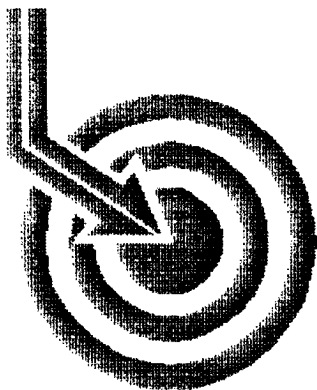




Scientific Drilling

MARBOB ENERGY

Field: Chosa Draw
Site: Eddy County, NM
Well: Hot Seat Fed #1
Wellpath: VH - Job #32K0906764
Survey: 09/21/06

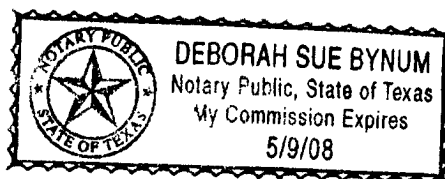
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....*L. Wharton*.....Company Representative

Notorized this date 24th of October, 2006.

Deborah Sue Bynum

Notary Signature
County of Midland
State of Texas





Scientific Drilling International Survey Report

Company: MARBOB ENERGY
Field: Chosa Draw
Site: Eddy County, NM
Well: Hot Seat Fed #1
Wellpath: VH - Job #32K0906764

Date: 10/29/2006 Time: 13:10:10 Page: 1
Co-ordinate(NE) Reference: Site: Eddy County, NM, Grid North
Vertical (TVD) Reference: SITE 0.0
Section (VS) Reference: Well (0.00N,0.00E,164.51Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 09/21/06
KSRG 0'-6800'

Start Date: 09/21/2006

Company: Scientific Drilling Internatio
Tool: Keeper;Keeper Gyro

Engineer: Gonzales w/Geo 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	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1.11	126.54	99.99	0.76	-0.58	0.78	1.11	0.97	126.54
200.00	2.34	76.15	199.95	1.59	-0.66	3.54	1.84	3.60	100.64
300.00	1.76	96.08	299.89	2.21	-0.34	7.05	0.91	7.06	92.75
400.00	1.70	102.59	399.84	3.47	-0.82	10.02	0.21	10.06	94.70
500.00	2.89	89.61	499.76	4.83	-1.13	13.99	1.29	14.04	94.62
600.00	3.40	76.98	599.61	5.61	-0.45	19.40	0.86	19.41	91.32
700.00	2.41	72.13	699.48	5.65	0.87	24.29	1.02	24.31	87.95
800.00	2.50	351.68	799.42	3.40	3.67	25.98	3.17	26.24	81.96
900.00	2.63	248.74	899.36	1.47	5.00	23.52	4.01	24.05	78.00
1000.00	2.08	211.68	999.28	2.93	2.62	20.43	1.58	20.60	82.69
1100.00	1.67	194.70	1099.22	5.42	-0.33	19.11	0.69	19.11	91.00
1200.00	1.52	188.62	1199.19	7.89	-3.05	18.54	0.23	18.79	99.35
1300.00	1.58	189.90	1299.15	10.35	-5.72	18.10	0.07	18.99	107.54
1400.00	1.48	185.94	1399.11	12.80	-8.36	17.73	0.15	19.61	115.25
1500.00	1.34	178.15	1499.08	15.14	-10.82	17.64	0.24	20.69	121.52
1600.00	1.22	173.71	1599.06	17.32	-13.04	17.79	0.16	22.06	126.25
1700.00	1.01	171.06	1699.04	19.25	-14.97	18.05	0.22	23.45	129.68
1800.00	0.98	169.83	1799.02	20.98	-16.69	18.33	0.04	24.79	132.31
1900.00	1.15	174.30	1899.01	22.82	-18.53	18.58	0.19	26.24	134.91
2000.00	0.88	166.42	1998.99	24.57	-20.27	18.86	0.30	27.69	137.06
2100.00	0.96	168.93	2098.98	26.18	-21.84	19.21	0.09	29.08	138.67
2200.00	0.94	168.19	2198.96	27.83	-23.46	19.53	0.02	30.53	140.22
2300.00	0.76	164.87	2298.95	29.31	-24.91	19.88	0.19	31.87	141.41
2400.00	0.74	165.36	2398.94	30.62	-26.17	20.21	0.02	33.07	142.32
2500.00	0.78	165.79	2498.94	31.95	-27.46	20.54	0.04	34.29	143.20
2600.00	0.51	159.10	2598.93	33.07	-28.53	20.87	0.28	35.35	143.82
2700.00	0.61	161.60	2698.92	34.04	-29.45	21.19	0.10	36.29	144.26
2800.00	0.40	154.46	2798.92	34.92	-30.27	21.51	0.22	37.14	144.60
2900.00	0.70	162.70	2898.92	35.87	-31.17	21.85	0.31	38.06	144.98
3000.00	0.89	168.51	2998.91	37.26	-32.52	22.18	0.21	39.36	145.70
3100.00	0.72	162.76	3098.90	38.66	-33.88	22.52	0.19	40.68	146.38
3200.00	0.51	157.91	3198.89	39.73	-34.89	22.88	0.22	41.72	146.75
3300.00	0.64	162.59	3298.89	40.73	-35.84	23.21	0.14	42.70	147.07
3400.00	0.61	161.97	3398.88	41.82	-36.87	23.54	0.03	43.75	147.44
3500.00	0.56	159.84	3498.87	42.84	-37.84	23.88	0.05	44.74	147.75
3600.00	1.14	172.72	3598.86	44.31	-39.28	24.17	0.61	46.12	148.40
3700.00	1.01	169.88	3698.85	46.17	-41.14	24.45	0.14	47.86	149.28
3800.00	0.90	165.77	3798.83	47.84	-42.77	24.80	0.13	49.44	149.89
3900.00	1.01	167.21	3898.82	49.50	-44.39	25.19	0.11	51.04	150.43
4000.00	1.10	165.86	3998.80	51.34	-46.18	25.62	0.09	52.81	150.98
4100.00	1.18	167.99	4098.78	53.33	-48.12	26.07	0.09	54.72	151.56
4200.00	1.44	172.27	4198.75	55.60	-50.37	26.45	0.28	56.89	152.30
4300.00	1.01	165.37	4298.73	57.73	-52.47	26.84	0.45	58.93	152.91
4400.00	0.98	162.62	4398.72	59.47	-54.14	27.32	0.06	60.64	153.22
4500.00	1.09	173.53	4498.70	61.26	-55.90	27.68	0.23	62.38	153.66
4600.00	1.09	181.32	4598.68	63.11	-57.79	27.77	0.15	64.12	154.34
4700.00	0.79	165.70	4698.67	64.71	-59.41	27.91	0.39	65.64	154.83
4800.00	0.80	170.01	4798.66	66.09	-60.77	28.21	0.06	66.99	155.10



Scientific Drilling International

Survey Report

Company: MARBOB ENERGY
Field: Chosa Draw
Site: Eddy County, NM
Well: Hot Seat Fed #1
Wellpath: VH - Job #32K0906764

Date: 10/29/2006 Time: 13:10:10 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,164.51Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

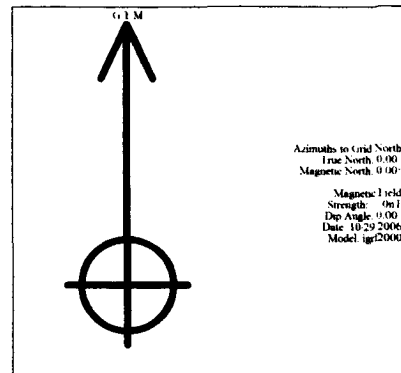
Survey

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	1.40	152.22	4898.64	67.98	-62.54	28.90	0.68	68.89	155.20
5000.00	1.30	155.76	4998.61	70.30	-64.65	29.93	0.13	71.24	155.16
5100.00	1.32	161.04	5098.59	72.57	-66.77	30.77	0.12	73.52	155.26
5200.00	1.39	185.14	5198.56	74.85	-69.07	31.04	0.57	75.73	155.80
5300.00	1.28	192.71	5298.53	76.97	-71.37	30.68	0.21	77.69	156.74
5400.00	0.36	168.83	5398.52	78.27	-72.77	30.50	0.96	78.90	157.26
5500.00	1.31	170.90	5498.51	79.72	-74.20	30.74	0.95	80.32	157.50
5600.00	1.31	195.03	5598.48	81.84	-76.44	30.62	0.55	82.34	158.17
5700.00	0.96	204.08	5698.46	83.47	-78.31	29.99	0.39	83.85	159.05
5800.00	1.30	203.33	5798.44	85.00	-80.11	29.19	0.34	85.27	159.98
5900.00	1.37	205.46	5898.42	86.79	-82.23	28.23	0.09	86.94	161.05
6000.00	0.39	41.32	5998.41	87.50	-83.06	27.94	1.75	87.63	161.41
6100.00	1.45	249.90	6098.40	87.42	-83.24	26.98	1.80	87.50	162.04
6200.00	0.86	249.98	6198.38	87.58	-83.93	25.09	0.59	87.60	163.36
6300.00	1.55	77.62	6298.37	87.71	-83.90	25.70	2.41	87.74	162.97
6400.00	0.46	263.30	6398.36	87.72	-83.65	26.62	2.01	87.79	162.35
6500.00	0.79	255.27	6498.36	87.65	-83.87	25.56	0.34	87.68	163.05
6600.00	0.43	249.62	6598.35	87.68	-84.18	24.54	0.36	87.68	163.75
6700.00	0.42	331.47	6698.35	87.35	-83.99	24.01	0.56	87.35	164.04
6800.00	0.74	267.83	6798.34	86.85	-83.69	23.19	0.67	86.85	164.51

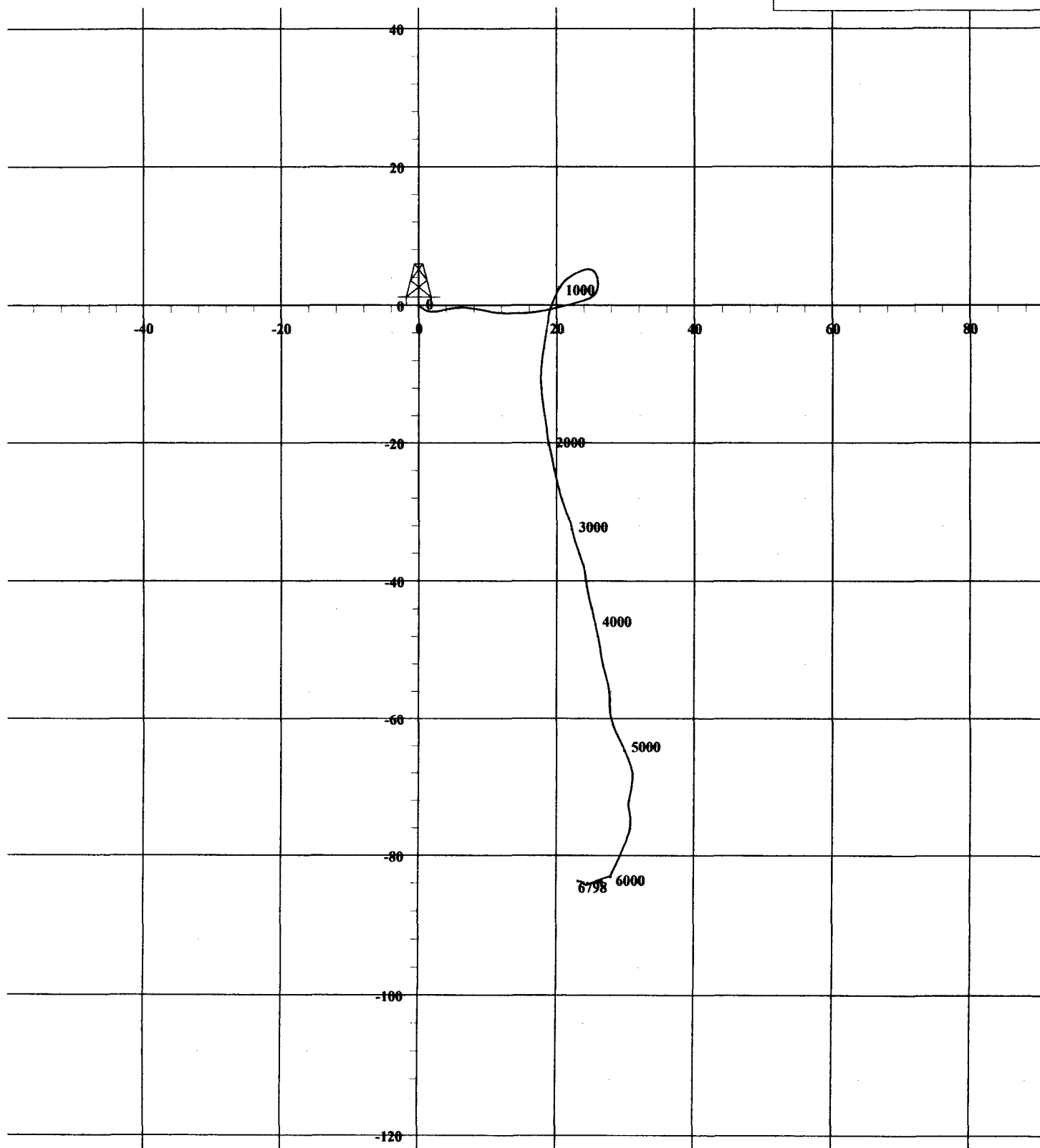


Scientific
Drilling

Field: Chosa Draw
Site: Eddy County, NM
Well: Hot Seat Fed #1
Wellpath: VH - Job #32K0906764
Survey: 09/21/06



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



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



Job Number: []
 Company: Marbob Energy
 Lease/Well: Hot Seat Fed. Com. #1
 Location: Eddy County
 Rig Name: Patriot #3
 RKB: []
 G.L. or M.S.L.: []

State/Country: New Mexico
 Declination: []
 Grid: []
 File name: C:\DOCUME~1\RIKMA~1\MYDOCU~1\PROPOS~1\MA
 Date/Time: 03-Nov-06 / 09:55
 Curve Name: Combined Surveys

The Directional Drilling Company

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
Scientific Gyro Survey									
100.00	1.11	126.54	99.99	-.58	-.58	.78	.97	126.54	1.11
200.00	2.34	76.15	199.95	-.66	-.66	3.54	3.60	100.64	1.84
300.00	1.76	96.08	299.89	-.34	-.34	7.05	7.06	92.75	.91
400.00	1.70	102.59	399.84	-.82	-.82	10.02	10.06	94.70	.21
500.00	2.89	89.61	499.76	-1.13	-1.13	13.99	14.04	94.62	1.29
600.00	3.40	76.98	599.61	-.45	-.45	19.40	19.41	91.32	.86
700.00	2.41	72.13	699.48	.87	.87	24.29	24.31	87.95	1.02
800.00	2.50	351.68	799.42	3.67	3.67	25.98	26.24	81.96	3.17
900.00	2.63	248.74	899.36	5.00	5.00	23.52	24.05	78.00	4.01
1000.00	2.08	211.68	999.28	2.62	2.62	20.43	20.60	82.69	1.58
1100.00	1.67	194.70	1099.22	-.33	-.33	19.11	19.11	91.00	.69
1200.00	1.52	188.62	1199.19	-3.05	-3.05	18.54	18.79	99.35	.23
1300.00	1.58	189.90	1299.15	-5.72	-5.72	18.10	18.99	107.54	.07
1400.00	1.48	185.94	1399.11	-8.36	-8.36	17.73	19.61	115.25	.15
1500.00	1.34	178.15	1499.08	-10.82	-10.82	17.64	20.69	121.52	.24
1600.00	1.22	173.71	1599.06	-13.04	-13.04	17.79	22.06	126.25	.16
1700.00	1.01	171.06	1699.04	-14.97	-14.97	18.05	23.45	129.68	.22
1800.00	.98	169.83	1799.02	-16.69	-16.69	18.33	24.79	132.31	.04
1900.00	1.15	174.30	1899.01	-18.53	-18.53	18.58	26.24	134.91	.19
2000.00	.88	166.42	1998.99	-20.27	-20.27	18.86	27.69	137.06	.30
2100.00	.96	168.93	2098.98	-21.84	-21.84	19.21	29.08	138.67	.09
2200.00	.94	168.19	2198.96	-23.46	-23.46	19.53	30.53	140.22	.02

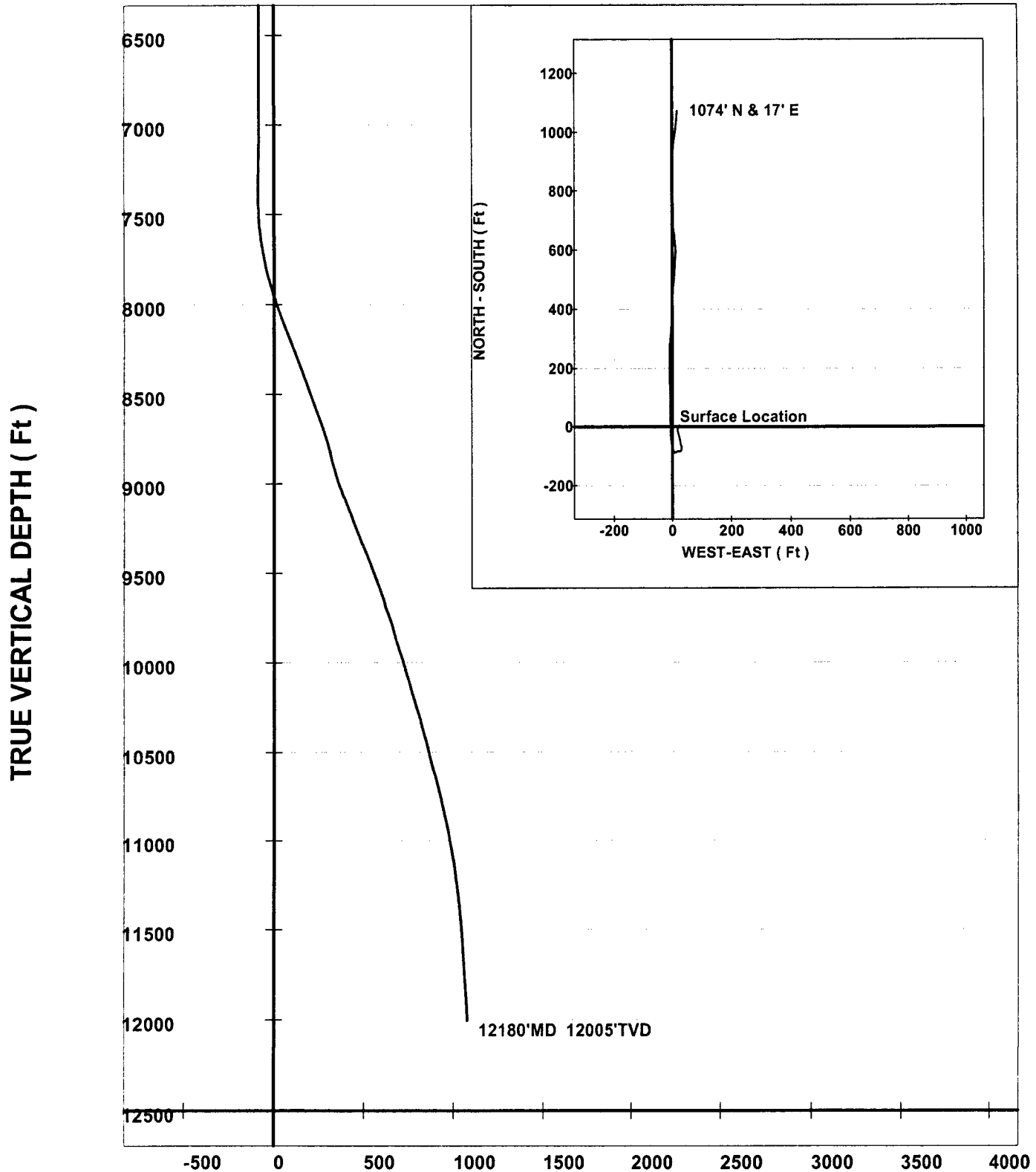
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2300.00	.76	164.87	2298.95	-24.91	-24.91	19.88	31.87	141.41	.19
2400.00	.74	165.36	2398.94	-26.17	-26.17	20.21	33.07	142.32	.02
2500.00	.78	165.79	2498.94	-27.46	-27.46	20.54	34.29	143.20	.04
2600.00	.51	159.10	2598.93	-28.53	-28.53	20.87	35.35	143.82	.28
2700.00	.61	161.60	2698.92	-29.45	-29.45	21.19	36.29	144.26	.10
2800.00	.40	154.46	2798.92	-30.27	-30.27	21.51	37.14	144.60	.22
2900.00	.70	162.70	2898.92	-31.17	-31.17	21.85	38.06	144.98	.31
3000.00	.89	168.51	2998.91	-32.52	-32.52	22.18	39.36	145.70	.21
3100.00	.72	162.76	3098.90	-33.88	-33.88	22.52	40.68	146.38	.19
3200.00	.51	157.91	3198.89	-34.89	-34.89	22.88	41.72	146.75	.22
3300.00	.64	162.59	3298.89	-35.84	-35.84	23.21	42.70	147.07	.14
3400.00	.61	161.97	3398.88	-36.87	-36.87	23.54	43.75	147.44	.03
3500.00	.56	159.84	3498.87	-37.84	-37.84	23.88	44.74	147.75	.05
3600.00	1.14	172.72	3598.86	-39.28	-39.28	24.17	46.12	148.40	.61
3700.00	1.01	169.88	3698.85	-41.14	-41.14	24.45	47.86	149.28	.14
3800.00	.90	165.77	3798.83	-42.77	-42.77	24.80	49.44	149.89	.13
3900.00	1.01	167.21	3898.82	-44.39	-44.39	25.19	51.04	150.43	.11
4000.00	1.10	165.86	3998.80	-46.18	-46.18	25.62	52.81	150.98	.09
4100.00	1.18	167.99	4098.78	-48.12	-48.12	26.07	54.72	151.56	.09
4200.00	1.44	172.27	4198.75	-50.37	-50.37	26.45	56.89	152.30	.28
4300.00	1.01	165.37	4298.73	-52.47	-52.47	26.84	58.93	152.91	.45
4400.00	.98	162.62	4398.72	-54.14	-54.14	27.32	60.64	153.22	.06
4500.00	1.09	173.53	4498.70	-55.90	-55.90	27.68	62.38	153.66	.23
4600.00	1.09	181.32	4598.68	-57.79	-57.79	27.77	64.12	154.34	.15
4700.00	.79	165.70	4698.67	-59.41	-59.41	27.91	65.64	154.83	.39
4800.00	.80	170.01	4798.66	-60.77	-60.77	28.21	66.99	155.10	.06
4900.00	1.40	152.22	4898.64	-62.54	-62.54	28.90	68.89	155.20	.68
5000.00	1.30	155.76	4998.61	-64.65	-64.65	29.93	71.24	155.16	.13
5100.00	1.32	161.04	5098.59	-66.77	-66.77	30.77	73.52	155.26	.12
5200.00	1.39	185.14	5198.56	-69.07	-69.07	31.04	75.73	155.80	.57
5300.00	1.28	192.71	5298.53	-71.37	-71.37	30.68	77.69	156.74	.21
5400.00	.36	168.83	5398.52	-72.77	-72.77	30.50	78.90	157.26	.96
5500.00	1.31	170.90	5498.51	-74.20	-74.20	30.74	80.32	157.50	.95
5600.00	1.31	195.03	5598.48	-76.44	-76.44	30.62	82.34	158.17	.55
5700.00	.96	204.08	5698.46	-78.31	-78.31	29.99	83.85	159.05	.39
5800.00	1.30	203.33	5798.44	-80.11	-80.11	29.19	85.27	159.98	.34
5900.00	1.37	205.46	5898.42	-82.23	-82.23	28.23	86.94	161.05	.09
6000.00	.39	41.32	5998.41	-83.06	-83.06	27.94	87.63	161.41	1.75
6100.00	1.45	249.90	6098.40	-83.24	-83.24	26.98	87.50	162.04	1.80
6200.00	.86	249.98	6198.38	-83.93	-83.93	25.09	87.60	163.36	.59
6300.00	1.55	77.62	6298.37	-83.90	-83.90	25.70	87.74	162.97	2.41
6400.00	.46	263.30	6398.36	-83.65	-83.65	26.62	87.79	162.35	2.01
6500.00	.79	255.27	6498.36	-83.87	-83.87	25.56	87.68	163.05	.34
6600.00	.43	249.62	6598.35	-84.18	-84.18	24.54	87.68	163.75	.36
6700.00	.42	331.47	6698.35	-83.99	-83.99	24.01	87.35	164.04	.56

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
Distance FT	Direction Deg								
End of Gyro Survey									
6800.00	.74	267.83	6798.34	-83.69	-83.69	23.19	86.85	164.51	.67
Begin Pathfinder MWD Survey									
6942.00	.88	263.65	6940.33	-83.85	-83.85	21.19	86.48	165.82	.11
7068.00	1.14	263.30	7066.31	-84.10	-84.10	18.99	86.22	167.28	.21
7195.00	1.93	254.68	7193.26	-84.81	-84.81	15.67	86.25	169.53	.65
7322.00	2.64	234.64	7320.16	-87.07	-87.07	11.22	87.79	172.66	.83
7354.00	2.55	239.39	7352.13	-87.86	-87.86	10.01	88.43	173.50	.73
7386.00	2.20	260.13	7384.10	-88.33	-88.33	8.79	88.76	174.32	2.88
7417.00	2.02	287.55	7415.08	-88.26	-88.26	7.68	88.60	175.03	3.27
7449.00	2.46	315.41	7447.06	-87.60	-87.60	6.66	87.86	175.65	3.62
7481.00	3.25	330.44	7479.02	-86.33	-86.33	5.73	86.52	176.20	3.38
7513.00	4.22	337.48	7510.95	-84.45	-84.45	4.83	84.59	176.72	3.35
7544.00	5.10	336.95	7541.85	-82.13	-82.13	3.86	82.22	177.31	2.84
7576.00	5.98	341.34	7573.70	-79.24	-79.24	2.77	79.29	178.00	3.05
7608.00	7.30	342.05	7605.48	-75.73	-75.73	1.61	75.74	178.78	4.13
7640.00	8.35	345.30	7637.19	-71.55	-71.55	.39	71.55	179.69	3.56
7672.00	8.79	347.23	7668.83	-66.91	-66.91	-.74	66.92	180.63	1.64
7703.00	9.76	350.39	7699.42	-62.01	-62.01	-1.70	62.04	181.57	3.53
7735.00	10.82	350.83	7730.91	-56.37	-56.37	-2.63	56.43	182.67	3.32
7767.00	11.52	353.56	7762.30	-50.23	-50.23	-3.47	50.35	183.95	2.74
7799.00	12.31	353.30	7793.61	-43.67	-43.67	-4.23	43.87	185.53	2.47
7831.00	13.37	355.76	7824.81	-36.59	-36.59	-4.90	36.92	187.62	3.73
7862.00	14.51	356.20	7854.90	-29.14	-29.14	-5.42	29.64	190.54	3.69
7894.00	15.48	357.95	7885.81	-20.87	-20.87	-5.84	21.67	195.63	3.34
7926.00	16.44	357.69	7916.57	-12.08	-12.08	-6.17	13.57	207.07	3.01
7958.00	17.67	357.16	7947.17	-2.71	-2.71	-6.60	7.13	247.70	3.87
7990.00	18.82	356.46	7977.56	7.30	7.30	-7.16	10.22	315.56	3.66
8021.00	19.96	357.95	8006.80	17.58	17.58	-7.65	19.17	336.47	4.01
8053.00	20.40	.15	8036.83	28.61	28.61	-7.84	29.66	344.69	2.74
8116.00	21.10	.50	8095.75	50.93	50.93	-7.71	51.51	351.39	1.13
8180.00	21.63	.06	8155.35	74.25	74.25	-7.59	74.63	354.16	.87
8243.00	21.28	358.83	8213.98	97.29	97.29	-7.82	97.60	355.41	.90
8307.00	20.66	358.83	8273.75	120.19	120.19	-8.28	120.47	356.06	.97
8402.00	20.22	358.66	8362.76	153.36	153.36	-9.01	153.62	356.64	.47
8497.00	19.79	359.89	8452.03	185.85	185.85	-9.42	186.09	357.10	.63
8560.00	19.70	359.80	8511.33	207.13	207.13	-9.48	207.35	357.38	.15
8623.00	19.96	.06	8570.59	228.51	228.51	-9.51	228.70	357.62	.44
8687.00	19.87	1.38	8630.77	250.30	250.30	-9.23	250.47	357.89	.72
8750.00	18.91	2.00	8690.19	271.21	271.21	-8.62	271.35	358.18	1.56
8814.00	17.50	4.46	8750.99	291.17	291.17	-7.51	291.26	358.52	2.51
8877.00	14.51	7.01	8811.54	308.45	308.45	-5.81	308.50	358.92	4.87
8940.00	13.10	4.02	8872.72	323.41	323.41	-4.35	323.43	359.23	2.51

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	C L O S U R E		Dogleg Severity Deg/100
Distance FT	Direction Deg								
9004.00	15.30	5.51	8934.76	339.05	339.05	-3.03	339.06	359.49	3.48
End of Pathfinder Survey									
9067.00	19.80	5.95	8994.81	357.94	357.94	-1.12	357.94	359.82	7.15
Begin DDC MWD Survey									
9102.00	21.90	3.20	9027.52	370.36	370.36	-.14	370.36	359.98	6.62
9133.00	22.42	2.17	9056.23	382.04	382.04	.40	382.04	.06	2.09
9165.00	21.90	1.12	9085.86	394.10	394.10	.75	394.10	.11	2.04
9194.00	21.28	.77	9112.83	404.77	404.77	.93	404.77	.13	2.18
9226.00	21.28	2.17	9142.65	416.38	416.38	1.23	416.38	.17	1.59
9260.00	20.66	1.47	9174.40	428.54	428.54	1.61	428.55	.22	1.97
9292.00	19.96	2.52	9204.41	439.64	439.64	2.00	439.65	.26	2.47
9324.00	20.58	2.88	9234.43	450.72	450.72	2.52	450.72	.32	1.98
9355.00	21.02	2.88	9263.40	461.71	461.71	3.07	461.72	.38	1.42
9387.00	20.93	3.93	9293.28	473.14	473.14	3.75	473.16	.45	1.21
9419.00	21.81	4.63	9323.08	484.77	484.77	4.63	484.79	.55	2.86
9451.00	22.51	4.63	9352.72	496.80	496.80	5.60	496.83	.65	2.19
9482.00	22.69	3.93	9381.34	508.68	508.68	6.49	508.72	.73	1.04
9514.00	21.98	3.58	9410.94	520.82	520.82	7.29	520.87	.80	2.26
9545.00	21.54	3.23	9439.73	532.29	532.29	7.97	532.35	.86	1.48
9610.00	20.49	3.93	9500.41	555.55	555.55	9.42	555.63	.97	1.66
9641.00	20.22	3.23	9529.47	566.31	566.31	10.10	566.40	1.02	1.17
9705.00	18.91	1.82	9589.77	587.72	587.72	11.05	587.83	1.08	2.18
9768.00	18.64	357.60	9649.42	607.99	607.99	10.95	608.09	1.03	2.20
9807.00	19.30	356.50	9686.31	620.65	620.65	10.30	620.73	.95	1.92
9869.00	17.70	353.00	9745.10	640.23	640.23	8.52	640.29	.76	3.14
9901.00	17.00	351.30	9775.65	649.68	649.68	7.22	649.72	.64	2.70
9996.00	16.30	354.40	9866.66	676.68	676.68	3.82	676.69	.32	1.19
10054.00	17.70	.08	9922.13	693.60	693.60	3.04	693.61	.25	3.74
10091.00	17.27	358.75	9957.42	704.71	704.71	2.93	704.72	.24	1.59
10123.00	16.80	1.50	9988.02	714.09	714.09	2.94	714.09	.24	2.91
10182.00	16.90	359.40	10044.49	731.19	731.19	3.08	731.19	.24	1.05
10218.00	15.70	.01	10079.04	741.29	741.29	3.02	741.30	.23	3.37
10249.00	15.70	.40	10108.88	749.68	749.68	3.05	749.68	.23	.34
10281.00	16.60	359.00	10139.62	758.58	758.58	3.00	758.58	.23	3.06
10345.00	16.50	358.00	10200.97	776.80	776.80	2.53	776.81	.19	.47
10408.00	16.70	356.90	10261.34	794.78	794.78	1.72	794.78	.12	.59
10467.00	16.20	356.50	10317.93	811.46	811.46	.76	811.46	.05	.87
10498.00	15.60	357.60	10347.74	819.94	819.94	.32	819.94	.02	2.17
10568.00	14.90	358.30	10415.28	838.34	838.34	-.34	838.34	359.98	1.03
10603.00	14.60	359.40	10449.12	847.25	847.25	-.52	847.25	359.97	1.17
10662.00	13.70	.10	10506.33	861.67	861.67	-.58	861.67	359.96	1.55
10694.00	13.63	.80	10537.43	869.23	869.23	-.52	869.23	359.97	.56
10759.00	14.50	1.10	10600.48	885.03	885.03	-.26	885.03	359.98	1.34
10791.00	14.50	2.20	10631.46	893.04	893.04	-.03	893.04	360.00	.86

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Vertical Section FT	N-S FT	E-W FT	CLOSURE		Dogleg Severity Deg/100
Distance FT	Direction Deg								
10856.00	14.10	3.23	10694.44	909.07	909.07	.73	909.07	.05	.73
End of DDC Survey									
10918.00	13.70	4.30	10754.63	923.93	923.93	1.71	923.93	.11	.77
Begin Single-Shot Survey									
11109.00	11.25	5.60	10941.10	965.04	965.04	5.22	965.05	.31	1.29
11300.00	9.02	7.25	11129.11	998.44	998.44	8.93	998.48	.51	1.18
11495.00	6.50	8.90	11322.31	1024.51	1024.51	12.57	1024.58	.70	1.30
11690.00	4.37	5.25	11516.42	1042.81	1042.81	14.95	1042.92	.82	1.11
11881.00	3.97	2.21	11706.92	1056.67	1056.67	15.87	1056.78	.86	.24
Last Single-Shot Survey									
12072.00	3.25	5.25	11897.54	1068.66	1068.66	16.62	1068.79	.89	.39
Projection									
12180.00	2.84	6.97	12005.39	1074.37	1074.37	17.23	1074.51	.92	.39

Company: Marbob Energy
Lease/Well: Hot Seat Fed. Com. #1
Location: Eddy County
State/Country: New Mexico



VERTICAL SECTION (Ft) @ .00°