8	0.12	9.6	330.26
700.0	1.09	327.89	699.9	5.6	10.1	-5.7	0.23	11.6	330.70
800.0	0.97	328.37	799.9	6.5	11.7	-6.6	0.12	13.4	330.35
900.0	0.61	308.04	899.9	7.4	12.7	-7.5	0.45	14.7	329.45
1000.0	0.22	270.00	999.9	8.0	13.0	-8.1	0.46	15.3	328.11
1100.0	0.44	227.73	1099.9	8.5	12.8	-8.6	0.31	15.4	326.10
1200.0	0.46	223.78	1199.9	9.0	12.2	-9.1	0.04	15.3	323.20
1300.0	0.88	230.29	1299.9	9.9	11.4	-10.0	0.43	15.2	318.81
1400.0	0.83	225.76	1399.8	11.0	10.4	-11.1	0.08	15.3	313.20
1500.0	0.49	238.93	1499.8	11.9	9.7	-12.0	0.37	15.4	308.99
1600.0	0.52	225.95	1599.8	12.6	9.2	-12.7	0.12	15.7	305.87
1700.0	0.44	210.67	1699.8	13.2	8.5	-13.2	0.15	15.7	302.85
1800.0	0.57	112.22	1799.8	12.9	8.0	-13.0	0.77	15.2	301.75
1900.0	0.96	99.20	1899.8	11.6	7.7	-11.7	0.42	14.0	303.40
2000.0	1.22	95.89	1999.8	9.7	7.5	-9.8	0.27	12.3	307.30
2100.0	1.55	89.61	2099.8	7.3	7.4	-7.4	0.36	10.4	314.92
2200.0	1.76	81.00	2199.7	4.4	7.6	-4.5	0.32	8.8	329.36
2300.0	1.62	73.43	2299.7	1.6	8.2	-1.6	0.26	8.4	348.81
2400.0	1.42	73.36	2399.6	-1.0	9.0	0.9	0.20	9.0	5.78
2500.0	1.25	66.42	2499.6	-3.2	9.8	3.1	0.23	10.3	17.55
2600.0	1.24	66.12	2599.6	-5.2	10.7	5.1	0.01	11.8	25.49
2700.0	0.92	59.72	2699.6	-6.9	11.5	6.8	0.34	13.4	30.46
2800.0	0.90	65.58	2799.6	-8.3	12.2	8.2	0.10	14.7	33.75
2900.0	0.67	55.33	2899.6	-9.5	12.9	9.4	0.27	15.9	36.01
3000.0	0.49	59.84	2999.6	-10.3	13.4	10.2	0.19	16.9	37.25
3100.0	0.50	66.73	3099.5	-11.1	13.8	11.0	0.06	17.7	38.48
3200.0	0.45	62.15	3199.5	-11.9	14.2	11.7	0.06	18.4	39.61
3300.0	0.08	46.94	3299.5	-12.3	14.4	12.1	0.37	18.9	40.10
3400.0	0.08	35.00	3399.5	-12.3	14.5	12.2	0.02	19.0	40.10
3500.0	0.11	1.21	3499.5	-12.4	14.7	12.3	0.06	19.1	39.90
3600.0	0.15	13.25	3599.5	-12.4	14.9	12.3	0.05	19.3	39.55
3700.0	0.29	343.55	3699.5	-12.4	15.3	12.3	0.18	19.6	38.77
3800.0	0.28	330.66	3799.5	-12.2	15.7	12.1	0.06	19.8	37.51
3900.0	0.23	340.61	3899.5	-12.0	16.1	11.9	0.07	20.0	36.39
4000.0	0.44	269.80	3999.5	-11.6	16.3	11.4	0.42	19.9	35.03
4100.0	0.34	207.90	4099.5	-11.0	16.1	10.9	0.41	19.4	34.21
4200.0	0.33	202.11	4199.5	-10.8	15.5	10.7	0.04	18.8	34.49
4300.0	0.31	206.76	4299.5	-10.6	15.0	10.4	0.03	18.3	34.80
4400.0	0.35	199.14	4399.5	-10.3	14.5	10.2	0.06	17.7	35.19
4500.0	0.39	214.14	4499.5	-10.0	13.9	9.9	0.10	17.1	35.49
4600.0	0.61	225.37	4599.5	-9.5	13.3	9.4	0.24	16.2	35.20
4700.0	0.81	210.06	4699.5	-8.7	12.3	8.6	0.27	15.0	35.08
4800.0	0.82	190.14	4799.5	-8.2	11.0	8.1	0.28	13.7	36.61



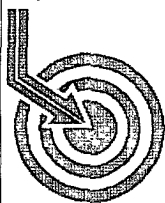
Scientific Drilling International, Inc.

Survey Report

Company: MARBOB ENERGY	Date: 2/15/2010	Time: 22:29:19	Page: 2
Field: Hay Hollow	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: SRO State Unit Com #3H	Section (VS) Reference:	Well (0.00N,0.00E,269.56Azi)	
Wellpath: VH - Job #3@K0110042	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	0.78	188.00	4899.5	-8.0	9.6	7.9	0.05	12.4	39.58
5000.0	0.88	188.73	4999.5	-7.8	8.1	7.7	0.10	11.2	43.41
5100.0	0.92	178.84	5099.5	-7.7	6.6	7.6	0.16	10.1	49.12
5200.0	0.97	175.23	5199.5	-7.7	4.9	7.7	0.08	9.1	57.30
5300.0	0.92	168.42	5299.4	-8.0	3.3	7.9	0.12	8.6	67.34
5400.0	0.85	170.41	5399.4	-8.2	1.8	8.2	0.08	8.4	77.69
5500.0	0.99	183.87	5499.4	-8.3	0.2	8.3	0.26	8.3	88.63
5600.0	1.10	188.57	5599.4	-8.1	-1.6	8.1	0.14	8.2	101.30
5700.0	1.15	189.80	5699.4	-7.7	-3.6	7.8	0.06	8.5	114.59
5800.0	1.16	191.94	5799.4	-7.3	-5.5	7.4	0.04	9.2	126.84
5900.0	1.27	192.88	5899.3	-6.9	-7.6	6.9	0.11	10.3	137.67
6000.0	1.47	203.50	5999.3	-6.1	-9.9	6.2	0.32	11.6	147.97
6100.0	1.61	203.66	6099.3	-5.0	-12.3	5.1	0.14	13.3	157.55
6200.0	2.44	217.19	6199.2	-3.1	-15.3	3.2	0.95	15.6	168.05
6300.0	2.58	226.22	6299.1	-0.2	-18.6	0.3	0.42	18.6	178.99
6400.0	2.35	231.64	6399.0	3.1	-21.4	-2.9	0.33	21.6	187.73
6500.0	1.27	250.36	6499.0	5.7	-23.0	-5.6	1.22	23.7	193.56
6600.0	1.52	260.15	6598.9	8.1	-23.6	-7.9	0.34	24.9	198.50
6700.0	1.90	272.50	6698.9	11.1	-23.8	-10.9	0.53	26.2	204.56
6800.0	2.13	289.11	6798.8	14.5	-23.1	-14.3	0.62	27.2	211.72
6900.0	1.71	290.89	6898.8	17.6	-22.0	-17.4	0.42	28.0	218.44
7000.0	1.88	286.31	6998.7	20.6	-21.0	-20.4	0.22	29.3	224.21
7100.0	1.30	264.31	7098.7	23.3	-20.6	-23.1	0.83	31.0	228.25
7200.0	2.30	253.06	7198.6	26.3	-21.3	-26.2	1.06	33.7	230.81
7300.0	1.08	275.66	7298.6	29.2	-21.8	-29.0	1.37	36.3	233.06
7400.0	1.01	328.34	7398.6	30.6	-21.0	-30.4	0.93	36.9	235.41
7500.0	1.07	287.77	7498.6	31.9	-19.9	-31.8	0.72	37.5	237.89
7600.0	1.45	294.20	7598.6	33.9	-19.1	-33.8	0.40	38.8	240.49
7700.0	2.02	296.58	7698.5	36.7	-17.8	-36.5	0.57	40.6	244.00
7800.0	1.25	303.35	7798.5	39.1	-16.4	-39.0	0.79	42.3	247.16
7900.0	0.82	310.08	7898.4	40.6	-15.4	-40.5	0.45	43.3	249.20
8000.0	0.63	293.49	7998.4	41.6	-14.7	-41.5	0.28	44.1	250.52
8100.0	1.24	253.96	8098.4	43.2	-14.8	-43.1	0.85	45.5	251.07
8200.0	1.34	250.75	8198.4	45.3	-15.5	-45.2	0.12	47.8	251.13
8300.0	2.02	249.09	8298.4	48.1	-16.5	-48.0	0.68	50.7	251.05
8400.0	1.91	248.19	8398.3	51.3	-17.7	-51.2	0.11	54.1	250.90
8500.0	1.78	266.91	8498.2	54.4	-18.4	-54.3	0.61	57.3	251.25
8600.0	1.81	282.33	8598.2	57.5	-18.2	-57.4	0.48	60.2	252.42
8700.0	1.76	285.07	8698.2	60.5	-17.4	-60.4	0.10	62.8	253.90
8800.0	1.47	280.08	8798.1	63.3	-16.8	-63.1	0.32	65.3	255.09
8900.0	1.38	267.38	8898.1	65.7	-16.6	-65.6	0.33	67.7	255.76
9000.0	1.29	263.99	8998.1	68.0	-16.8	-67.9	0.12	70.0	256.10
9100.0	1.27	249.56	9098.0	70.2	-17.3	-70.1	0.32	72.2	256.12
9200.0	1.26	237.27	9198.0	72.2	-18.3	-72.0	0.27	74.3	255.75
9300.0	1.18	240.28	9298.0	74.0	-19.4	-73.9	0.10	76.4	255.28
9342.0	1.24	236.45	9340.0	74.8	-19.9	-74.6	0.24	77.2	255.09



Scientific
Drilling

Field: Hay Hollow
Site: Eddy County, NM
Well: SRO State Unit Com #3H
Survey: 01/19/10



Azimuths to Grid North
True North 0 00°
Magnetic North 0 00°
Magnetic Field
Dip Angle 0 00°
Date 2/15/2010
Model igrf2000

