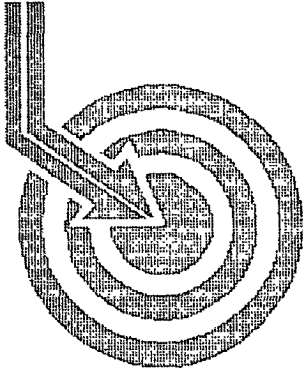




Scientific Drilling

MARBOB ENERGY

Field: Wildcat
Site: Eddy County, NM
Well: Gravy State Com #1H
Wellpath: VH - Job #32K0609203
Survey: 06/05/09

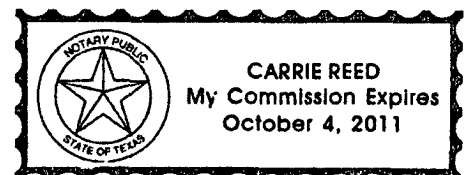
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*R. Wharton*..... Company Representative

Notorized this date 11th of July, 2009.

Carrie Reed

Notary Signature
County of Midland
State of Texas



mw



Scientific Drilling International Survey Report

Company: MARBOB ENERGY	Date: 06/09/2009	Time: 16:23:54	Page: 1
Field: Wildcat	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: Gravy State Com #1H	Section (VS) Reference:	Well (0.00N,0.00E,269.36Azi)	
Wellpath: VH - Job #32K0609203	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: 06/05/09	Start Date: 06/05/2009
Company: KSRG 0'-10011'	
Tool: Scientific Drilling Internatio	Engineer: Melendez/Madrid/Parades
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	359.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.45	195.86	100.00	0.11	-0.38	-0.11	0.45	0.39	195.86
200.00	0.70	222.88	199.99	0.64	-1.20	-0.63	0.36	1.36	207.65
300.00	0.95	228.03	299.98	1.69	-2.21	-1.66	0.26	2.76	217.01
400.00	1.18	231.57	399.97	3.12	-3.40	-3.09	0.24	4.59	222.23
500.00	1.41	233.25	499.94	4.93	-4.78	-4.88	0.23	6.83	225.61
600.00	1.12	272.11	599.92	6.90	-5.48	-6.84	0.88	8.76	231.32
700.00	2.08	316.87	699.88	9.10	-4.12	-9.06	1.51	9.95	245.57
800.00	2.91	321.46	799.79	11.89	-0.81	-11.88	0.85	11.91	266.12
900.00	2.92	324.24	899.66	14.91	3.25	-14.95	0.14	15.30	282.25
1000.00	2.89	328.80	999.53	17.66	7.47	-17.74	0.23	19.25	292.83
1100.00	2.88	331.29	1099.40	20.12	11.83	-20.26	0.13	23.46	300.28
1200.00	2.43	351.97	1199.30	21.58	16.13	-21.76	1.05	27.09	306.55
1300.00	2.13	12.97	1299.22	21.41	20.04	-21.64	0.88	29.50	312.81
1400.00	2.13	7.63	1399.15	20.71	23.70	-20.98	0.20	31.65	318.48
1500.00	2.12	13.30	1499.08	20.00	27.34	-20.30	0.21	34.05	323.40
1600.00	2.20	21.67	1599.01	18.82	30.92	-19.17	0.33	36.38	328.20
1700.00	2.37	26.97	1698.93	17.14	34.55	-17.52	0.27	38.74	333.11
1800.00	2.45	32.55	1798.84	15.01	38.19	-15.43	0.25	41.19	337.99
1900.00	2.49	34.20	1898.75	12.60	41.79	-13.06	0.08	43.78	342.64
2000.00	1.12	53.51	1998.70	10.56	44.17	-11.06	1.48	45.53	345.95
2100.00	1.88	107.47	2098.67	8.21	44.26	-8.71	1.52	45.11	348.87
2200.00	2.53	89.00	2198.59	4.45	43.80	-4.93	0.96	44.08	353.57
2300.00	1.49	78.35	2298.53	0.96	44.10	-1.45	1.10	44.13	358.11
2400.00	1.49	93.31	2398.50	-1.61	44.29	1.12	0.39	44.31	1.44
2500.00	1.56	85.42	2498.46	-4.27	44.33	3.77	0.22	44.49	4.86
2600.00	1.08	81.15	2598.44	-6.56	44.58	6.06	0.49	44.99	7.74
2700.00	0.95	121.20	2698.42	-8.19	44.29	7.70	0.71	44.96	9.86
2800.00	1.16	116.42	2798.40	-9.80	43.41	9.32	0.23	44.40	12.11
2900.00	1.18	62.03	2898.39	-11.62	43.45	11.13	1.07	44.85	14.37
3000.00	0.36	57.83	2998.38	-12.80	44.10	12.31	0.82	45.78	15.59
3100.00	0.70	93.10	3098.37	-13.68	44.23	13.18	0.46	46.15	16.60
3200.00	1.30	60.68	3198.36	-15.28	44.75	14.78	0.80	47.13	18.28
3300.00	0.13	58.17	3298.35	-16.37	45.37	15.87	1.17	48.06	19.28
3400.00	1.18	235.59	3398.34	-15.61	44.85	15.11	1.31	47.33	18.62
3500.00	1.31	229.46	3498.32	-13.88	43.52	13.40	0.19	45.54	17.11
3600.00	1.22	230.75	3598.29	-12.17	42.11	11.70	0.09	43.70	15.53
3700.00	0.88	233.27	3698.28	-10.72	40.97	10.26	0.34	42.24	14.06
3800.00	1.06	243.23	3798.26	-9.27	40.10	8.82	0.25	41.06	12.41
3900.00	1.11	240.57	3898.24	-7.59	39.20	7.15	0.07	39.85	10.34
4000.00	1.02	232.61	3998.23	-6.03	38.19	5.60	0.17	38.60	8.34
4100.00	1.10	235.85	4098.21	-4.51	37.11	4.10	0.10	37.33	6.30
4200.00	1.00	236.61	4198.19	-2.98	36.09	2.58	0.10	36.18	4.08
4300.00	0.99	237.50	4298.18	-1.51	35.15	1.12	0.02	35.16	1.82
4400.00	0.77	237.09	4398.17	-0.21	34.32	-0.17	0.22	34.32	359.71
4500.00	1.00	249.70	4498.15	1.18	33.65	-1.56	0.30	33.68	357.35
4600.00	0.99	252.08	4598.14	2.83	33.08	-3.20	0.04	33.23	354.48
4700.00	1.07	257.48	4698.12	4.56	32.61	-4.93	0.13	32.98	351.40
4800.00	0.96	253.86	4798.11	6.29	32.18	-6.65	0.13	32.86	348.33



Scientific Drilling International Survey Report

Company: MARBOB ENERGY
Field: Wildcat
Site: Eddy County, NM
Well: Gravy State Com #1H
Wellpath: VH - Job #32K0609203

Date: 06/09/2009 Time: 16:23:54 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,269.36Azi)
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	0.81	254.84	4898.10	7.78	31.76	-8.13	0.15	32.78	345.64
5000.00	0.57	248.02	4998.09	8.92	31.39	-9.28	0.25	32.73	343.54
5100.00	0.84	245.95	5098.08	10.06	30.90	-10.41	0.27	32.61	341.39
5200.00	0.92	247.80	5198.07	11.48	30.30	-11.82	0.08	32.52	338.69
5300.00	0.67	258.69	5298.06	12.80	29.88	-13.14	0.29	32.64	336.27
5400.00	0.84	252.13	5398.05	14.08	29.54	-14.41	0.19	32.87	334.00
5500.00	0.68	245.75	5498.04	15.32	29.07	-15.65	0.18	33.02	331.71
5600.00	0.69	246.26	5598.03	16.42	28.59	-16.74	0.01	33.13	329.65
5700.00	0.67	247.18	5698.03	17.51	28.12	-17.83	0.02	33.29	327.62
5800.00	0.69	255.77	5798.02	18.64	27.74	-18.95	0.10	33.60	325.67
5900.00	0.76	252.06	5898.01	19.86	27.39	-20.17	0.08	34.01	323.64
6000.00	0.83	237.60	5998.00	21.11	26.80	-21.41	0.21	34.30	321.38
6100.00	0.91	243.90	6097.99	22.44	26.06	-22.73	0.12	34.58	318.90
6200.00	0.98	244.25	6197.98	23.93	25.34	-24.22	0.07	35.05	316.30
6300.00	1.13	246.46	6297.96	25.61	24.58	-25.89	0.16	35.70	313.51
6400.00	1.02	235.18	6397.94	27.26	23.67	-27.52	0.24	36.31	310.70
6500.00	1.16	230.76	6497.93	28.79	22.53	-29.04	0.16	36.75	307.80
6600.00	1.06	235.17	6597.91	30.34	21.36	-30.58	0.13	37.30	304.93
6700.00	1.17	233.37	6697.89	31.93	20.22	-32.16	0.12	37.99	302.16
6800.00	1.13	234.08	6797.87	33.56	19.03	-33.78	0.04	38.77	299.40
6900.00	1.27	221.25	6897.85	35.11	17.62	-35.31	0.30	39.46	296.52
7000.00	1.16	229.92	6997.82	36.63	16.14	-36.81	0.21	40.19	293.67
7100.00	1.17	223.96	7097.80	38.13	14.75	-38.30	0.12	41.04	291.06
7200.00	1.16	231.39	7197.78	39.64	13.38	-39.80	0.15	41.99	288.59
7300.00	1.14	224.39	7297.76	41.15	12.04	-41.28	0.14	43.00	286.26
7400.00	1.18	225.97	7397.74	42.60	10.61	-42.72	0.05	44.02	283.95
7500.00	1.20	234.34	7497.72	44.20	9.29	-44.31	0.17	45.27	281.84
7600.00	1.18	222.90	7597.70	45.77	7.92	-45.86	0.24	46.54	279.80
7700.00	0.85	235.84	7697.68	47.10	6.75	-47.18	0.40	47.66	278.14
7800.00	0.85	235.12	7797.67	48.33	5.91	-48.40	0.01	48.76	276.96
7900.00	0.84	239.94	7897.66	49.58	5.12	-49.64	0.07	49.91	275.89
8000.00	0.90	276.80	7997.65	51.00	4.85	-51.06	0.55	51.29	275.42
8100.00	1.31	287.58	8097.63	52.86	5.28	-52.93	0.46	53.19	275.70
8200.00	1.61	283.68	8197.60	55.31	5.96	-55.38	0.32	55.70	276.14
8300.00	1.67	287.69	8297.56	58.05	6.74	-58.13	0.13	58.52	276.61
8400.00	1.51	284.44	8397.52	60.71	7.51	-60.80	0.18	61.26	277.04
8500.00	1.41	285.11	8497.49	63.17	8.16	-63.26	0.10	63.79	277.35
8600.00	1.49	283.82	8597.45	65.61	8.79	-65.71	0.09	66.30	277.62
8700.00	1.38	278.24	8697.42	68.06	9.27	-68.17	0.18	68.79	277.75
8800.00	1.35	270.68	8797.40	70.43	9.46	-70.54	0.18	71.17	277.64
8900.00	1.34	277.80	8897.37	72.76	9.63	-72.87	0.17	73.51	277.53
9000.00	1.58	287.85	8997.34	75.22	10.21	-75.34	0.35	76.03	277.72
9100.00	2.16	278.05	9097.28	78.39	10.90	-78.52	0.66	79.27	277.90
9200.00	2.30	278.35	9197.21	82.24	11.45	-82.37	0.14	83.16	277.92
9300.00	2.13	276.75	9297.13	86.06	11.96	-86.20	0.18	87.03	277.90
9400.00	1.43	292.15	9397.08	89.06	12.65	-89.20	0.84	90.10	278.07
9500.00	1.10	286.85	9497.06	91.12	13.40	-91.28	0.35	92.26	278.35
9600.00	1.24	272.71	9597.04	93.12	13.73	-93.28	0.32	94.28	278.37
9700.00	0.48	249.44	9697.03	94.59	13.63	-94.75	0.82	95.73	278.19
9800.00	0.48	171.62	9797.02	94.93	13.07	-95.08	0.60	95.98	277.83
9900.00	0.35	146.20	9897.02	94.71	12.40	-94.85	0.22	95.66	277.45
10000.00	0.43	122.26	9997.02	94.22	11.95	-94.36	0.18	95.12	277.22



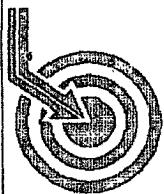
Scientific Drilling International

Survey Report

Company: MARBOB ENERGY Date: 06/09/2009 Time: 16:23:54 Page: 3
Field: Wildcat Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Site: Eddy County, NM Vertical (TVD) Reference: SITE 0.0
Well: Gravy State Com #1H Section (VS) Reference: Well (0.00N,0.00E,269.36Azi)
Wellpath: VH - Job #32K0609203 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
10011.23	0.45	117.85	10008.25	94.15	11.91	-94.29	0.35	95.04	277.20



Scientific
Drilling

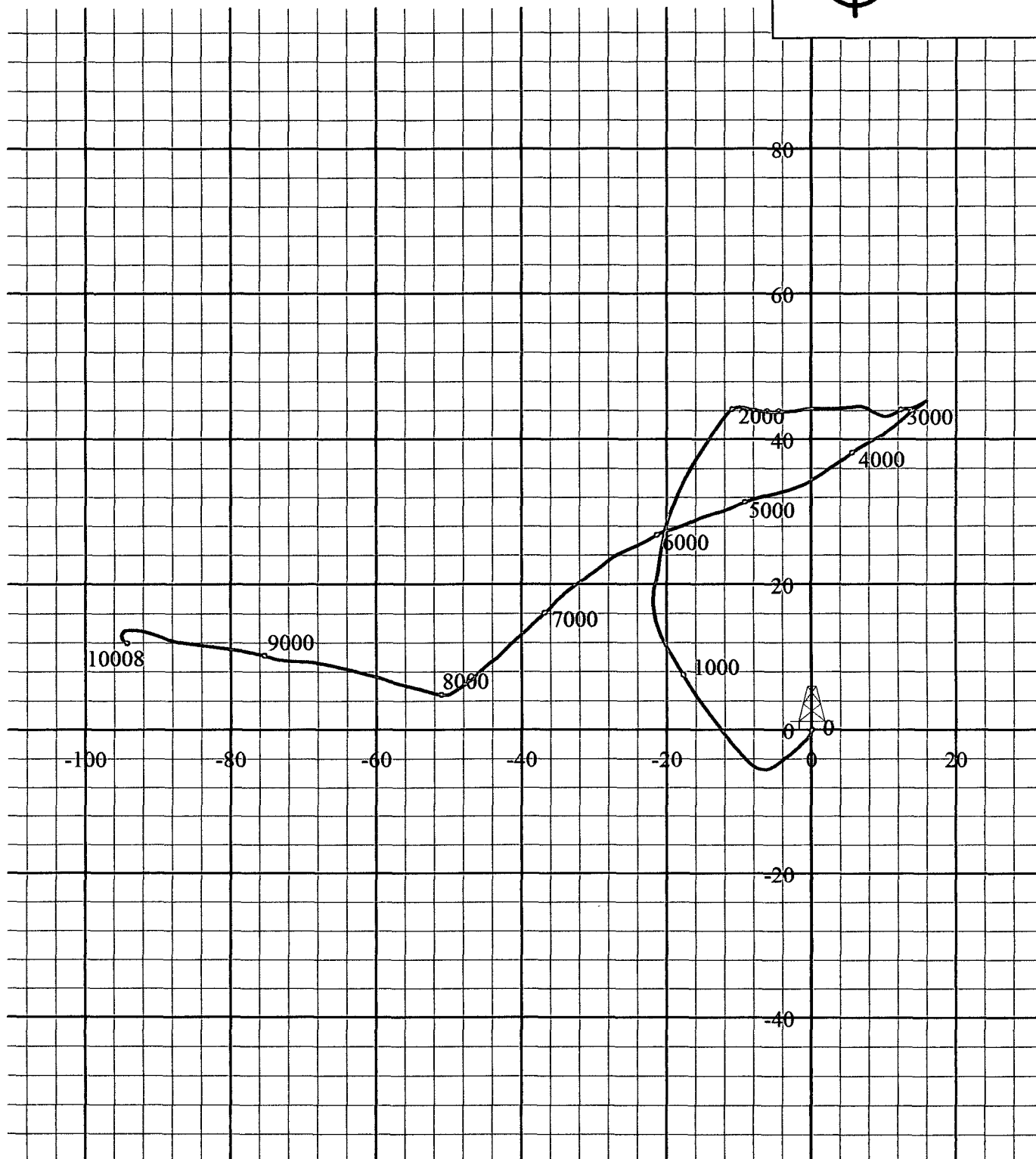
Field: Wildcat
Site: Eddy County, NM
Well: Gravy State Com #1H
Wellpath: VH - Job #32K0609203
Survey: 06/05/09



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 06/09/2009
Model: igrf2000

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



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