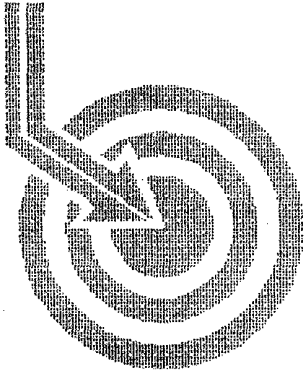




Scientific Drilling

MARBOB ENERGY

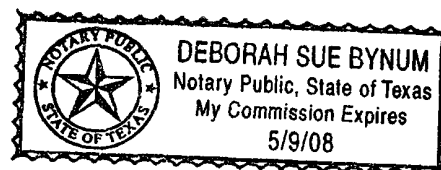
Field: Double Trouble
Site: Eddy County, NM
Well: Double Trouble Fed #1
Wellpath: VH - Job #32K0405240
Survey: 04/01/05

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

Greg Naudy.....Company Representative

Notorized this date 9th of May, 2005.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling International

Survey Report

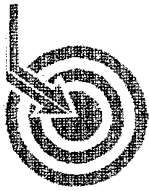
Company: MARBOB ENERGY
Field: Double Trouble
Site: Eddy County, NM
Well: Double Trouble Fed #1
Wellpath: VH - Job #32K0405240

Date: 5/9/2005 Time: 11:12:24 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,276.37Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 04/01/05 Start Date: 4/1/2005
KSRG 0'-1960'
Company: Scientific Drilling Internatio Engineer: Carter w/Gray
Tool: Keeper;Keeper Gyro Tied-to: From Surface

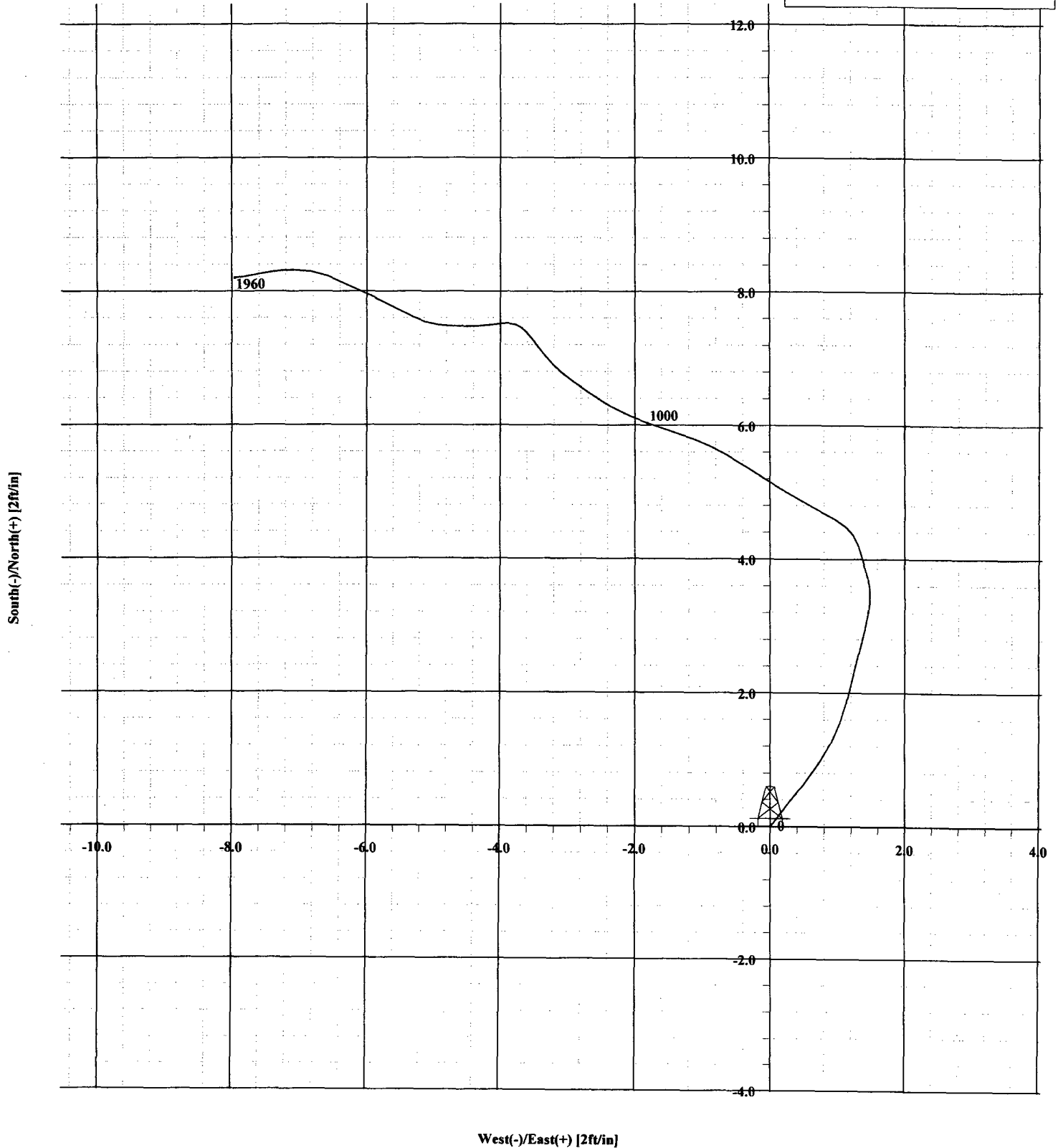
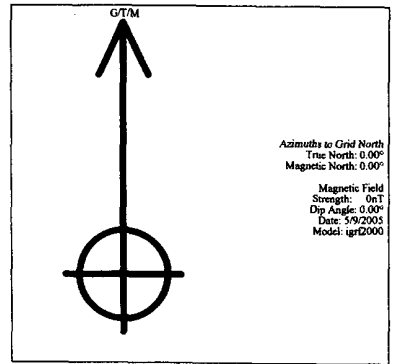
Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ClsD ft	ClsA deg
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.91	38.04	100.00	-0.42	0.63	0.49	0.91	0.79	38.04
200.00	0.72	13.99	199.99	-0.92	1.86	1.13	0.39	2.18	31.29
300.00	0.56	14.65	299.98	-1.07	2.94	1.41	0.16	3.26	25.54
400.00	0.33	346.17	399.98	-1.04	3.70	1.46	0.31	3.97	21.57
500.00	0.29	340.36	499.98	-0.83	4.21	1.31	0.05	4.41	17.23
600.00	0.31	298.29	599.97	-0.47	4.58	0.98	0.22	4.68	12.12
700.00	0.44	300.04	699.97	0.13	4.90	0.41	0.13	4.92	4.82
800.00	0.60	303.24	799.97	0.95	5.38	-0.36	0.16	5.39	356.20
900.00	0.39	290.85	899.96	1.75	5.79	-1.11	0.23	5.89	349.11
1000.00	0.46	287.91	999.96	2.47	6.03	-1.81	0.07	6.30	343.27
1100.00	0.66	303.53	1099.96	3.38	6.47	-2.68	0.25	7.00	337.55
1200.00	0.40	323.27	1199.95	4.13	7.07	-3.36	0.31	7.83	334.56
1300.00	0.17	312.32	1299.95	4.49	7.45	-3.68	0.24	8.31	333.70
1400.00	0.29	260.32	1399.95	4.85	7.51	-4.04	0.23	8.53	331.71
1500.00	0.44	271.47	1499.95	5.48	7.48	-4.68	0.17	8.82	327.98
1600.00	0.32	297.35	1599.95	6.12	7.61	-5.31	0.21	9.28	325.12
1700.00	0.43	296.65	1699.94	6.73	7.91	-5.89	0.11	9.86	323.33
1800.00	0.44	292.09	1799.94	7.45	8.22	-6.58	0.04	10.53	321.33
1900.00	0.53	260.58	1899.94	8.27	8.29	-7.39	0.28	11.11	318.28
1960.00	0.56	260.40	1959.93	8.82	8.20	-7.96	0.05	11.42	315.86



Scientific
Drilling

Field: Double Trouble
Site: Eddy County, NM
Well: Double Trouble Fed #1
Wellpath: VH - Job #32K0405240
Survey: 04/01/05



PathFinder Survey Report

Company: Marbob Energy	Date: 4/26/2005	Time: 15:32:08	Page: 1
Field: Double Trouble Fed Com #1	Co-ordinate(NE) Reference: Well: Double Trouble Fed Com #1		
Site: Section 3, T-21S, R-25E	Vertical (TVD) Reference: SITE 0.0		
Well: Double Trouble Fed Com #1	Section (VS) Reference: Well (0.00N,0.00E,276.37Azi)		
Wellpath: Original Hole	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Field: Double Trouble Fed Com #1

Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: igrf2005

Site: Section 3, T-21S, R-25E

Eddy County, New Mexico

Site Position:	Northing: 552835.60 ft	Latitude: 32 31 11.450 N
From: Geographic	Easting: 486701.46 ft	Longitude: 104 22 35.320 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 3298.00 ft		Grid Convergence: -0.02 deg

Well: Double Trouble Fed Com #1

Slot Name:

Well Position: +N/-S 0.00 ft	Northing: 552835.60 ft	Latitude: 32 31 11.450 N
+E/-W 0.00 ft	Easting: 486701.46 ft	Longitude: 104 22 35.320 W
Position Uncertainty: 0.00 ft		

Wellpath: Original Hole

Current Datum: SITE	Height 0.00 ft	Drilled From:	0.00 ft
Magnetic Data: 3/29/2005		Tie-on Depth:	Mean Sea Level
Field Strength: 49362 nT		Above System Datum:	
Vertical Section: Depth From (TVD)	+N/-S	Declination:	8.65 deg
ft	ft	Mag Dip Angle:	60.47 deg
		+E/-W	Direction
		ft	deg
0.00	0.00	0.00	276.37

Survey: PathFinder MWD Surveys

Start Date: 4/4/2005

Company: PathFinder Energy Services
Tool:

Engineer: Ron McIntyre
Tied-to: From: Definitive Path

Survey: PathFinder MWD Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
1960.00	0.56	260.40	1959.93	8.20	-7.96	8.82	0.00	0.00	0.00	Tie-In to Gyro Begin PathFinder MWD Surv
2020.00	1.76	276.89	2019.92	8.26	-9.16	10.02	2.06	2.00	27.48	
2094.00	3.25	291.57	2093.85	9.17	-12.24	13.18	2.18	2.01	19.84	
2157.00	4.57	291.48	2156.70	10.74	-16.24	17.33	2.10	2.10	-0.14	
2221.00	5.72	285.33	2220.44	12.52	-21.68	22.94	1.99	1.80	-9.61	
2281.00	6.86	284.71	2280.08	14.22	-28.03	29.44	1.90	1.90	-1.03	
2345.00	8.09	279.97	2343.54	15.97	-36.17	37.72	2.15	1.92	-7.41	
2409.00	8.65	279.70	2406.85	17.56	-45.35	47.01	0.88	0.87	-0.42	
2472.00	10.82	279.88	2468.94	19.37	-55.84	57.65	3.44	3.44	0.29	
2536.00	10.73	276.45	2531.82	21.07	-67.68	69.60	1.01	-0.14	-5.36	
2599.00	11.61	276.36	2593.62	22.44	-79.81	81.81	1.40	1.40	-0.14	
2666.00	12.75	277.95	2659.11	24.20	-93.83	95.94	1.77	1.70	2.37	
2729.00	13.54	274.96	2720.46	25.80	-108.07	110.26	1.65	1.25	-4.75	
2793.00	14.77	275.05	2782.52	27.17	-123.66	125.91	1.92	1.92	0.14	
2857.00	15.83	275.13	2844.25	28.67	-140.48	142.79	1.66	1.66	0.12	
2920.00	16.53	274.96	2904.75	30.21	-157.96	160.34	1.11	1.11	-0.27	
2984.00	17.15	275.49	2966.01	31.90	-176.43	178.88	1.00	0.97	0.83	
3047.00	17.59	274.70	3026.13	33.57	-195.16	197.68	0.79	0.70	-1.25	
3111.00	18.73	273.38	3086.95	34.97	-215.06	217.61	1.89	1.78	-2.06	
3175.00	19.52	272.23	3147.41	35.99	-236.00	238.54	1.37	1.23	-1.80	
3238.00	20.31	270.74	3206.65	36.54	-257.45	259.92	1.49	1.25	-2.37	
3302.00	21.37	272.06	3266.46	37.10	-280.21	282.60	1.81	1.66	2.06	
3365.00	22.34	272.15	3324.93	37.97	-303.65	305.98	1.54	1.54	0.14	
3429.00	23.21	273.29	3383.94	39.15	-328.39	330.71	1.52	1.36	1.78	

PathFinder

Survey Report

Company: Marbob Energy	Date: 4/26/2005	Time: 15:32:08	Page: 2
Field: Double Trouble Fed Com #1	Co-ordinate(NE) Reference:	Well: Double Trouble Fed Com #1	
Site: Section 3, T-21S, R-25E	Vertical (TVD) Reference:	SITE 0.0	
Well: Double Trouble Fed Com #1	Section (VS) Reference:	Well (0.00N,0.00E,276.37Azi)	
Wellpath: Original Hole	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: PathFinder MWD Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
3493.00	23.74	274.43	3442.64	40.86	-353.83	356.18	1.09	0.83	1.78	
3556.00	24.27	273.38	3500.19	42.61	-379.40	381.78	1.08	0.84	-1.67	
3620.00	25.06	272.23	3558.35	43.91	-406.07	408.44	1.44	1.23	-1.80	
3683.00	26.12	272.59	3615.17	45.06	-433.26	435.58	1.70	1.68	0.57	
3747.00	27.35	274.96	3672.33	46.96	-461.98	464.34	2.54	1.92	3.70	
3811.00	28.40	274.61	3728.91	49.46	-491.80	494.25	1.66	1.64	-0.55	
3874.00	29.19	273.82	3784.12	51.69	-522.06	524.57	1.39	1.25	-1.25	
3938.00	29.90	271.88	3839.79	53.25	-553.58	556.07	1.86	1.11	-3.03	
4001.00	30.60	271.27	3894.22	54.12	-585.30	587.69	1.21	1.11	-0.97	
4065.00	31.13	273.02	3949.15	55.35	-618.11	620.43	1.63	0.83	2.73	
4127.00	32.36	271.44	4001.88	56.61	-650.70	652.97	2.39	1.98	-2.55	
4190.00	33.06	271.97	4054.89	57.63	-684.73	686.90	1.20	1.11	0.84	
4253.00	33.33	271.71	4107.61	58.74	-719.21	721.28	0.48	0.43	-0.41	
4317.00	33.59	271.71	4161.00	59.79	-754.48	756.45	0.41	0.41	0.00	
4381.00	33.59	271.36	4214.31	60.74	-789.87	791.73	0.30	0.00	-0.55	
4445.00	33.33	270.74	4267.71	61.38	-825.15	826.87	0.67	-0.41	-0.97	
4508.00	32.98	269.77	4320.45	61.54	-859.61	861.13	1.01	-0.56	-1.54	
4572.00	32.98	268.89	4374.14	61.13	-894.44	895.70	0.75	0.00	-1.37	
4635.00	33.68	267.31	4426.78	59.98	-929.03	929.95	1.77	1.11	-2.51	
4699.00	34.21	268.98	4479.87	58.83	-964.75	965.32	1.68	0.83	2.61	
4763.00	34.65	269.33	4532.66	58.29	-1000.93	1001.22	0.75	0.69	0.55	
4826.00	35.00	269.42	4584.37	57.90	-1036.91	1036.93	0.56	0.56	0.14	
4890.00	35.26	270.04	4636.72	57.73	-1073.73	1073.51	0.69	0.41	0.97	
4953.00	35.00	268.81	4688.24	57.37	-1109.98	1109.49	1.20	-0.41	-1.95	
5017.00	35.00	270.98	4740.67	57.30	-1146.69	1145.96	1.94	0.00	3.39	
5080.00	35.53	270.65	4792.11	57.82	-1183.06	1182.17	0.89	0.84	-0.52	
5144.00	35.35	270.83	4844.25	58.29	-1220.16	1219.10	0.33	-0.28	0.28	
5208.00	35.00	271.18	4896.56	58.94	-1257.03	1255.80	0.63	-0.55	0.55	
5271.00	34.56	271.00	4948.31	59.62	-1292.96	1291.59	0.72	-0.70	-0.29	
5335.00	34.03	271.00	5001.18	60.25	-1329.01	1327.49	0.83	-0.83	0.00	
5399.00	33.68	271.80	5054.33	61.12	-1364.65	1363.01	0.89	-0.55	1.25	
5462.00	33.85	271.71	5106.70	62.20	-1399.65	1397.91	0.28	0.27	-0.14	
5526.00	33.50	272.94	5159.97	63.63	-1435.11	1433.31	1.20	-0.55	1.92	
5590.00	33.06	271.27	5213.47	64.93	-1470.20	1468.33	1.59	-0.69	-2.61	
5653.00	32.98	270.21	5266.29	65.37	-1504.53	1502.49	0.93	-0.13	-1.68	
5717.00	32.98	267.75	5319.98	64.75	-1539.35	1537.03	2.09	0.00	-3.84	
5780.00	32.62	266.87	5372.94	63.15	-1573.44	1570.73	0.95	-0.57	-1.40	
5844.00	33.41	268.72	5426.61	61.81	-1608.28	1605.21	2.00	1.23	2.89	
5907.00	33.68	268.89	5479.11	61.09	-1643.09	1639.72	0.45	0.43	0.27	
5971.00	33.33	269.60	5532.48	60.62	-1678.41	1674.78	0.82	-0.55	1.11	
6034.00	33.06	268.45	5585.20	60.04	-1712.90	1708.99	1.09	-0.43	-1.83	
6098.00	32.54	270.30	5639.00	59.65	-1747.56	1743.39	1.76	-0.81	2.89	
6161.00	32.08	270.04	5692.24	59.75	-1781.24	1776.87	0.76	-0.73	-0.41	
6228.00	32.54	271.62	5748.87	60.28	-1817.04	1812.51	1.44	0.69	2.36	
6292.00	33.33	272.41	5802.58	61.50	-1851.81	1847.21	1.40	1.23	1.23	
6355.00	34.47	273.82	5854.88	63.42	-1886.90	1882.28	2.20	1.81	2.24	
6419.00	33.85	276.63	5907.84	66.68	-1922.68	1918.20	2.65	-0.97	4.39	
6482.00	33.33	280.85	5960.32	71.97	-1957.11	1953.01	3.80	-0.83	6.70	
6546.00	33.24	280.23	6013.82	78.39	-1991.64	1988.04	0.55	-0.14	-0.97	
6609.00	32.45	280.41	6066.75	84.51	-2025.26	2022.13	1.26	-1.25	0.29	
6673.00	31.30	280.23	6121.10	90.57	-2058.50	2055.84	1.80	-1.80	-0.28	
6737.00	30.25	278.83	6176.09	96.00	-2090.80	2088.54	1.99	-1.64	-2.19	
6800.00	29.81	278.30	6230.63	100.69	-2121.97	2120.04	0.82	-0.70	-0.84	

PathFinder

Survey Report

Company: Marbob Energy	Date: 4/26/2005	Time: 15:32:08	Page: 3
Field: Double Trouble Fed Com #1	Co-ordinate(NE) Reference:	Well: Double Trouble Fed Com #1	
Site: Section 3, T-21S, R-25E	Vertical (TVD) Reference:	SITE 0.0	
Well: Double Trouble Fed Com #1	Section (VS) Reference:	Well (0.00N,0.00E,276.37Azi)	
Wellpath: Original Hole	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey: PathFinder MWD Surveys

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Tool/Comment
6864.00	28.40	278.04	6286.55	105.12	-2152.79	2151.16	2.21	-2.20	-0.41	
6927.00	27.44	276.80	6342.22	108.93	-2182.04	2180.65	1.78	-1.52	-1.97	
6991.00	25.94	275.66	6399.40	112.06	-2210.61	2209.39	2.48	-2.34	-1.78	
7055.00	24.97	274.61	6457.18	114.52	-2238.00	2236.89	1.67	-1.52	-1.64	
7118.00	24.62	273.64	6514.37	116.43	-2264.36	2263.29	0.85	-0.56	-1.54	
7184.00	22.69	273.82	6574.83	118.15	-2290.78	2289.74	2.93	-2.92	0.27	
7247.00	21.37	273.64	6633.23	119.69	-2314.36	2313.35	2.10	-2.10	-0.29	
7311.00	19.79	273.73	6693.14	121.13	-2336.81	2335.82	2.47	-2.47	0.14	
7375.00	18.82	273.82	6753.54	122.52	-2357.92	2356.96	1.52	-1.52	0.14	
7438.00	17.59	272.15	6813.39	123.56	-2377.57	2376.60	2.12	-1.95	-2.65	
7501.00	17.50	272.41	6873.45	124.31	-2396.55	2395.55	0.19	-0.14	0.41	
7565.00	16.62	273.73	6934.64	125.31	-2415.30	2414.29	1.50	-1.37	2.06	
7628.00	15.83	274.52	6995.13	126.58	-2432.86	2431.88	1.30	-1.25	1.25	
7692.00	14.60	273.64	7056.88	127.78	-2449.61	2448.66	1.96	-1.92	-1.37	
7756.00	14.07	274.61	7118.89	128.91	-2465.41	2464.49	0.91	-0.83	1.52	
7819.00	13.28	273.29	7180.11	129.95	-2480.27	2479.37	1.35	-1.25	-2.10	
7883.00	12.66	272.76	7242.47	130.70	-2494.61	2493.71	0.99	-0.97	-0.83	
7946.00	11.61	274.08	7304.06	131.49	-2507.83	2506.94	1.72	-1.67	2.10	
8010.00	10.90	277.95	7366.83	132.78	-2520.25	2519.42	1.62	-1.11	6.05	Last PathFinder MWD Survey
8072.00	10.90	277.95	7427.71	134.40	-2531.86	2531.14	0.00	0.00	0.00	Bit Projection

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec	← Longitude → Deg Min Sec
Target Cisco Canyon			8100.00	180.00	-2609.00	553016.65	484092.53	32 31 13.230 N	104 23 5.792 W
Double Trouble Fed Com #1 PBHL			10500.00	180.00	-2609.00	553016.65	484092.53	32 31 13.230 N	104 23 5.792 W

Annotation

MD ft	TVD ft	
1960.00	1959.93	Tie-In to Gyro
2020.00	2019.92	Begin PathFinder MWD Surveys
8010.00	7366.83	Last PathFinder MWD Survey
8072.00	7427.71	Bit Projection

Marbob Energy Corporation

Double Trouble Fed Com #1
Section 3, T21-S, R25-E
Eddy County, New Mexico
Final Plot

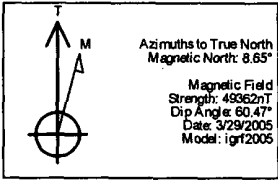
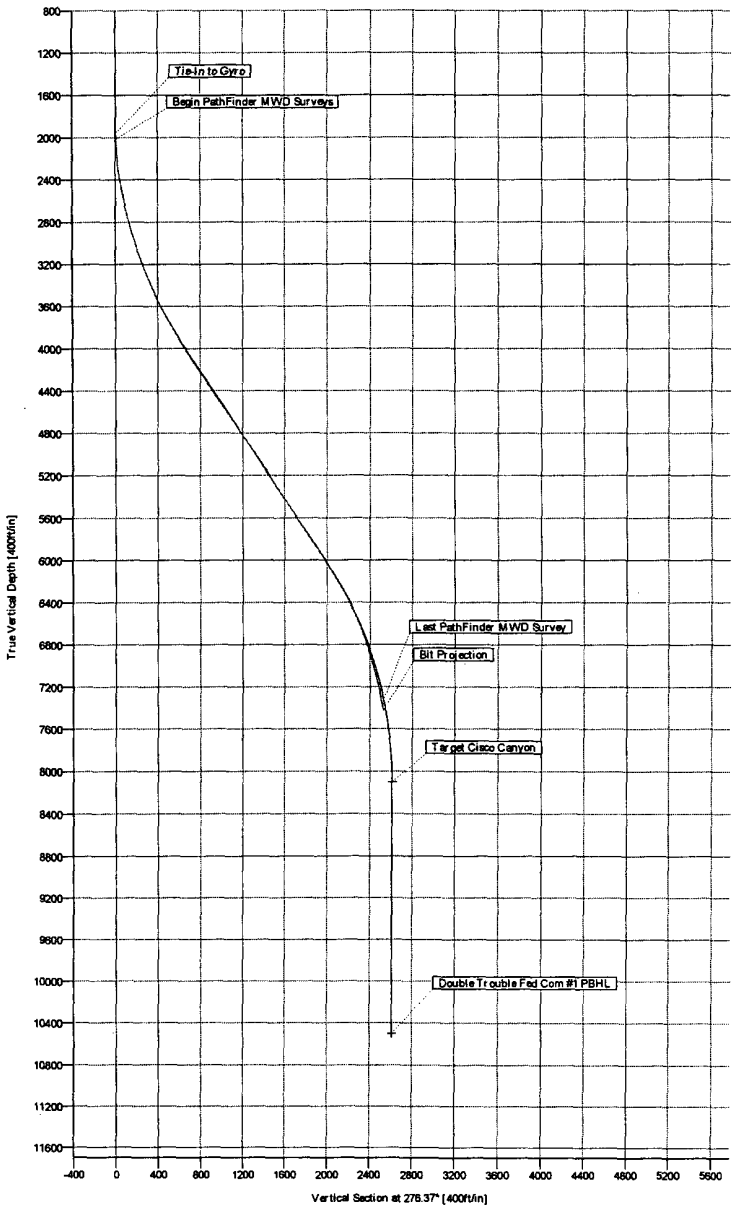
COMPANY DETAILS
Marbob Energy
2208 W. Main St.
Artesia, New Mexico
Calculation Method: Minimum Curvature
Error System: Systematic Ellipse
Scan Method: Closest Approach 3D
Error Surface: Elliptical Conic
Warning Method: Error Ratio



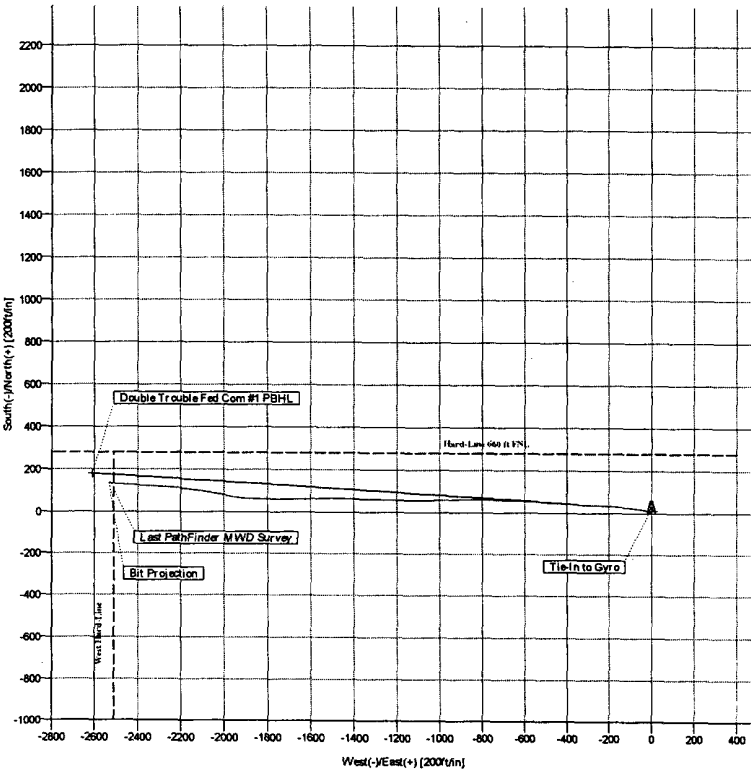
WELLPATH DETAILS

Original Hole			
Rig:	Patriot #3		
Ref. Datum:	SITE 0.00ft		
V. Section Angle	Origin +N-S	Origin +E-W	Starting From TVD
276.37°	0.00	0.00	0.00

WELL DETAILS						
Name	+N-S	+E-W	Northing	Easting	Latitude	Longitude
Double Trouble Fed Com #1	0.00	0.00	552835.60	486701.46	32°31'11.450N	104°22'35.320W



SITE DETAILS	
Section 3, T-21S, R-25E Eddy County, New Mexico	
Site Centre Latitude: 32°31'11.450N Longitude: 104°22'35.320W	
Ground Level: 3298.00 Positional Uncertainty: 0.00 Convergence: -0.02	





Directional Services

Job Number: 051117509487

Company: Marbob Energy Corp.

Lease/Well: Double Trouble Fed Com, Well #1

Location: Eddy County, NM

Rig Name: Patroit #33

RKB: 22'

G.L. or M.S.L.: GL

State/Country: Eddy County, NM

Declination: 8.65°

Grid: East To Grid

File name: F:\2005SU~1\MARBOB~1\TROUBLE1.SVY

Date/Time: 12-May-05 / 11:41

Curve Name: 8,200' - 11,265' M.D.

We hereby certify that our survey data from
8200 MD to 11265 MD is, to the best of
our knowledge a true and accurate account of
the well bore

Multi-Shot

Date

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 276.37
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
8010.00	10.90	277.95	7366.83	132.79	-2520.25	2519.42	2523.75	273.02	.00
Tied Multi-Shot Surface Recording Gyroscopic Surveys Into Pathfinder MWD									
8200.00	8.33	290.40	7554.17	140.07	-2550.95	2550.74	2554.79	273.14	1.73
8400.00	5.22	281.31	7752.75	146.91	-2573.46	2573.87	2577.65	273.27	1.64
8600.00	2.83	333.66	7952.30	153.12	-2584.57	2585.60	2589.10	273.39	2.07
8800.00	.11	275.36	8152.22	157.57	-2586.96	2588.47	2591.75	273.49	1.39
9000.00	.42	229.98	8352.21	157.11	-2587.71	2589.16	2592.47	273.47	.18
9200.00	2.27	292.03	8552.16	158.13	-2591.94	2593.48	2596.76	273.49	1.05
9400.00	2.60	300.05	8751.98	161.88	-2599.54	2601.45	2604.58	273.56	.24
9600.00	1.69	333.68	8951.84	166.80	-2604.77	2607.20	2610.11	273.66	.76
9800.00	1.11	260.82	9151.79	169.13	-2607.99	2610.66	2613.47	273.71	.86
10000.00	.35	258.68	9351.78	168.70	-2610.51	2613.11	2615.95	273.70	.38

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
10200.00	.55	114.66	9551.77	168.18	-2610.23	2612.78	2615.64	273.69	.43
10400.00	.12	285.48	9751.77	167.84	-2609.56	2612.07	2614.95	273.68	.33
10600.00	.32	100.11	9951.77	167.80	-2609.21	2611.72	2614.60	273.68	.22
10800.00	.21	269.55	10151.77	167.70	-2609.03	2611.53	2614.41	273.68	.26
11000.00	.50	290.99	10351.77	168.01	-2610.21	2612.74	2615.61	273.68	.16
11200.00	.11	109.34	10551.76	168.25	-2610.85	2613.39	2616.26	273.69	.30
Last Survey Depth Recorded									
11265.00	1.20	330.88	10616.76	168.83	-2611.12	2613.73	2616.57	273.70	1.98