Form 3160-4
(July 1992)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

N.M. Oil Cons. DIV-Dist. 2
1301 W. Grand Avenue
Artesia, NM 88210

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

5. LEASE DESIGNATION AND SERIAL NO.
NMLC029395B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ___ GAS WELL X DRY ___ Other ___

b. TYPE OF COMPLETION: NEW WELL X WORK OVER ___ DEEP-EN ___ PLUG BACK ___ DIFF. RESVR. ___ Other ___

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.
OXY DOC SLAWIN FEDERAL #1

2. NAME OF OPERATOR
MARBOB ENERGY CORPORATION

3. ADDRESS AND TELEPHONE NO.
PO BOX 227, ARTESIA, NM 88211-0227 (505) 748-3303

9. API WELL NO.
30-015-33180

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 460 FSL 640 FWL, UNIT M

10. FIELD AND POOL, OR WILDCAT
HACKBERRY

At top prod. interval reported below
SAME

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SEC. 29-T17S-R31E

At total depth
691 FSL 690 FWL, UNIT M

ACCEPTED FOR RECORD
JUL 21 2004
ALEXIS C. SWOBODA
PETROLEUM ENGINEER

14. PERMIT NO. ___ DATE ISSUED ___

12. COUNTY OR PARISH: EDDY
13. STATE: NM

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GE, ETC.)*	19. ELEV. CASINGHEAD
3/16/04	4/20/04	6/11/04	3691' GL	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
11800'	7706'		→	0 - 11800'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)*
NON-PRODUCTIVE - TO BE P&A

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
DLL, CSNG

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
16" J55	65#	422'	20"	450 SX, CIRC	NONE
11 3/4" H40	42#	1645'	14 3/4"	750 SX, CIRC	NONE
8 5/8" J55	32#	4256'	11"	870 SX, CIRC	NONE
5 1/2" S95/P110	17#	11797'	7 7/8"	1170 SX, CIRC	NONE

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
NONE		

31. PERFORATION RECORD (Interval, size and number)
11585-11588 (24 SHOTS) 5624-5640 (9 SHOTS)
11422-11502 (24 SHOTS)
9356-9360 (10 SHOTS)
8275-8385 (15 SHOTS)
7762-8128 (20 SHOTS)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11585-11588'	ACDZ W/ 500 GAL CLAY SAFE H ACID
11422-11502'	ACDZ W/ 2500 GAL CLAY SAFE H ACID
8275-8385'	ACDZ W/ 4500 GAL 20% NEFE ACID
8275-8385'	SQZ W/ 75 SX P+
5624-5640'	SQZ W/ 72 SX CMT

33. * PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
		SHUT IN

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD →	OIL---BBL.	GAS---MCF.	WATER---BBL.	GAS-OIL RATIO

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.)
SHUT IN

TEST WITNESSED BY

RECEIVED
JUL 28 2004
OCD-ARTESIA

35. LIST OF ATTACHMENTS
LOGS, DEVIATION SURVEY, GYROSCOPIC SURVEY, WELLBORE SKETCH

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

SIGNED [signature] TITLE PRODUCTION ANALYST DATE 7/20/04

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitous or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			SET CIBP @ 11375'. DUMP 35 ~~SX~~ CMT ON TOP. SET CIBP @ 9310'. DUMP 35 ~~SX~~ CMT ON TOP. SET CIBP @ 7706'. SET CEMENT RETAINER @ 5584'

38. GEOLOGICAL MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
RUSTLER	430'	
YATES	1737'	
SEVEN RIVERS	2086'	
BOWERS	2508'	
QUEEN	2739'	
SAN ANDRES	3590'	
WOLFCAMP	8944'	
PENN SHALE	9805'	
STRAWN	10647'	
ATOKA	10895'	
MORROW CLASTICS	11376'	
CHESTER	11614'	

38. GEOLOGICAL MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH

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

Well: Oxy Dor Glenwin Fed. 1

Location: Surface: 460' FSL, 640' FWL
BHL: 691' FSL, 690' FWL
M-29-17s-31e
Eddy, NM

Zo: 17' AGL
KB: 3709'
GL: 3692'

Casing Program:

Size	Wt.	Grade	Conn.	Depth
16"	65	J55	BTC	422'
11 3/4"	42	HYD	STC	1645'
8 5/8"	32	J55	BTC	4256'
5 1/2"	17	N95-110	LTC	11797'

20"

16" @ 422'
250 HLC + 200 "C" (Circ 153)

11 3/4" @ 1645'
550 HLC + 200 "C" (Circ 180)

11"

TOC 3800' TS

8 5/8" @ 4256'
670 InterFill C + 200 "C" (Circ 100 sx)

Rtnr 5584'

7 7/8"

5624-5640' (9) BS
Sqz'd 72 sx

CIBP 7706'

7762'
8128' (20) BS

8275-8385' (15) BS

DV 8992'

CIBP 9310' + 35' cmt

9356-9360' (5) WC

Perforations:
10030'
11605'

FC 11748'

CIBP + 35' cmt 11575'

11422-11502' (24) Morrow
11585-88' (24) Morrow

5 1/2" @ 11797'

1st: 400 Super H (Circ 25 sx)
2nd: 170 InterFill H + 600 Super H

11800'

— Sketch Not To Scale —

KBCollins / 22 Apr 04

PathFinder Energy Services

Job No: J-WT-0404-0032
Date: 4/20/2004
Time: 6:40 am
Wellpath ID: oxydoc
Date Created: 4/7/2004
Last Revision: 4/20/2004

Survey Report

Calculated using the Minimum Curvarture Method
Computed using PDS VER2.2.6
Vertical Section Plane: 15.64 deg.

Survey Reference: WELLHEAD
Vertical Section Reference: WELLHEAD
Closure Reference: WELLHEAD
TVD Reference: WELLHEAD

Marbob Energy
Eddy County, N.M.
Oxy Doc Slawin Fed #1
Oxy Doc Slawin Fed #1
Original

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)	(ft)	DLS (dg/100ft)	Vertical Section (ft)	Closure Dist. (ft)	Dir. (deg.)
Tie into SDI Gyro										
7100.00	2.98	336.97	0.00	7098.32	90.39 N	52.39W	0.00	72.92	104.48	@329.90
7138.00	2.64	328.91	38.00	7136.27	92.05 N	53.23W	1.37	74.29	106.33	@329.96
7170.00	2.29	329.87	32.00	7168.24	93.23 N	53.93W	1.10	75.24	107.71	@329.95
7202.00	2.11	340.33	32.00	7200.22	94.34 N	54.45W	1.37	76.17	108.93	@330.01
7232.00	2.29	342.44	30.00	7230.20	95.43 N	54.82W	0.66	77.12	110.05	@330.13
7263.00	2.37	1.16	31.00	7261.17	96.66 N	54.99W	2.46	78.26	111.21	@330.37
7293.00	1.93	16.02	30.00	7291.15	97.77 N	54.84W	2.36	79.37	112.10	@330.71
7323.00	2.58	20.06	30.00	7321.13	98.89 N	54.47W	2.23	80.54	112.90	@331.15
7354.00	2.81	24.37	31.00	7352.10	100.24 N	53.91W	0.99	81.99	113.82	@331.73
7386.00	2.81	20.32	32.00	7384.06	101.69 N	53.32W	0.62	83.55	114.82	@332.33
7417.00	2.90	29.02	31.00	7415.02	103.08 N	52.67W	1.43	85.07	115.76	@332.93
7510.00	2.37	19.36	93.00	7507.92	106.96 N	50.89W	0.74	89.28	118.45	@334.55
7541.00	2.46	20.32	31.00	7538.89	108.18 N	50.45W	0.32	90.58	119.37	@335.00
7572.00	2.99	24.45	31.00	7569.86	109.54 N	49.89W	1.82	92.04	120.37	@335.52
7604.00	2.99	23.49	32.00	7601.81	111.07 N	49.21W	0.16	93.69	121.48	@336.11
7664.00	2.20	40.54	60.00	7661.75	113.38 N	47.84W	1.83	96.29	123.06	@337.13
7725.00	2.20	47.39	61.00	7722.71	115.06 N	46.21W	0.43	98.34	124.00	@338.12
7787.00	2.81	43.88	62.00	7784.65	116.96 N	44.28W	1.01	100.69	125.07	@339.26
7849.00	2.64	35.35	62.00	7846.58	119.22 N	42.40W	0.71	103.38	126.54	@340.42
7911.00	2.20	15.67	62.00	7908.52	121.53 N	41.26W	1.51	105.91	128.35	@341.25
7975.00	2.20	359.93	64.00	7972.48	123.95 N	40.93W	0.94	108.32	130.53	@341.73
8006.00	1.76	1.34	31.00	8003.46	125.02 N	40.92W	1.43	109.36	131.54	@341.88
8068.00	2.11	47.13	62.00	8065.43	126.74 N	40.06W	2.48	111.25	132.92	@342.46
8129.00	3.08	49.06	61.00	8126.36	128.58 N	38.00W	1.60	113.58	134.08	@343.54
8191.00	2.37	35.62	62.00	8188.29	130.72 N	35.99W	1.53	116.17	135.58	@344.61
8254.00	1.06	48.19	63.00	8251.26	132.16 N	34.80W	2.15	117.89	136.67	@345.25
8317.00	1.06	52.05	63.00	8314.25	132.91 N	33.90W	0.11	118.85	137.17	@345.69
8380.00	1.41	96.70	63.00	8377.24	133.18 N	32.67W	1.58	119.44	137.13	@346.22
8441.00	2.64	83.43	61.00	8438.20	133.25 N	30.53W	2.14	120.09	136.70	@347.09

PathFinder Energy Services

Survey Report

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)	(ft)	DLS (dg/100ft)	Vertical Section (ft)	Closure Dist. (ft)	Dir. (deg.)
8503.00	2.64	79.65	62.00	8500.14	133.67 N	27.71W	0.28	121.25	136.51	@348.29
8564.00	2.73	79.03	61.00	8561.07	134.20 N	24.90W	0.16	122.52	136.49	@349.49
8626.00	2.64	79.47	62.00	8623.00	134.74 N	22.05W	0.15	123.81	136.53	@350.71
8688.00	2.81	87.30	62.00	8684.93	135.07 N	19.13W	0.66	124.92	136.42	@351.94
8751.00	3.78	90.55	63.00	8747.83	135.13 N	15.51W	1.57	125.94	136.01	@353.45
8814.00	3.96	82.99	63.00	8810.68	135.37 N	11.27W	0.86	127.32	135.84	@355.24
8874.00	4.66	68.49	60.00	8870.51	136.52 N	6.95W	2.15	129.59	136.70	@357.09
8936.00	5.98	60.75	62.00	8932.25	139.02 N	1.79W	2.42	133.39	139.03	@359.26
8998.00	5.10	49.50	62.00	8993.96	142.39 N	3.13 E	2.25	137.96	142.42	@ 1.26
9059.00	4.40	30.52	61.00	9054.75	146.17 N	6.38 E	2.80	142.47	146.31	@ 2.50
9121.00	4.40	27.53	62.00	9116.57	150.32 N	8.68 E	0.37	147.10	150.57	@ 3.31
9182.00	4.92	25.07	61.00	9177.37	154.77 N	10.87 E	0.91	151.97	155.15	@ 4.02
9244.00	3.96	26.04	62.00	9239.18	159.10 N	12.94 E	1.55	156.70	159.63	@ 4.65
9306.00	3.87	42.82	62.00	9301.04	162.56 N	15.30 E	1.85	160.67	163.28	@ 5.38
9369.00	3.96	43.79	63.00	9363.89	165.69 N	18.25 E	0.18	164.47	166.69	@ 6.29
9431.00	3.52	39.75	62.00	9425.76	168.70 N	20.95 E	0.83	168.10	169.99	@ 7.08
9493.00	3.61	35.18	62.00	9487.64	171.76 N	23.29 E	0.48	171.68	173.33	@ 7.72
9524.00	3.96	29.29	31.00	9518.57	173.49 N	24.38 E	1.69	173.64	175.19	@ 8.00
9556.00	4.57	32.28	32.00	9550.48	175.53 N	25.60 E	2.03	175.93	177.39	@ 8.30
9617.00	4.48	30.61	61.00	9611.29	179.63 N	28.11 E	0.26	180.56	181.82	@ 8.89
9678.00	4.40	28.23	61.00	9672.11	183.75 N	30.43 E	0.33	185.15	186.25	@ 9.40
9741.00	3.85	22.87	63.00	9734.95	187.82 N	32.40 E	1.07	189.60	190.60	@ 9.79
9804.00	2.90	23.49	63.00	9797.84	191.23 N	33.85 E	1.51	193.28	194.21	@ 10.04
9835.00	2.20	28.67	31.00	9828.80	192.48 N	34.45 E	2.38	194.64	195.53	@ 10.15
9865.00	2.46	27.44	30.00	9858.78	193.55 N	35.02 E	0.88	195.83	196.70	@ 10.26
9896.00	3.34	23.66	31.00	9889.74	194.97 N	35.69 E	2.90	197.37	198.21	@ 10.37
9927.00	2.90	30.08	31.00	9920.69	196.48 N	36.45 E	1.81	199.03	199.83	@ 10.51
9959.00	2.02	24.02	32.00	9952.67	197.69 N	37.08 E	2.86	200.37	201.14	@ 10.62
9991.00	1.85	21.47	32.00	9984.65	198.69 N	37.50 E	0.60	201.44	202.20	@ 10.69
10022.00	2.20	31.57	31.00	10015.63	199.66 N	38.00 E	1.61	202.51	203.24	@ 10.78
10054.00	2.99	37.90	32.00	10047.59	200.84 N	38.83 E	2.62	203.87	204.56	@ 10.94
10086.00	3.08	38.60	32.00	10079.55	202.17 N	39.88 E	0.30	205.44	206.07	@ 11.16
10117.00	2.99	31.22	31.00	10110.51	203.51 N	40.82 E	1.29	206.98	207.57	@ 11.34
10147.00	2.64	35.27	30.00	10140.47	204.75 N	41.62 E	1.34	208.39	208.94	@ 11.49
10179.00	2.81	33.33	32.00	10172.43	206.00 N	42.48 E	0.60	209.83	210.34	@ 11.65
10210.00	3.25	52.14	31.00	10203.39	207.18 N	43.59 E	3.49	211.26	211.71	@ 11.88
10240.00	2.81	48.36	30.00	10233.35	208.19 N	44.81 E	1.61	212.56	212.96	@ 12.15
10272.00	2.73	30.69	32.00	10265.31	209.37 N	45.79 E	2.67	213.96	214.31	@ 12.34
10303.00	2.55	6.26	31.00	10296.28	210.69 N	46.24 E	3.65	215.35	215.70	@ 12.38
10334.00	2.64	3.36	31.00	10327.25	212.08 N	46.36 E	0.51	216.73	217.09	@ 12.33
10366.00	2.55	15.58	32.00	10359.21	213.51 N	46.59 E	1.75	218.16	218.53	@ 12.31
10397.00	2.47	18.48	31.00	10390.19	214.80 N	46.99 E	0.48	219.52	219.88	@ 12.34

PathFinder Energy Services

Survey Report

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	TOTAL Rectangular Offsets (ft)	(ft)	DLS (dg/100ft)	Vertical Section (ft)	Closure Dist. (ft)	Dir. (deg.)
10428.00	2.90	31.84	31.00	10421.15	216.10 N	47.61 E	2.44	220.94	221.29	@ 12.43
10460.00	2.37	25.86	32.00	10453.12	217.39 N	48.33 E	1.86	222.37	222.69	@ 12.53
10492.00	2.37	18.21	32.00	10485.09	218.61 N	48.83 E	0.99	223.68	224.00	@ 12.59
10523.00	2.73	32.63	31.00	10516.06	219.84 N	49.42 E	2.36	225.03	225.33	@ 12.67
10553.00	2.55	34.56	30.00	10546.03	220.99 N	50.19 E	0.67	226.34	226.62	@ 12.79
10588.00	3.25	50.56	35.00	10580.98	222.26 N	51.40 E	3.04	227.89	228.13	@ 13.02
10618.00	2.81	54.60	30.00	10610.94	223.23 N	52.65 E	1.63	229.16	229.35	@ 13.27
10650.00	2.73	50.82	32.00	10642.90	224.17 N	53.88 E	0.62	230.39	230.55	@ 13.52
10681.00	2.37	46.25	31.00	10673.87	225.08 N	54.92 E	1.33	231.55	231.68	@ 13.71
10712.00	2.11	40.45	31.00	10704.85	225.95 N	55.75 E	1.11	232.62	232.73	@ 13.86
10743.00	1.85	41.33	31.00	10735.83	226.76 N	56.45 E	0.84	233.59	233.68	@ 13.98
10806.00	1.85	39.75	63.00	10798.80	228.31 N	57.77 E	0.08	235.43	235.50	@ 14.20
10868.00	1.67	35.35	62.00	10860.77	229.81 N	58.94 E	0.36	237.19	237.25	@ 14.38
10930.00	1.32	28.23	62.00	10922.75	231.18 N	59.80 E	0.64	238.74	238.79	@ 14.50
10993.00	1.14	23.66	63.00	10985.73	232.39 N	60.39 E	0.33	240.07	240.11	@ 14.57
11056.00	0.97	1.34	63.00	11048.72	233.50 N	60.65 E	0.70	241.21	241.25	@ 14.56
11118.00	0.35	219.92	62.00	11110.72	233.88 N	60.55 E	2.04	241.54	241.59	@ 14.51
11179.00	0.09	189.51	61.00	11171.72	233.69 N	60.42 E	0.45	241.33	241.37	@ 14.50
11240.00	0.44	237.85	61.00	11232.72	233.52 N	60.21 E	0.63	241.10	241.16	@ 14.46
11303.00	0.62	230.03	63.00	11295.71	233.17 N	59.75 E	0.31	240.64	240.70	@ 14.37
11366.00	0.79	238.38	63.00	11358.71	232.72 N	59.11 E	0.31	240.04	240.11	@ 14.25
11429.00	0.88	247.08	63.00	11421.70	232.31 N	58.30 E	0.25	239.42	239.51	@ 14.09
11490.00	0.97	250.51	61.00	11482.69	231.95 N	57.38 E	0.17	238.83	238.95	@ 13.89
11552.00	1.14	270.99	62.00	11544.68	231.79 N	56.27 E	0.66	238.38	238.52	@ 13.65
11614.00	1.67	263.96	62.00	11606.67	231.70 N	54.75 E	0.90	237.89	238.09	@ 13.30
11678.00	1.58	261.58	64.00	11670.64	231.48 N	52.95 E	0.18	237.18	237.46	@ 12.89
11740.00	1.58	252.71	62.00	11732.62	231.10 N	51.29 E	0.39	236.37	236.72	@ 12.51
Projection To TD										
11800.00	1.58	252.71	60.00	11792.59	230.61 N	49.71 E	0.00	235.47	235.90	@ 12.17

Scientific Drilling

MARBOB ENERGY

Field: Hackberry, E
Site: Eddy County, NM
Well: Oxy DOC Slawin Fed. #1
Wellpath: VH - Job #32K0404234
Survey: 04/07/04

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

.....Company Representative

Notorized this date 6th of May, 2004.

Notary Signature
County of Midland
State of Texas

DEBORAH S BYNUM
Notary Public, State of Texas
My Commission Expires
05-09-2004

Scientific Drilling

Scientific Drilling
Survey Report

Company:	MARBOB ENERGY	**Date:** 5/6/2004	**Time:** 11:53:47	**Page:**	1
Field:	Hackberry, E	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Oxy DOC Slawin Fed. #1	**Section (VS) Reference:**	Well (0.00N,0.00E,15.64Azi)		
Wellpath:	VH - Job #32K0404234	**Survey Calculation Method:**	Minimum Curvature	**Db:**	Sybase

Survey:	04/07/04 KSRG 0'-7100'	**Start Date:**	4/7/2004
Company:	Scientific Drilling	**Engineer:**	Gonzales/P&M
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	359.76	0.0	0.0	0.0	0.0	0.00	0.0	0.00
100.0	0.09	139.68	100.0	0.0	-0.1	0.1	0.09	0.1	139.68
200.0	0.17	186.70	200.0	-0.2	-0.3	0.1	0.13	0.3	162.48
300.0	0.19	183.49	300.0	-0.5	-0.6	0.1	0.02	0.6	174.39
400.0	0.76	136.54	400.0	-1.0	-1.2	0.5	0.65	1.3	157.71
500.0	0.78	140.93	500.0	-1.8	-2.2	1.4	0.06	2.6	148.17
600.0	0.78	128.19	600.0	-2.4	-3.2	2.4	0.17	4.0	143.56
700.0	0.65	126.90	700.0	-2.9	-3.9	3.3	0.13	5.2	139.76
800.0	0.82	117.48	800.0	-3.3	-4.6	4.4	0.21	6.4	136.20
900.0	0.86	116.07	900.0	-3.5	-5.3	5.7	0.05	7.8	132.61
1000.0	0.78	108.93	999.9	-3.7	-5.8	7.1	0.13	9.2	129.56
1100.0	0.77	102.16	1099.9	-3.7	-6.2	8.4	0.09	10.4	126.53
1200.0	0.69	103.14	1199.9	-3.6	-6.5	9.6	0.08	11.6	123.98
1300.0	0.80	80.03	1299.9	-3.3	-6.5	10.9	0.32	12.7	120.81
1400.0	0.99	66.55	1399.9	-2.5	-6.0	12.4	0.28	13.7	115.98
1500.0	1.26	60.01	1499.9	-1.1	-5.1	14.1	0.30	15.0	109.99
1600.0	1.31	58.28	1599.9	0.5	-4.0	16.0	0.06	16.5	103.94
1700.0	1.12	47.33	1699.8	2.2	-2.7	17.7	0.30	17.9	98.71
1800.0	0.86	35.77	1799.8	3.7	-1.4	18.9	0.33	18.9	94.37
1900.0	0.92	26.04	1899.8	5.2	-0.1	19.7	0.16	19.7	90.33
2000.0	0.84	11.06	1999.8	6.7	1.3	20.2	0.24	20.2	86.23
2100.0	0.84	353.90	2099.8	8.1	2.8	20.2	0.25	20.4	82.18
2200.0	1.01	344.32	2199.8	9.6	4.4	19.9	0.23	20.4	77.66
2300.0	1.03	350.17	2299.8	11.1	6.1	19.5	0.11	20.4	72.67
2400.0	0.99	335.25	2399.7	12.6	7.8	19.0	0.27	20.5	67.78
2500.0	1.20	330.67	2499.7	14.0	9.5	18.1	0.23	20.4	62.44
2600.0	1.19	333.77	2599.7	15.5	11.3	17.1	0.07	20.5	56.62
2700.0	1.18	325.19	2699.7	16.9	13.1	16.1	0.18	20.7	50.92
2800.0	1.21	313.53	2799.7	18.1	14.6	14.7	0.24	20.8	45.19
2900.0	1.18	317.24	2899.6	19.1	16.1	13.3	0.08	20.9	39.47
3000.0	1.16	313.14	2999.6	20.1	17.6	11.8	0.09	21.2	33.97
3100.0	1.19	315.40	3099.6	21.1	19.0	10.4	0.06	21.7	28.63
3200.0	1.19	306.65	3199.6	22.0	20.4	8.8	0.18	22.2	23.40
3300.0	1.11	315.31	3299.6	22.8	21.7	7.3	0.19	22.9	18.62
3400.0	1.00	311.23	3399.5	23.7	22.9	6.0	0.13	23.7	14.57
3500.0	1.02	315.83	3499.5	24.5	24.2	4.7	0.08	24.6	10.98
3600.0	1.02	315.27	3599.5	25.4	25.4	3.4	0.01	25.7	7.71
3700.0	1.11	321.07	3699.5	26.4	26.8	2.2	0.14	26.9	4.71
3800.0	1.25	319.58	3799.5	27.6	28.4	0.9	0.14	28.4	1.80
3900.0	1.04	323.06	3899.4	28.7	30.0	-0.4	0.22	30.0	359.31
4000.0	1.12	314.11	3999.4	29.8	31.4	-1.6	0.19	31.4	357.06
4100.0	1.23	302.40	4099.4	30.5	32.6	-3.2	0.26	32.8	354.37
4200.0	1.16	296.73	4199.4	31.0	33.6	-5.0	0.14	34.0	351.50
4300.0	1.43	297.27	4299.4	31.5	34.7	-7.0	0.27	35.4	348.52
4400.0	1.36	298.28	4399.3	32.0	35.8	-9.2	0.07	37.0	345.60
4500.0	1.49	301.19	4499.3	32.6	37.0	-11.4	0.15	38.7	342.96
4600.0	1.52	302.09	4599.3	33.3	38.4	-13.6	0.04	40.8	340.52
4700.0	1.33	300.06	4699.2	34.0	39.7	-15.7	0.20	42.7	338.41
4800.0	1.44	304.50	4799.2	34.7	41.0	-17.8	0.15	44.7	336.58

Scientific Drilling

Scientific Drilling
Survey Report

Company:	MARBOB ENERGY	**Date:** 5/6/2004	**Time:** 11:53:47	**Page:**	2
Field:	Hackberry, E	**Co-ordinate(NE) Reference:**	Site: Eddy County, NM, Grid North		
Site:	Eddy County, NM	**Vertical (TVD) Reference:**	SITE 0.0		
Well:	Oxy DOC Slawin Fed. #1	**Section (VS) Reference:**	Well (0.00N,0.00E,15.64Azi)		
Wellpath:	VH - Job #32K0404234	**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	1.49	308.18	4899.2	35.6	42.5	-19.8	0.11	46.9	335.01
5000.0	1.46	310.07	4999.1	36.6	44.1	-21.8	0.06	49.2	333.70
5100.0	1.41	308.35	5099.1	37.6	45.7	-23.7	0.07	51.5	332.55
5200.0	1.42	309.75	5199.1	38.6	47.3	-25.7	0.04	53.8	331.50
5300.0	1.51	307.37	5299.0	39.6	48.9	-27.7	0.11	56.2	330.48
5400.0	1.44	311.39	5399.0	40.6	50.5	-29.7	0.12	58.6	329.58
5500.0	1.44	309.11	5499.0	41.7	52.1	-31.6	0.06	60.9	328.79
5600.0	1.48	310.46	5598.9	42.7	53.8	-33.5	0.05	63.4	328.04
5700.0	1.57	308.52	5698.9	43.8	55.4	-35.6	0.10	65.9	327.31
5800.0	1.56	313.07	5798.9	45.0	57.2	-37.7	0.12	68.5	326.66
5900.0	1.49	313.12	5898.8	46.2	59.0	-39.6	0.07	71.1	326.15
6000.0	1.31	321.34	5998.8	47.5	60.8	-41.3	0.27	73.5	325.85
6100.0	1.49	322.24	6098.8	48.9	62.7	-42.8	0.18	75.9	325.72
6200.0	1.44	328.78	6198.7	50.5	64.8	-44.2	0.17	78.5	325.71
6300.0	1.49	331.03	6298.7	52.3	67.1	-45.5	0.08	81.0	325.85
6400.0	1.32	336.91	6398.7	54.1	69.3	-46.6	0.22	83.5	326.08
6500.0	1.56	340.41	6498.7	56.1	71.6	-47.5	0.26	85.9	326.45
6600.0	1.47	350.37	6598.6	58.4	74.1	-48.2	0.28	88.4	327.00
6700.0	1.44	354.23	6698.6	60.7	76.7	-48.5	0.10	90.7	327.68
6800.0	1.59	349.80	6798.6	63.2	79.3	-48.9	0.19	93.1	328.35
6900.0	1.91	341.22	6898.5	65.8	82.2	-49.7	0.41	96.1	328.87
7000.0	2.45	338.66	6998.4	68.9	85.8	-51.0	0.55	99.8	329.29
7100.0	2.98	336.73	7098.3	72.6	90.2	-52.8	0.54	104.5	329.66

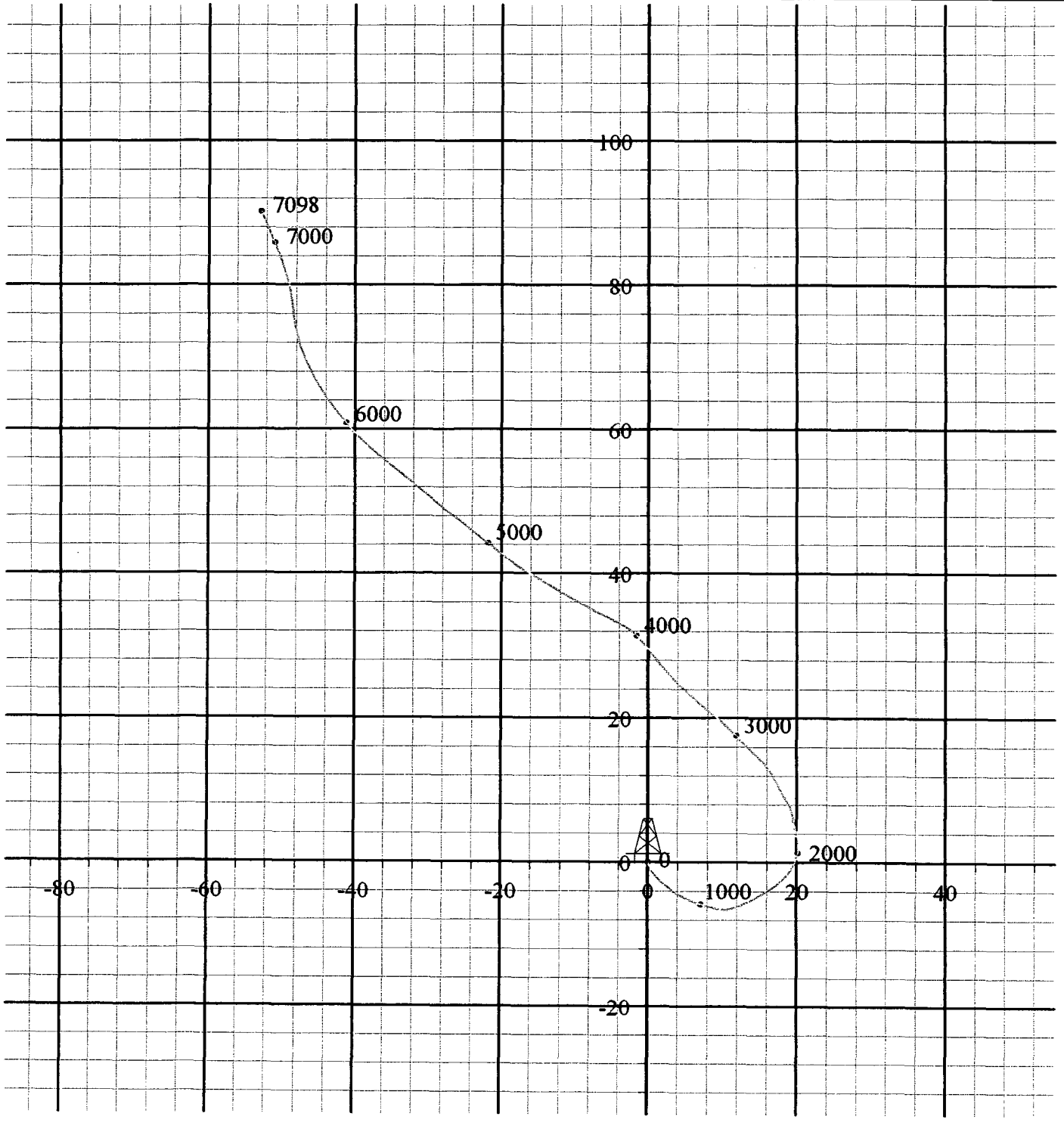
Scientific Drilling

Field: Hackberry, E
Site: Eddy County, NM
Well: Oxy DOC Slawin Fed. #1
Wellpath: VH - Job #32K0404234
Survey: 04/07/04

GTM

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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 5/6/2004
Model: igrf2000



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

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