

N.M. Oil Cons. Div-Dist. 2
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
1009 W. Grand Avenue
Artesia, NM 88210

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

5. LEASE DESIGNATION AND SERIAL NO.

NMNM92177

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

JR'S HORZ FEDERAL #2

9. API WELL NO.

30-015-33417 S1

10. FIELD AND POOL, OR WILDCAT

BRUSHY DRAW; DELAWARE

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SEC. 10-T26S-R29E

12. COUNTY OR PARISH 13. STATE

EDDY

NM

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)

6/22/04

7/5/04

7/29/04

18. ELEVATIONS (DF, RKB, RT, GE, ETC.)

2986' FL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY?

6899' MD, 5151' TVD / 6840' MD, 5151' TVD

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0 - 6899'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)

5425' - 6825' DELAWARE

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL, CSNG

RECEIVED

AUG 27 2004

OOD-ARTESIA

25. WAS DIRECTIONAL SURVEY MADE

YES

27. WAS WELL CORED

NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8" J55	36#	721'	12 1/4"	550 SX, CIRC	NONE
5 1/2" J55&L80	17#	6885'	7 7/8"	1850 SX, TOC @ 2950'	NONE

29. LINER RECORD

30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	4648'	

31. PERFORATION RECORD (Interval, size and number)

4 SAND JETTED SHOTS @ EACH OF THE FOLLOWING DEPTHS: 5425', 5650', 5875', 6125', 6375', 6600', & 6825' (28 SHOTS)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)

5425'-6825'

AMOUNT AND KIND OF MATERIAL USED

FRAC @ 5425' W/ 290 SX, 5650' W/ 277 SX, 5875' W/ 300 SX, 6125' W/ 220 SX, 6375' W/ 220 SX, 6600' W/ 220 SX, 6825' W/ 275 SX

33. * PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
8/9/04		PUMPING					PROD	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
8/10/04	24			15	14	190		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

SOLD

TEST WITNESSED BY

LENDELL HAWKINS

35. LIST OF ATTACHMENTS

LOGS, DEVIATION SURVEY, DIRECTIONAL SURVEY, GYROSCOPIC SURVEY

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE PRODUCTION ANALYST

DATE 8/24/04

*(See Instructions and Spaces for Additional Data on Reverse Side)

U.S. GOVERNMENT PRINTING OFFICE: 1992 - 774-672

JUL 13 2004

L & M DRILLING, INC.

OIL WELL DRILLING CONTRACTORS

PO BOX 1370

ARTESIA, NEW MEXICO 88211-1370

(505) 746-4405 746-3518 748-2205

July 12, 2004

Marbob Energy Corporation
PO Drawer 227
Artesia, NM 88211-0227

RE: JR's Horz Fed Com #2
330' FNL & 2310' FWL
Sec. 10, T26S, R29E
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION	DEPTH	DEVIATION
271'	1°	2235'	1 3/4°
527'	1/2°	2477'	1 1/4°
681'	1 1/4°	2725'	2 3/4°
847'	3/4°	2747'	2 3/4°
1003'	1 1/2°	2818'	2 3/4°
1130'	3/4°	2912'	2 3/4°
1190'	1°	3162'	1 1/2°
1318'	3/4°	3599'	1 1/4°
1508'	1/2°	4108'	1/2°
1756'	3/4°	4606'	3/4°
		5105'	3/4°

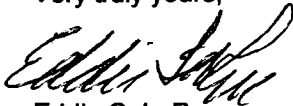
RECEIVED

AUG 27 2004

OCD-ARTESIA

additional surveys supplied by DD operator

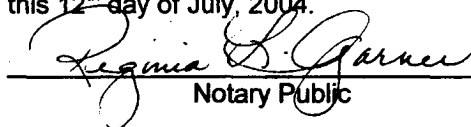
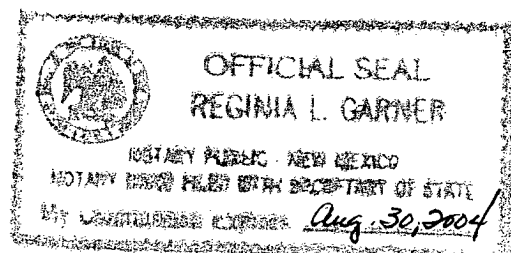
Very truly yours,



Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 12th day of July, 2004.


Notary Public

PATHFINDER

HEADER INFORMATION

Company: Marbob Energy
 Field: Gehrig Federal
 Site Name: JR's Horizontal Federal Com. #2 Mag Dec.Corr. +8.46 EAS TO GRID
 Well Name: JR's Horizontal Federal Com #2
 Survey Name: PathFinder MWD Survey Survey Date 7/9/2004 Survey Type 100 - 4600 Gyro Survey :
 4645 - 6899 PathFinder MWD Survey :

Depth Units: ft

SURFACE LOCATION

Site Northing 427173.1
 Site Easting 650912.1

BOTTOM HOLE LOCATION

BHL MD 6899
 BHL TVD 5150.86

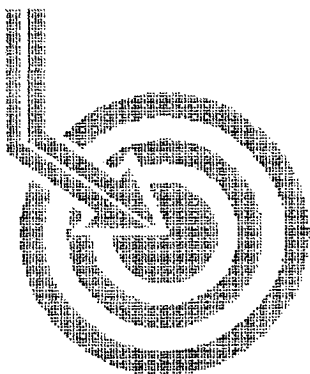
WELL INFORMATION

Well Northing: 427173.06
 Well Easting: 650912.13
 Rig K.B: 0
 Vsec Angle: 182.89
 Vsec North: 0
 Vsec East: 0

SURVEY LIST

MD	INC	AZI	TVD	NS	EW	VSEC	DLS	Northing	Easting	Latitude	Longitude
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	427173.06	650912.13	32°10'24.512N	103°50'44.137W
100.00	0.35	26.68	100.00	0.27	0.14	-0.28	0.35	427173.34	650912.27	32°10'24.514N	103°50'44.136W
200.00	0.42	31.76	200.00	0.86	0.47	-0.88	0.08	427173.92	650912.60	32°10'24.520N	103°50'44.132W
300.00	0.49	38.24	299.99	1.50	0.92	-1.55	0.09	427174.57	650913.05	32°10'24.527N	103°50'44.127W
400.00	0.28	13.45	399.99	2.08	1.25	-2.14	0.26	427175.15	650913.37	32°10'24.532N	103°50'44.123W
500.00	0.26	11.55	499.99	2.54	1.35	-2.60	0.02	427175.61	650913.47	32°10'24.537N	103°50'44.122W
600.00	0.49	29.56	599.99	3.13	1.60	-3.21	0.26	427176.20	650913.73	32°10'24.543N	103°50'44.119W
700.00	0.66	36.12	699.98	3.97	2.16	-4.07	0.18	427177.04	650914.27	32°10'24.551N	103°50'44.112W
800.00	0.69	68.68	799.98	4.65	3.06	-4.80	0.38	427177.73	650915.17	32°10'24.558N	103°50'44.102W
900.00	0.84	73.93	899.97	5.08	4.32	-5.29	0.17	427178.16	650916.43	32°10'24.562N	103°50'44.087W
1000.00	1.17	101.77	999.95	5.07	6.02	-5.37	0.58	427178.16	650918.14	32°10'24.562N	103°50'44.067W
1100.00	1.20	105.72	1099.93	4.58	8.03	-4.98	0.09	427177.68	650920.15	32°10'24.557N	103°50'44.044W
1200.00	1.12	116.68	1199.91	3.86	9.91	-4.35	0.24	427176.96	650922.03	32°10'24.550N	103°50'44.022W
1300.00	1.05	130.33	1299.89	2.82	11.49	-3.40	0.27	427175.94	650923.61	32°10'24.540N	103°50'44.004W
1400.00	0.93	134.69	1399.88	1.66	12.76	-2.30	0.14	427174.78	650924.89	32°10'24.528N	103°50'43.989W
1500.00	0.66	137.02	1499.87	0.67	13.73	-1.36	0.27	427173.79	650925.86	32°10'24.518N	103°50'43.978W
1600.00	0.93	181.33	1599.86	-0.56	14.10	-0.15	0.65	427172.56	650926.24	32°10'24.506N	103°50'43.973W
1700.00	0.87	186.11	1699.85	-2.13	14.00	1.42	0.10	427171.00	650926.15	32°10'24.491N	103°50'43.974W
1800.00	0.50	191.43	1799.84	-3.31	13.84	2.61	0.38	427169.81	650925.99	32°10'24.479N	103°50'43.976W
1900.00	0.58	194.13	1899.84	-4.23	13.63	3.54	0.08	427168.89	650925.78	32°10'24.470N	103°50'43.979W
2000.00	0.97	205.01	1999.83	-5.49	13.15	4.82	0.42	427167.63	650925.31	32°10'24.457N	103°50'43.984W
2100.00	1.19	213.03	2099.81	-7.13	12.22	6.50	0.27	427165.99	650924.39	32°10'24.441N	103°50'43.995W
2200.00	1.60	213.88	2199.78	-9.16	10.88	8.60	0.41	427163.96	650923.05	32°10'24.421N	103°50'44.011W
2300.00	1.57	206.24	2299.74	-11.54	9.49	11.05	0.21	427161.56	650921.68	32°10'24.397N	103°50'44.027W
2400.00	1.27	164.36	2399.71	-13.84	9.19	13.36	1.05	427159.26	650921.38	32°10'24.375N	103°50'44.030W
2500.00	1.33	140.69	2499.69	-15.81	10.22	15.27	0.54	427157.30	650922.43	32°10'24.355N	103°50'44.018W
2600.00	2.13	123.66	2599.64	-17.73	12.50	17.08	0.94	427155.39	650924.72	32°10'24.336N	103°50'43.992W
2700.00	3.40	105.50	2699.53	-19.56	16.91	18.68	1.53	427153.58	650929.13	32°10'24.318N	103°50'43.941W
2800.00	3.82	99.86	2799.33	-20.92	23.05	19.73	0.55	427152.25	650935.28	32°10'24.305N	103°50'43.869W
2900.00	3.22	95.10	2899.14	-21.74	29.13	20.24	0.67	427151.46	650941.36	32°10'24.297N	103°50'43.798W
3000.00	2.33	101.20	2999.02	-22.38	33.92	20.64	0.94	427150.83	650946.15	32°10'24.290N	103°50'43.743W
3100.00	1.59	106.04	3098.96	-23.16	37.25	21.25	0.76	427150.07	650949.48	32°10'24.282N	103°50'43.704W
3200.00	1.51	107.35	3198.92	-23.94	39.84	21.90	0.09	427149.31	650952.08	32°10'24.275N	103°50'43.674W
3300.00	1.21	101.41	3298.90	-24.54	42.13	22.38	0.33	427148.71	650954.37	32°10'24.269N	103°50'43.647W
3400.00	1.12	95.56	3398.88	-24.84	44.14	22.59	0.15	427148.42	650956.38	32°10'24.266N	103°50'43.624W
3500.00	1.00	98.05	3498.86	-25.06	45.97	22.71	0.13	427148.21	650958.22	32°10'24.264N	103°50'43.602W
3600.00	1.03	87.48	3598.84	-25.14	47.74	22.70	0.19	427148.14	650959.98	32°10'24.263N	103°50'43.582W
3700.00	0.96	84.00	3698.83	-25.02	49.47	22.49	0.09	427148.27	650961.71	32°10'24.264N	103°50'43.562W
3800.00	1.03	66.37	3798.81	-24.57	51.12	21.96	0.31	427148.73	650963.37	32°10'24.269N	103°50'43.543W
3900.00	0.80	86.87	3898.80	-24.17	52.64	21.48	0.40	427149.13	650964.89	32°10'24.272N	103°50'43.525W
4000.00	0.75	91.27	3998.79	-24.15	53.99	21.39	0.08	427149.16	650966.24	32°10'24.273N	103°50'43.509W
4100.00	0.60	92.15	4098.78	-24.18	55.17	21.37	0.15	427149.13	650967.42	32°10'24.272N	103°50'43.495W
4200.00	0.45	100.29	4198.78	-24.27	56.08	21.41	0.17	427149.05	650968.33	32°10'24.271N	103°50'43.485W

MD	INC	AZI	TVD	NS	EW	VSEC	DLS	Northing	Easting	Latitude	Longitude
4300.00	0.40	63.00	4298.78	-24.18	56.78	21.29	0.28	427149.14	650969.02	32°10'24.272N	103°50'43.477W
4400.00	0.70	67.58	4398.77	-23.79	57.65	20.85	0.30	427149.53	650969.90	32°10'24.276N	103°50'43.467W
4500.00	0.40	82.94	4498.77	-23.51	58.57	20.53	0.33	427149.81	650970.81	32°10'24.279N	103°50'43.456W
4600.00	0.51	66.45	4598.76	-23.29	59.32	20.27	0.17	427150.04	650971.56	32°10'24.281N	103°50'43.447W
4645.00	0.62	48.66	4643.76	-23.05	59.69	20.01	0.46	427150.28	650971.93	32°10'24.284N	103°50'43.443W
4677.00	1.52	162.26	4675.76	-23.34	59.95	20.29	5.80	427149.99	650972.19	32°10'24.281N	103°50'43.440W
4709.00	4.13	175.18	4707.72	-24.90	60.17	21.83	8.34	427148.44	650972.42	32°10'24.265N	103°50'43.437W
4740.00	7.67	176.68	4738.55	-28.07	60.39	24.99	11.43	427145.26	650972.65	32°10'24.234N	103°50'43.435W
4771.00	11.61	177.38	4769.10	-33.26	60.65	30.16	12.72	427140.08	650972.93	32°10'24.183N	103°50'43.432W
4802.00	16.00	178.44	4799.20	-40.65	60.91	37.52	14.18	427132.69	650973.23	32°10'24.109N	103°50'43.429W
4833.00	20.00	180.55	4828.68	-50.22	60.97	47.08	13.07	427123.12	650973.33	32°10'24.015N	103°50'43.428W
4865.00	24.71	185.03	4858.27	-62.37	60.33	59.24	15.64	427110.97	650972.75	32°10'23.894N	103°50'43.435W
4895.00	28.31	188.02	4885.11	-75.66	58.79	72.60	12.79	427097.67	650971.27	32°10'23.763N	103°50'43.453W
4926.00	31.83	188.81	4911.93	-91.02	56.51	88.06	11.43	427082.30	650969.06	32°10'23.611N	103°50'43.480W
4957.00	35.17	188.54	4937.78	-107.94	53.93	105.08	10.78	427065.37	650966.56	32°10'23.443N	103°50'43.510W
4989.00	38.78	188.19	4963.34	-126.98	51.14	124.23	11.30	427046.32	650963.85	32°10'23.255N	103°50'43.542W
5019.00	41.68	188.10	4986.24	-146.15	48.39	143.53	9.67	427027.13	650961.19	32°10'23.065N	103°50'43.574W
5051.00	45.20	187.31	5009.47	-167.95	45.45	165.45	11.13	427005.32	650958.34	32°10'22.850N	103°50'43.609W
5082.00	48.63	186.87	5030.65	-190.42	42.66	188.02	11.11	426982.84	650955.65	32°10'22.627N	103°50'43.641W
5114.00	51.53	188.19	5051.18	-214.75	39.43	212.48	9.60	426958.50	650952.54	32°10'22.386N	103°50'43.679W
5146.00	54.43	188.19	5070.44	-240.03	35.80	237.92	9.06	426933.20	650949.02	32°10'22.136N	103°50'43.721W
5177.00	56.89	188.37	5087.93	-265.36	32.11	263.40	7.95	426907.85	650945.45	32°10'21.886N	103°50'43.764W
5208.00	59.62	188.90	5104.24	-291.42	28.15	289.63	8.93	426881.77	650941.61	32°10'21.628N	103°50'43.810W
5240.00	63.84	189.07	5119.39	-319.25	23.75	317.65	13.20	426853.92	650937.33	32°10'21.352N	103°50'43.861W
5271.00	68.24	189.25	5131.98	-347.21	19.24	345.80	14.20	426825.94	650932.95	32°10'21.076N	103°50'43.913W
5301.00	72.55	187.66	5142.04	-375.16	15.09	373.92	15.21	426797.98	650928.93	32°10'20.799N	103°50'43.962W
5332.00	78.00	186.26	5149.92	-404.91	11.46	403.81	18.11	426768.21	650925.43	32°10'20.505N	103°50'44.004W
5364.00	83.45	186.52	5155.07	-436.28	7.95	435.32	17.05	426736.82	650922.06	32°10'20.194N	103°50'44.045W
5395.00	87.14	187.66	5157.62	-466.93	4.13	466.13	12.45	426706.15	650918.39	32°10'19.891N	103°50'44.089W
5419.00	88.64	187.66	5158.50	-490.70	0.94	490.03	6.25	426682.37	650915.30	32°10'19.656N	103°50'44.126W
5451.00	89.34	187.93	5159.06	-522.40	-3.40	521.91	2.34	426650.65	650911.10	32°10'19.342N	103°50'44.177W
5482.00	89.87	187.75	5159.28	-553.11	-7.63	552.79	1.81	426619.92	650907.01	32°10'19.038N	103°50'44.226W
5513.00	89.78	187.66	5159.37	-583.83	-11.79	583.68	0.41	426589.18	650903.00	32°10'18.734N	103°50'44.274W
5542.00	89.34	187.23	5159.60	-612.59	-15.54	612.59	2.12	426560.41	650899.37	32°10'18.449N	103°50'44.318W
5572.00	90.04	187.31	5159.76	-642.34	-19.34	642.50	2.35	426530.64	650895.71	32°10'18.155N	103°50'44.362W
5605.00	89.78	186.52	5159.81	-675.10	-23.31	675.42	2.52	426497.86	650891.88	32°10'17.831N	103°50'44.409W
5668.00	91.28	186.35	5159.23	-737.70	-30.37	738.30	2.40	426435.23	650885.11	32°10'17.211N	103°50'44.491W
5699.00	90.92	185.64	5158.63	-768.53	-33.61	769.24	2.57	426404.39	650882.01	32°10'16.906N	103°50'44.528W
5730.00	90.66	185.29	5158.20	-799.38	-36.56	800.21	1.41	426373.52	650879.20	32°10'16.601N	103°50'44.563W
5762.00	90.31	185.20	5157.93	-831.25	-39.49	832.18	1.13	426341.64	650876.42	32°10'16.285N	103°50'44.597W
5793.00	89.69	184.94	5157.93	-862.13	-42.23	863.16	2.17	426310.75	650873.82	32°10'15.980N	103°50'44.629W
5856.00	90.84	184.59	5157.64	-924.91	-47.46	926.12	1.91	426247.95	650868.87	32°10'15.359N	103°50'44.689W
5919.00	91.01	184.24	5156.63	-987.71	-52.31	989.09	0.62	426185.12	650864.30	32°10'14.737N	103°50'44.746W
5950.00	90.75	184.06	5156.15	-1018.63	-54.55	1020.08	1.02	426154.20	650862.20	32°10'14.431N	103°50'44.772W
6011.00	90.22	183.53	5155.63	-1079.49	-58.59	1081.07	1.23	426093.32	650858.44	32°10'13.829N	103°50'44.819W
6073.00	89.78	183.62	5155.63	-1141.37	-62.46	1143.07	0.72	426031.42	650854.85	32°10'13.216N	103°50'44.864W
6103.00	89.34	183.10	5155.86	-1171.32	-64.21	1173.07	2.27	426001.47	650853.23	32°10'12.920N	103°50'44.884W
6135.00	89.34	183.18	5156.23	-1203.27	-65.97	1205.06	0.25	425969.51	650851.62	32°10'12.604N	103°50'44.905W
6166.00	89.25	183.27	5156.61	-1234.22	-67.71	1236.06	0.41	425938.55	650850.02	32°10'12.298N	103°50'44.925W
6228.00	90.48	183.61	5156.76	-1296.10	-71.43	1298.06	2.06	425876.65	650846.58	32°10'11.685N	103°50'44.968W
6291.00	89.94	183.12	5156.53	-1358.99	-75.13	1361.05	1.16	425813.74	650843.17	32°10'11.063N	103°50'45.011W
6323.00	89.61	182.83	5156.65	-1390.95	-76.79	1393.05	1.37	425781.78	650841.65	32°10'10.747N	103°50'45.031W
6386.00	90.67	184.72	5156.50	-1453.81	-80.94	1456.04	3.44	425718.90	650837.79	32°10'10.124N	103°50'45.079W
6449.00	90.73	184.54	5155.73	-1516.60	-86.02	1519.01	0.30	425656.09	650832.99	32°10'09.503N	103°50'45.138W
6511.00	90.06	184.33	5155.30	-1578.41	-90.82	1580.98	1.13	425594.26	650828.48	32°10'08.891N	103°50'45.194W
6542.00	89.78	184.43	5155.35	-1609.32	-93.18	1611.97	0.96	425563.34	650826.25	32°10'08.585N	103°50'45.221W
6604.00	90.95	185.56	5154.95	-1671.08	-98.58	1673.93	2.62	425501.55	650821.13	32°10'07.974N	103°50'45.284W
6665.00	90.95	186.08	5153.94	-1731.76	-104.77	1734.84	0.85	425440.85	650815.22	32°10'07.374N	103°50'45.356W
6727.00	91.23	185.58	5152.76	-1793.43	-111.06	1796.75	0.92	425379.15	650809.20	32°10'06.764N	103°50'45.429W
6758.00	90.95	185.20	5152.17	-1824.28	-113.97	1827.71	1.52	425348.28	650806.43	32°10'06.458N	103°50'45.463W
6820.00	90.45	184.72	5151.41	-1886.05	-119.33	1889.67	1.12	425286.49	650801.35	32°10'05.847N	103°50'45.526W
6852.00	90.39	184.18	5151.18	-1917.95	-121.82	1921.65	1.70	425254.58	650799.01	32°10'05.531N	103°50'45.555W
6899.00	90.39	184.18	5150.86	-1964.82	-125.24	1968.64	0.00	425207.69	650795.80	32°10'05.067N	103°50'45.594W



Scientific Drilling

MARBOB ENERGY

Field: Brushy Draw
Site: Eddy County, NM
Well: JR's Horizontal Fed Com #2
Wellpath: VH - Job #32K0604397
Survey: 06/29/04

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AUG 27 2004

OCD-ARTEBIA

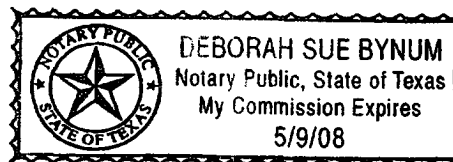
This survey is correct to the best of my knowledge
and is supported by actual field data.

Deed Nave Company Representative

Notorized this date 29th of July, 2004.

Deborah Sue Bynum
Notary Signature

County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling Survey Report

Company: MARBOB ENERGY	Date: 7/28/2004	Time: 17:32:43	Page: 1
Field: Brushy Draw	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: JR's Horizontal Fed Com #2	Section (VS) Reference:	Well (0.00N,0.00E,182.89Azi)	
Wellpath: VH - Job #32K0604397	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey: 06/29/04	Start Date: 6/29/2004
Company: KSRG 0'-5080'	
Tool: Scientific Drilling	Engineer: Guebara/Stahl
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	0.00	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.35	26.68	100.0	-0.3	0.3	0.1	0.35	0.3	26.68
200.0	0.42	31.76	200.0	-0.9	0.9	0.5	0.08	1.0	28.58
300.0	0.49	38.24	300.0	-1.5	1.5	0.9	0.09	1.8	31.57
400.0	0.28	13.45	400.0	-2.1	2.1	1.2	0.26	2.4	30.95
500.0	0.26	11.55	500.0	-2.6	2.5	1.3	0.02	2.9	27.98
600.0	0.49	29.56	600.0	-3.2	3.1	1.6	0.26	3.5	27.13
700.0	0.66	36.12	700.0	-4.1	4.0	2.2	0.18	4.5	28.50
800.0	0.69	68.68	800.0	-4.8	4.7	3.1	0.38	5.6	33.29
900.0	0.84	73.93	900.0	-5.3	5.1	4.3	0.17	6.7	40.41
1000.0	1.17	101.77	1000.0	-5.4	5.1	6.0	0.58	7.9	49.92
1100.0	1.20	105.72	1099.9	-5.0	4.6	8.0	0.09	9.2	60.32
1200.0	1.12	116.68	1199.9	-4.4	3.9	9.9	0.24	10.6	68.75
1300.0	1.05	130.33	1299.9	-3.4	2.8	11.5	0.27	11.8	76.19
1400.0	0.93	134.69	1399.9	-2.3	1.7	12.8	0.14	12.9	82.59
1500.0	0.66	137.02	1499.9	-1.4	0.7	13.7	0.27	13.7	87.21
1600.0	0.93	181.33	1599.9	-0.1	-0.6	14.1	0.65	14.1	92.29
1700.0	0.87	186.11	1699.8	1.4	-2.1	14.0	0.10	14.2	98.65
1800.0	0.50	191.43	1799.8	2.6	-3.3	13.8	0.38	14.2	103.47
1900.0	0.58	194.13	1899.8	3.5	-4.2	13.6	0.08	14.3	107.25
2000.0	0.97	205.01	1999.8	4.8	-5.5	13.1	0.42	14.2	112.66
2100.0	1.19	213.03	2099.8	6.5	-7.1	12.2	0.27	14.1	120.25
2200.0	1.60	213.88	2199.8	8.6	-9.2	10.9	0.41	14.2	130.09
2300.0	1.57	206.24	2299.7	11.1	-11.5	9.5	0.21	14.9	140.57
2400.0	1.27	164.36	2399.7	13.4	-13.8	9.2	1.05	16.6	146.43
2500.0	1.33	140.69	2499.7	15.3	-15.8	10.2	0.54	18.8	147.11
2600.0	2.13	123.66	2599.6	17.1	-17.7	12.5	0.94	21.7	144.81
2700.0	3.40	105.50	2699.5	18.7	-19.6	16.9	1.53	25.9	139.15
2800.0	3.82	99.86	2799.3	19.7	-20.9	23.0	0.55	31.1	132.23
2900.0	3.22	95.10	2899.1	20.2	-21.7	29.1	0.67	36.3	126.74
3000.0	2.33	101.20	2999.0	20.6	-22.4	33.9	0.94	40.6	123.42
3100.0	1.59	106.04	3099.0	21.3	-23.2	37.2	0.76	43.9	121.88
3200.0	1.51	107.35	3198.9	21.9	-23.9	39.8	0.09	46.5	121.00
3300.0	1.21	101.41	3298.9	22.4	-24.5	42.1	0.33	48.8	120.22
3400.0	1.12	95.56	3398.9	22.6	-24.8	44.1	0.15	50.6	119.37
3500.0	1.00	98.05	3498.9	22.7	-25.1	46.0	0.13	52.4	118.60
3600.0	1.03	87.48	3598.8	22.7	-25.1	47.7	0.19	54.0	117.78
3700.0	0.96	84.00	3698.8	22.5	-25.0	49.5	0.09	55.4	116.83
3800.0	1.03	66.37	3798.8	22.0	-24.6	51.1	0.31	56.7	115.67
3900.0	0.80	86.87	3898.8	21.5	-24.2	52.6	0.40	57.9	114.66
4000.0	0.75	91.27	3998.8	21.4	-24.1	54.0	0.08	59.1	114.09
4100.0	0.60	92.15	4098.8	21.4	-24.2	55.2	0.15	60.2	113.67
4200.0	0.45	100.29	4198.8	21.4	-24.3	56.1	0.17	61.1	113.40
4300.0	0.40	63.00	4298.8	21.3	-24.2	56.8	0.28	61.7	113.07
4400.0	0.70	67.58	4398.8	20.9	-23.8	57.7	0.30	62.4	112.42
4500.0	0.40	82.94	4498.8	20.5	-23.5	58.6	0.33	63.1	111.88
4600.0	0.51	66.45	4598.8	20.3	-23.3	59.3	0.17	63.7	111.44
4700.0	0.52	30.49	4698.8	19.7	-22.7	60.0	0.32	64.1	110.76
4800.0	0.61	10.25	4798.8	18.7	-21.8	60.3	0.22	64.1	109.89



Scientific Drilling Survey Report

Company: MARBOB ENERGY	Date: 7/28/2004	Time: 17:32:43	Page: 2
Field: Brushy Draw	Co-ordinate(NE) Reference:	Site: Eddy County, NM, Grid North	
Site: Eddy County, NM	Vertical (TVD) Reference:	SITE 0.0	
Well: JR's Horizontal Fed Com #2	Section (VS) Reference:	Well (0.00N,0.00E,182.89Azi)	
Wellpath: VH - Job #32K0604397	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	0.36	29.30	4898.8	17.9	-21.0	60.5	0.29	64.1	109.14
5000.0	0.16	153.08	4998.8	17.8	-20.9	60.7	0.47	64.2	108.95
5080.0	0.41	355.25	5078.8	17.6	-20.7	60.8	0.70	64.2	108.79



**Scientific
Drilling**

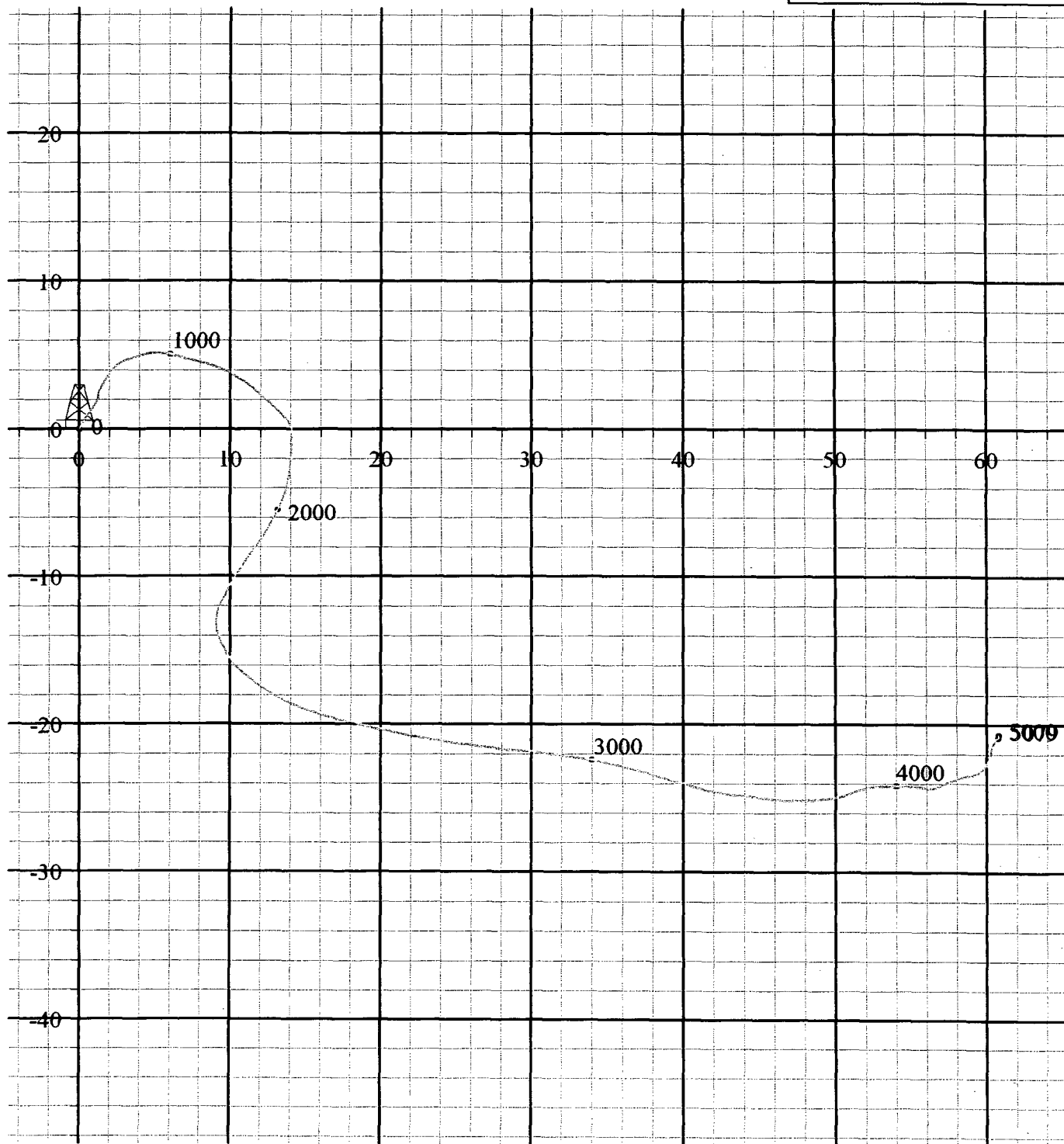
Field: Brushy Draw
Site: Eddy County, NM
Well: JR's Horizontal Fed Com #2
Wellpath: VH - Job #32K0604397
Survey: 06/29/04



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 7/28/2004
Model: igrt2000

South(-)/North(+) [10ft/in]



West(-)/East(+) [10ft/in]