

Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505	Form C-105 Revised June 10, 2003 WELL API NO. 30-015-33371 5. Indicate Type of Lease STATE ☒ FEE ☐ State Oil & Gas Lease No. VA2964																																																								
WELL COMPLETION OR RECOMPLETION REPORT AND LOG																																																										
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐ b. Type of Completion: NEW ☒ WORK ☐ DEEPEN ☐ PLUG ☐ DIFF. WELL OVER BACK RESVR. ☐ OTHER ☐		7. Lease Name or Unit Agreement Name RECEIVED WILLOW STATE JUN 16 2004																																																								
2. Name of Operator MARBOB ENERGY CORPORATION		8. Well No. 3																																																								
3. Address of Operator PO BOX 227, ARTESIA, NM 88211-0227		9. Pool name or Wildcat WILLOW LAKE; DELAWARE, SW																																																								
4. Well Location Unit Letter J : 2570 Feet From The SOUTH Line and 1650 Feet From The EAST Line Section 3 Township 25S Range 28E NMPM EDDY County																																																										
10. Date Spudded 4/27/04	11. Date T.D. Reached 5/17/04	12. Date Compl. (Ready to Prod.) 6/9/04																																																								
13. Elevations (DF& RKB, RT, GR, etc.) 2995' GL		14. Elev. Casinghead																																																								
15. Total Depth 7030'	16. Plug Back T.D. 7007'	17. If Multiple Compl. How Many Zones? 																																																								
18. Intervals Drilled By 0 - 7030'		19. Producing Interval(s), of this completion - Top, Bottom, Name 5200' - 6996' DELAWARE																																																								
20. Was Directional Survey Made YES		21. Type Electric and Other Logs Run DLL, CSNG																																																								
22. Was Well Cored NO		23. CASING RECORD (Report all strings set in well)																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>CASING SIZE</th> <th>WEIGHT LB./FT.</th> <th>DEPTH SET</th> <th>HOLE SIZE</th> <th>CEMENTING RECORD</th> <th>AMOUNT PULLED</th> </tr> <tr> <td>9 5/8"</td> <td>36#</td> <td>825'</td> <td>12 1/4"</td> <td>550 SX, CIRC</td> <td>NONE</td> </tr> <tr> <td>5 1/2"</td> <td>17#</td> <td>7030'</td> <td>7 7/8"</td> <td>2150 SX, CIRC</td> <td>NONE</td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>	CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	9 5/8"	36#	825'	12 1/4"	550 SX, CIRC	NONE	5 1/2"	17#	7030'	7 7/8"	2150 SX, CIRC	NONE																			<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>SIZE</th> <th>TOP</th> <th>BOTTOM</th> <th>SACKS CEMENT</th> <th>SCREEN</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table>		SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN															
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26. Perforation record (interval, size, and number) 4 JET SHOTS @ EACH OF THE FOLLOWING DEPTHS: 5200', 5500', 5750', 6000', 6250', 6500', 6748', 6996'		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>DEPTH INTERVAL</th> <th>AMOUNT AND KIND MATERIAL USED</th> </tr> <tr> <td>5200' - 6996'</td> <td>FRAC @ 6996' W/ 192 SX, 6748'</td> </tr> <tr> <td> </td> <td>W/ 173 SX, 6500' W/ 202 SX, 6250'</td> </tr> <tr> <td> </td> <td>W/ 241 SX, 6000' W/ 208 SX, 5750'</td> </tr> <tr> <td> </td> <td>W/ 201 SX, 5500' W/ 212 SX, 5200'</td> </tr> </table>		DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	5200' - 6996'	FRAC @ 6996' W/ 192 SX, 6748'		W/ 173 SX, 6500' W/ 202 SX, 6250'		W/ 241 SX, 6000' W/ 208 SX, 5750'		W/ 201 SX, 5500' W/ 212 SX, 5200'																																													
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28. PRODUCTION																																																										
Date First Production 6/11/04		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING																																																								
Well Status (Prod. or Shut-in) W/ 201 SX		PROD																																																								
Date of Test 6/13/04	Hours Tested 24	Choke Size 	Prod'n For Test Period 																																																							
Oil - Bbl 344	Gas - MCF 68	Water - Bbl. 115	Gas - Oil Ratio																																																							
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl. 																																																							
Gas - MCF 		Water - Bbl. 	Oil Gravity - API - (Corr.)																																																							
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD			Test Witnessed By LENDELL HAWKINS																																																							
30. List Attachments LOGS, DEVIATION SURVEY, DIRECTIONAL SURVEY, GYROSCOPIC SURVEY																																																										
31. I hereby certify that the information shown on both sides of this form as true and complete to the best of my knowledge and belief																																																										
Signature		Printed Name DIANA J. CANNON Title PRODUCTION ANALYST Date 6/15/04																																																								
E-mail Address PRODUCTION@MARBOB.COM																																																										

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico			Northwestern New Mexico	
T. Anhy	T. Canyon		T. Ojo Alamo	T. Penn. "B"
T. Salt 922'	T. Strawn		T. Kirtland-Fruitland	T. Penn. "C"
B. Salt 2384'	T. Atoka		T. Pictured Cliffs	T. Penn. "D"
T. Yates	T. Miss		T. Cliff House	T. Leadville
T. 7 Rivers	T. Devonian		T. Menefee	T. Madison
T. Queen	T. Silurian		T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya		T. Mancos	T. McCracken
T. San Andres	T. Simpson		T. Gallup	T. Ignacio Otzte
T. Glorieta	T. McKee		Base Greenhorn	T. Granite
T. Paddock	T. Ellenburger		T. Dakota	T.
T. Blinebry	T. Gr. Wash		T. Morrison	T.
T. Tubb	T. Delaware Sand 2527'		T. Todilto	T.
T. Drinkard	T. Bone Springs		T. Entrada	T.
T. Abo	T. RUSTLER 323'		T. Wingate	T.
T. Wolfcamp	T.		T. Chinle	T.
T. Penn	T.		T. Permian	T.
T. Cisco (Bough C)	T.		T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 3, from.....to.....

No. 4, from.....to.....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.....

No. 2, from.....to.....feet.....

No. 3, from.....to.....feet.....

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness In Feet	Lithology

L & M DRILLING, INC.

OIL WELL DRILLING CONTRACTORS
PO BOX 1370 ARTESIA, NEW MEXICO 88211-1370
(505) 746-4405 746-3518 748-2205

May 24, 2004

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

RE: Willow State #3
2570' FSL & 1650' FEL
Sec. 3, T25S, R28E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION	DEPTH	DEVIATION	DEPTH	DEVIATION
500'	3°	937'	1 1/4°	1805'	1 1/2°
617'	1°	1184'	3/4°	2126'	4 1/4°
647'	1 1/2°	1431'	1°	2210'	5°
804'	2 1/4°	1556'	1/4°	2314'	5 3/4°
set plug and drilled out					
1813'	1°	2253'	1 3/4°	3034'	1°
1940'	2 1/2°	2317'	3/4°	3504'	1/4°
2003'	2 1/4°	2379'	1 1/2°	4004'	3/4°
2066'	1 3/4°	2441'	3/4°	4494'	1/4°
2126'	2°	2535'	1/4°	4998'	1 1/4°
2189'	1 1/4°				

set plugs & then directional drilled
additional surveys supplied by DD operator

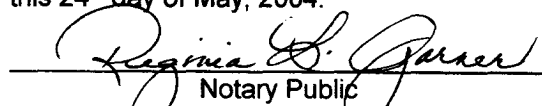
Very truly yours,

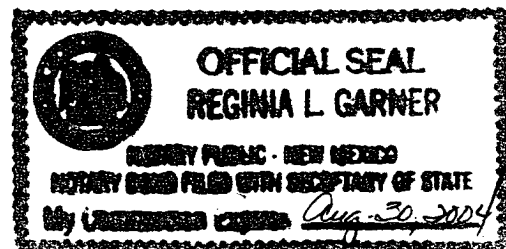


Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 24th day of May, 2004.


Notary Public



PathFinder Energy Services

Survey Report

Page 1
Job No: J-WT-0405-0047
Date: 5/18/2004
Time: 6:52 am
Wellpath ID: willow
Date Created: 5/10/2004
Last Revision: 5/17/2004

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 357.59 deg.

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

Marbob Energy
Willow State #3
L&M #1
Eddy Co. NM

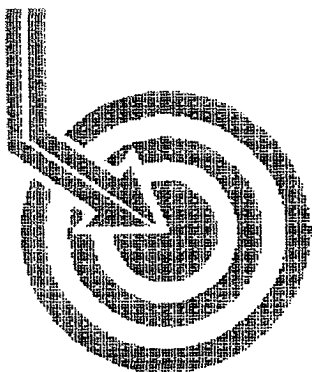
Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft) (ft)		DLS (dg/100ft)	Build Rate (dg/100ft)	Walk Rate (dg/100ft)
Tie into SDI Gyro										
4300.00	0.06	145.22	0.00	4299.42	-6.20	5.50 S	16.77 E	0.00	0.00	0.00
4388.00	2.46	351.82	88.00	4387.39	-4.36	3.67 S	16.53 E	2.86	2.73	-174.32
4418.00	5.45	350.67	30.00	4417.32	-2.30	1.62 S	16.20 E	9.97	9.97	-3.83
4450.00	8.44	347.77	32.00	4449.08	1.52	2.17 N	15.46 E	9.40	9.34	-9.06
4481.00	11.70	345.40	31.00	4479.60	6.83	7.44 N	14.19 E	10.60	10.52	-7.65
4512.00	15.30	345.93	31.00	4509.74	13.91	14.45 N	12.40 E	11.62	11.61	1.71
4544.00	18.99	347.33	32.00	4540.31	23.18	23.63 N	10.23 E	11.60	11.53	4.37
4575.00	22.95	349.35	31.00	4569.25	34.12	34.49 N	8.01 E	12.98	12.77	6.52
4606.00	26.82	351.46	31.00	4597.37	47.06	47.35 N	5.85 E	12.81	12.48	6.81
4638.00	30.34	353.57	32.00	4625.47	62.31	62.53 N	3.87 E	11.44	11.00	6.59
4669.00	33.15	356.21	31.00	4651.83	78.60	78.77 N	2.43 E	10.11	9.06	8.52
4701.00	35.96	357.62	32.00	4678.18	96.74	96.89 N	1.47 E	9.13	8.78	4.41
4732.00	39.39	357.26	31.00	4702.71	115.69	115.82 N	0.62 E	11.09	11.06	-1.16
4762.00	43.44	356.03	30.00	4725.21	135.53	135.62 N	0.55W	13.77	13.50	-4.10
4793.00	48.19	355.59	31.00	4746.81	157.74	157.79 N	2.18W	15.36	15.32	-1.42
4825.00	52.58	356.91	32.00	4767.21	182.38	182.38 N	3.78W	14.08	13.72	4.13
4856.00	55.84	357.79	31.00	4785.33	207.52	207.49 N	4.94W	10.77	10.52	2.84
4887.00	58.65	358.49	31.00	4802.10	233.58	233.55 N	5.78W	9.26	9.06	2.26
4919.00	61.64	358.85	32.00	4818.03	261.33	261.29 N	6.43W	9.39	9.34	1.13
4950.00	64.89	359.02	31.00	4831.98	289.00	288.97 N	6.94W	10.50	10.48	0.55
4981.00	68.59	359.73	31.00	4844.22	317.47	317.44 N	7.25W	12.12	11.94	2.29
5011.00	71.58	1.48	30.00	4854.43	345.63	345.64 N	6.95W	11.38	9.97	5.83
5043.00	74.22	2.19	32.00	4863.84	376.13	376.21 N	5.97W	8.52	8.25	2.22
5074.00	77.03	2.45	31.00	4871.54	406.05	406.21 N	4.75W	9.10	9.06	0.84
5105.00	80.99	2.71	31.00	4877.45	436.36	436.60 N	3.38W	12.80	12.77	0.84
5133.00	85.03	2.27	28.00	4880.85	464.04	464.36 N	2.17W	14.51	14.43	-1.57
5164.00	87.93	2.80	31.00	4882.76	494.87	495.27 N	0.81W	9.51	9.35	1.71
5194.00	87.67	2.98	30.00	4883.91	524.72	525.21 N	0.71 E	1.05	-0.87	0.60
5225.00	87.49	2.80	31.00	4885.22	555.56	556.14 N	2.27 E	0.82	-0.58	-0.58
5257.00	88.64	3.24	32.00	4886.30	587.39	588.08 N	3.95 E	3.85	3.59	1.38
5288.00	88.81	3.33	31.00	4886.99	618.23	619.02 N	5.73 E	0.62	0.55	0.29
5320.00	88.64	3.59	32.00	4887.70	650.06	650.96 N	7.66 E	0.97	-0.53	0.81
5352.00	88.46	3.59	32.00	4888.51	681.87	682.88 N	9.66 E	0.56	-0.56	0.00
5383.00	88.81	3.15	31.00	4889.25	712.71	713.82 N	11.48 E	1.81	1.13	-1.42
5414.00	88.90	2.63	31.00	4889.87	743.57	744.77 N	13.05 E	1.70	0.29	-1.68

PathFinder Energy Services

Survey Report

Page 2
Date: 5/18/2004
Wellpath ID: willow

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L		DLS (dg/100ft)	Build Rate (dg/100ft)	Walk Rate (dg/100ft)
						Rectangular (ft)	Offsets (ft)			
5445.00	88.64	2.71	31.00	4890.53	774.44	775.73 N	14.49 E	0.88	-0.84	0.26
5475.00	88.90	2.10	30.00	4891.18	804.33	805.70 N	15.75 E	2.21	0.87	-2.03
5506.00	88.81	1.22	31.00	4891.80	835.24	836.68 N	16.65 E	2.85	-0.29	-2.84
5536.00	88.64	1.39	30.00	4892.46	865.17	866.67 N	17.33 E	0.80	-0.57	0.57
5566.00	88.81	0.17	30.00	4893.13	895.12	896.65 N	17.74 E	4.10	0.57	-4.07
5597.00	88.46	359.29	31.00	4893.87	926.08	927.65 N	17.59 E	3.05	-1.13	-2.84
5659.00	88.64	358.23	62.00	4895.44	988.05	989.61 N	16.25 E	1.73	0.29	-1.71
5690.00	88.46	358.05	31.00	4896.22	1019.04	1020.58 N	15.24 E	0.82	-0.58	-0.58
5721.00	88.37	358.14	31.00	4897.08	1050.03	1051.55 N	14.21 E	0.41	-0.29	0.29
5753.00	88.46	357.79	32.00	4897.97	1082.01	1083.52 N	13.08 E	1.13	0.28	-1.09
5785.00	88.02	357.62	32.00	4898.95	1114.00	1115.48 N	11.80 E	1.47	-1.38	-0.53
5816.00	87.93	357.26	31.00	4900.04	1144.98	1146.43 N	10.41 E	1.20	-0.29	-1.16
5847.00	88.20	356.30	31.00	4901.09	1175.96	1177.36 N	8.67 E	3.22	0.87	-3.10
5878.00	88.46	354.98	31.00	4901.99	1206.93	1208.26 N	6.32 E	4.34	0.84	-4.26
5910.00	88.99	354.01	32.00	4902.71	1238.87	1240.10 N	3.25 E	3.45	1.66	-3.03
5941.00	90.66	352.96	31.00	4902.80	1269.79	1270.90 N	0.27W	6.36	5.39	-3.39
5972.00	90.31	352.61	31.00	4902.54	1300.68	1301.66 N	4.16W	1.60	-1.13	-1.13
6004.00	89.96	351.55	32.00	4902.46	1332.53	1333.35 N	8.57W	3.49	-1.09	-3.31
6033.00	89.78	351.38	29.00	4902.53	1361.37	1362.03 N	12.87W	0.85	-0.62	-0.59
6094.00	89.60	350.76	61.00	4902.86	1421.97	1422.29 N	22.34W	1.06	-0.30	-1.02
6157.00	89.43	350.41	63.00	4903.39	1484.50	1484.44 N	32.65W	0.62	-0.27	-0.56
6220.00	89.34	350.14	63.00	4904.07	1546.98	1546.53 N	43.29W	0.45	-0.14	-0.43
6282.00	89.52	350.14	62.00	4904.69	1608.45	1607.61 N	53.91W	0.29	0.29	0.00
6343.00	90.22	350.94	61.00	4904.82	1668.99	1667.78 N	63.93W	1.74	1.15	1.31
6407.00	90.13	351.46	64.00	4904.63	1732.59	1731.02 N	73.72W	0.82	-0.14	0.81
6470.00	90.13	351.11	63.00	4904.49	1795.21	1793.30 N	83.27W	0.56	0.00	-0.56
6533.00	89.96	351.46	63.00	4904.44	1857.83	1855.57 N	92.81W	0.62	-0.27	0.56
6596.00	89.43	350.85	63.00	4904.77	1920.43	1917.82 N	102.50W	1.28	-0.84	-0.97
6658.00	88.90	350.67	62.00	4905.68	1981.99	1979.01 N	112.46W	0.90	-0.85	-0.29
6720.00	88.55	350.67	62.00	4907.05	2043.52	2040.17 N	122.50W	0.56	-0.56	0.00
6783.00	89.34	352.61	63.00	4908.21	2106.17	2102.49 N	131.66W	3.32	1.25	3.08
6845.00	89.34	354.45	62.00	4908.93	2168.00	2164.09 N	138.65W	2.97	0.00	2.97
6908.00	89.16	354.36	63.00	4909.75	2230.90	2226.78 N	144.79W	0.32	-0.29	-0.14
6974.00	88.46	354.19	66.00	4911.12	2296.78	2292.44 N	151.37W	1.09	-1.06	-0.26
Projection to TD										
7030.00	88.46	354.19	56.00	4912.63	2352.66	2348.13 N	157.04W	0.00	0.00	0.00

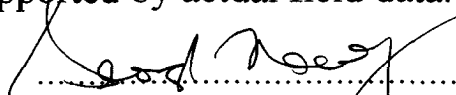


Scientific Drilling

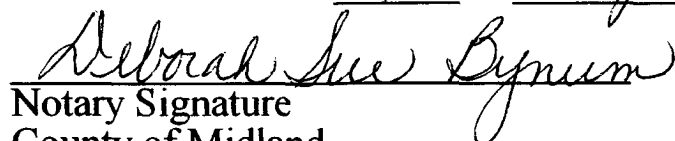
MARBOB ENERGY

Field: Willow, SW
Site: Eddy County, NM
Well: Willow State #3
Wellpath: VH - Job #32K0504288
Survey: 05/08/04

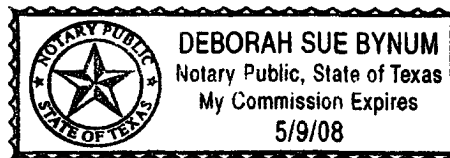
This survey is correct to the best of my knowledge
and is supported by actual field data.

.....Company Representative

Notorized this date 7th of June, 2004.



Notary Signature
County of Midland
State of Texas





Scientific
Drilling

Scientific Drilling Survey Report

Company: MARBOB ENERGY
Field: Willow, SW
Site: Eddy County, NM
Well: Willow State #3
Wellpath: VH - Job #32K0504288

Date: 6/7/2004 Time: 16:56:14 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,359.76Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 05/08/04 Start Date: 5/8/2004
Company: Scientific Drilling Engineer: Carter/Rowe
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	0.68	177.29	100.0	-0.6	-0.6	0.0	0.68	0.6	177.29
200.0	0.98	224.09	200.0	-1.8	-1.8	-0.5	0.71	1.9	196.62
300.0	0.40	252.09	300.0	-2.5	-2.5	-1.5	0.65	2.9	210.15
400.0	1.58	10.29	400.0	-1.3	-1.3	-1.5	1.81	2.0	230.74
500.0	2.23	5.48	499.9	2.0	2.0	-1.1	0.67	2.3	331.25
600.0	0.85	312.89	599.9	4.5	4.5	-1.5	1.84	4.7	341.78
700.0	1.13	209.82	699.9	4.1	4.1	-2.5	1.56	4.8	328.71
800.0	1.64	207.71	799.8	2.0	2.0	-3.7	0.51	4.2	298.65
900.0	1.06	218.69	899.8	0.0	0.0	-4.9	0.63	4.9	270.11
1000.0	0.97	217.89	999.8	-1.4	-1.4	-6.0	0.09	6.2	257.04
1100.0	0.88	220.59	1099.8	-2.6	-2.6	-7.0	0.10	7.5	249.45
1200.0	0.63	225.95	1199.8	-3.6	-3.6	-7.9	0.26	8.7	245.55
1300.0	0.65	218.11	1299.8	-4.4	-4.4	-8.7	0.09	9.7	242.92
1400.0	0.78	187.39	1399.8	-5.5	-5.6	-9.1	0.40	10.7	238.64
1500.0	0.29	200.42	1499.8	-6.4	-6.5	-9.3	0.50	11.3	235.16
1600.0	0.47	134.73	1599.8	-7.0	-7.0	-9.1	0.44	11.5	232.42
1700.0	0.95	112.06	1699.7	-7.6	-7.6	-8.0	0.55	11.0	226.59
1800.0	1.14	83.28	1799.7	-7.8	-7.8	-6.3	0.55	10.0	218.84
1900.0	1.91	75.04	1899.7	-7.2	-7.2	-3.7	0.80	8.1	206.92
2000.0	2.14	76.89	1999.6	-6.4	-6.4	-0.3	0.24	6.4	182.29
2100.0	1.71	79.75	2099.6	-5.7	-5.7	3.0	0.43	6.5	152.01
2200.0	1.65	85.10	2199.5	-5.3	-5.3	5.9	0.17	8.0	131.82
2300.0	1.52	92.72	2299.5	-5.3	-5.3	8.7	0.25	10.2	121.13
2400.0	1.40	90.17	2399.5	-5.4	-5.3	11.2	0.14	12.4	115.31
2500.0	0.76	94.65	2499.4	-5.4	-5.4	13.1	0.65	14.2	112.28
2600.0	0.46	78.17	2599.4	-5.4	-5.3	14.2	0.34	15.2	110.67
2700.0	0.41	80.10	2699.4	-5.3	-5.2	14.9	0.05	15.8	109.23
2800.0	0.21	63.36	2799.4	-5.1	-5.1	15.4	0.22	16.3	108.14
2900.0	0.40	81.44	2899.4	-5.0	-4.9	16.0	0.21	16.7	107.16
3000.0	0.45	67.89	2999.4	-4.8	-4.7	16.7	0.11	17.3	105.84
3100.0	0.30	80.99	3099.4	-4.6	-4.5	17.3	0.17	17.9	104.71
3200.0	0.28	89.12	3199.4	-4.6	-4.5	17.8	0.05	18.3	104.18
3300.0	0.15	87.49	3299.4	-4.6	-4.5	18.2	0.13	18.7	103.87
3400.0	0.11	102.56	3399.4	-4.6	-4.5	18.4	0.05	18.9	103.75
3500.0	0.21	71.79	3499.4	-4.5	-4.5	18.7	0.13	19.2	103.45
3600.0	0.15	265.16	3599.4	-4.5	-4.4	18.7	0.35	19.2	103.29
3700.0	0.22	291.44	3699.4	-4.4	-4.4	18.4	0.11	18.9	103.32
3800.0	0.16	206.79	3799.4	-4.5	-4.4	18.2	0.26	18.7	103.66
3900.0	0.16	177.11	3899.4	-4.8	-4.7	18.1	0.08	18.7	104.48
4000.0	0.17	217.13	3999.4	-5.0	-4.9	18.0	0.11	18.7	105.31
4100.0	0.30	246.17	4099.4	-5.2	-5.2	17.7	0.17	18.4	106.25
4200.0	0.44	251.94	4199.4	-5.5	-5.4	17.1	0.15	17.9	107.48
4300.0	0.06	145.36	4299.4	-5.6	-5.5	16.8	0.46	17.6	108.30
4400.0	0.28	208.03	4399.4	-5.9	-5.8	16.7	0.26	17.7	109.18
4500.0	0.13	196.08	4499.4	-6.2	-6.1	16.5	0.15	17.6	110.33
4600.0	0.56	243.68	4599.4	-6.5	-6.4	16.1	0.48	17.3	111.87
4700.0	0.60	244.50	4699.4	-7.0	-6.9	15.2	0.04	16.6	114.45
4800.0	0.85	250.72	4799.4	-7.4	-7.4	14.0	0.26	15.8	117.76



Scientific
Drilling

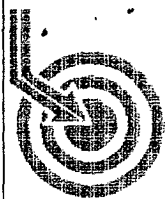
Scientific Drilling Survey Report

Company: MARBOB ENERGY
Field: Willow, SW
Site: Eddy County, NM
Well: Willow State #3
Wellpath: VH - Job #32K0504288

Date: 6/7/2004 Time: 16:56:14 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,359.76Azi)
Survey Calculation Method: Minimum Curvature Db: Sybase

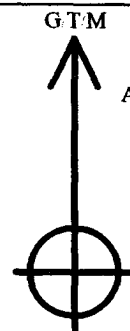
Survey

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	1.21	252.57	4899.4	-8.0	-7.9	12.3	0.36	14.6	122.82
5000.0	1.05	253.32	4999.4	-8.5	-8.5	10.4	0.16	13.4	129.27
5029.0	0.91	245.65	5028.4	-8.7	-8.7	9.9	0.66	13.2	131.13



**Scientific
Drilling**

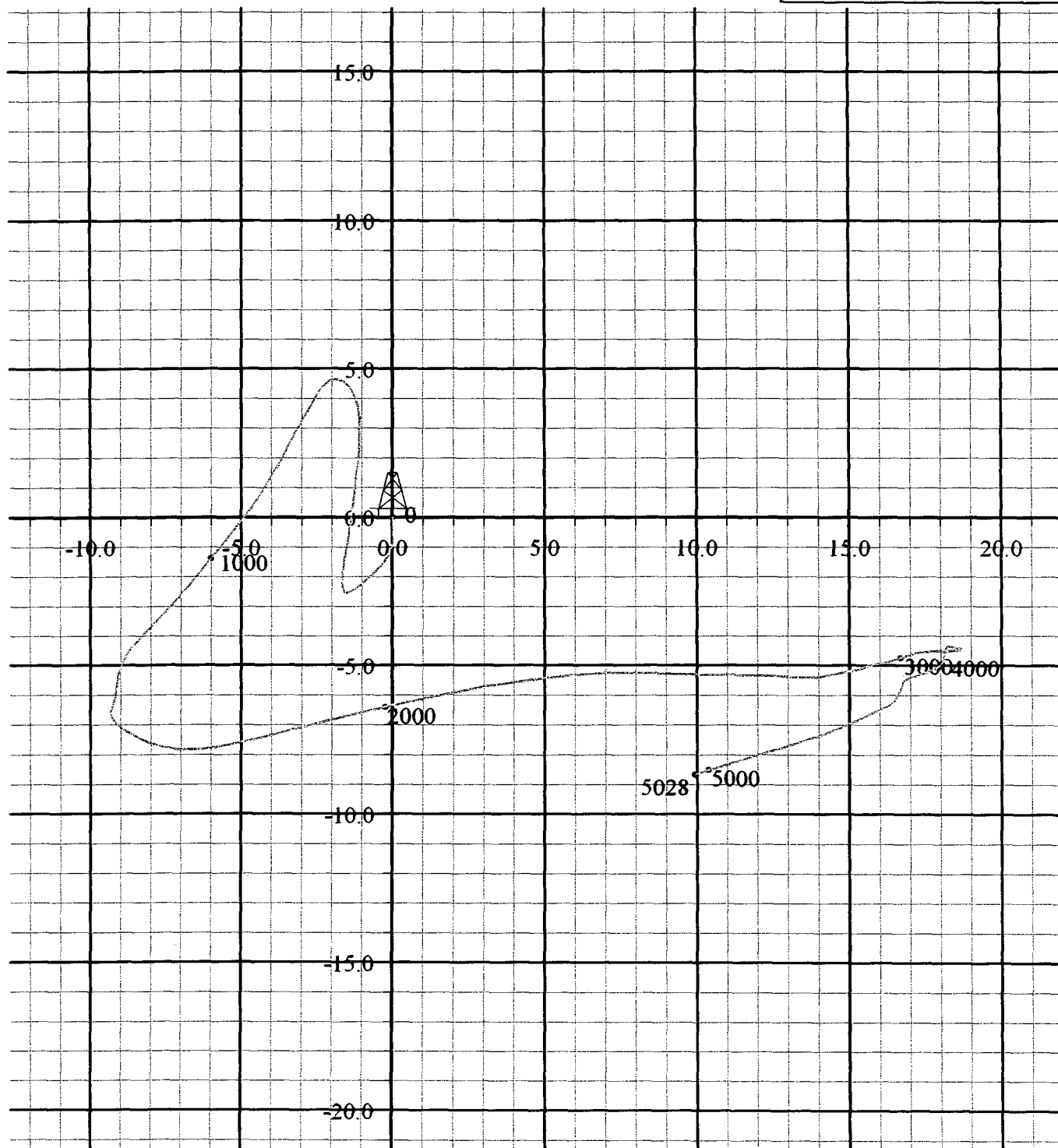
Field: Willow, SW
Site: Eddy County, NM
Well: Willow State #3
Wellpath: VH - Job #32K0504288
Survey: 05/08/04



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

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 6/7/2004
Model: igrt2000

South(-)/North(+) [5ft/in]



West(-)/East(+) [5ft/in]