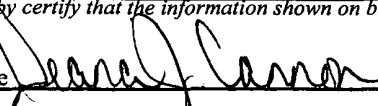


Submit To Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Rd., Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505	State of New Mexico 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. 30-015-33012 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 WILLOW STATE
2. Name of Operator MARBOB ENERGY CORPORATION		8. Well No. 1
3. Address of Operator PO BOX 227, ARTESIA, NM 88211-0227		9. Pool name or Wildcat WILLOW LAKE; DELAWARE, SW
4. Well Location OCD-ARTESIA Unit Letter <u>J</u> : <u>1980</u> Feet From The <u>SOUTH</u> Line and <u>2463</u> Feet From The <u>EAST</u> Line Section <u>3</u> Township <u>25S</u> Range <u>28E</u> NMPM <u>EDDY</u> County		
10. Date Spudded 11/28/03	11. Date T.D. Reached 12/16/03	12. Date Compl. (Ready to Prod.) 3/4/04
13. Elevations (DF& RKB, RT, GR, etc.) 2992' GL		14. Elev. Casinghead
15. Total Depth 6700'	16. Plug Back T.D. 6647'	17. If Multiple Compl. How Many Zones?
18. Intervals Drilled By 0 - 6700'		19. Producing Interval(s), of this completion - Top, Bottom, Name 5251' - 6640' 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)
CASING SIZE	WEIGHT LB./FT.	DEPTH SET
9 5/8"	36#	512'
5 1/2"	17#	6700'
24. LINER RECORD		25. TUBING RECORD
SIZE	TOP	BOTTOM
SACKS CEMENT		SCREEN
SIZE	DEPTH SET	PACKER SET
2 7/8"	4351'	
26. Perforation record (interval, size, and number) 4 SAND JETTED SHOTS @ EACH OF THE FOLLOWING DEPTHS: 5251', 5500', 5750' 5999', 6250', 6450', 6640' (28 SHOTS)		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 5251'-6640' FRAC @ 6640' W/ 164 SX, 6450' W/ 198 SX, 6250' W/ 212 SX, 5999' W/ 201 SX, 5750' W/ 256 SX, 5500' W/ 217 SX, 5250' W/ 277 SX
28. PRODUCTION		
Date First Production 3/7/04	Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING	Well Status (Prod. or Shut-in) PROD
Date of Test 3/10/04	Hours Tested 24	Choke Size
Prod'n For Test Period	Oil - Bbl 149	Gas - MCF VENTING
Water - Bbl. 209	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.) VENTED		Test Witnessed By TITO AGUIRRE
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	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
B. Salt	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	T. Todilto	T
T. Drinkard	T. Bone Springs	T. Entrada	T.
T. Abo	T. BELL CANYON 2560'	T. Wingate	T.
T. Wolfcamp	T. CHERRY CANYON 3473'	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. 1, from.....to.....

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

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

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

December 22, 2003

DEC 23 2003

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

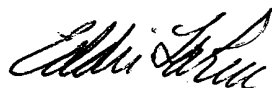
RE: Willow State #1
1980' FSL & 2463' FEL
Sec. 3, T25S, R28E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION	DEPTH	DEVIATION
574'	1°	2231'	3 1/2°
805'	2°	2418'	3°
1051'	1 3/4°	2667'	1 1/4°
1300'	1 1/4°	3167'	1°
1548'	1°	3667'	3/4°
1796'	1 1/2°	4167'	1°
2106'	2 1/2°	4664'	1 1/2°

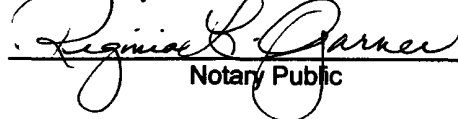
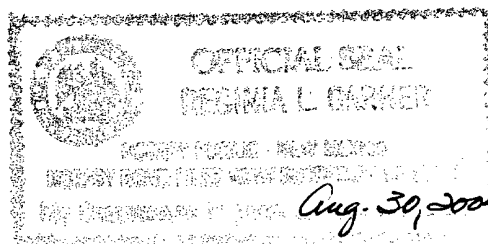
Very truly yours,



Eddie C. LaRue
Vice President

STATE OF NEW MEXICO }
COUNTY OF EDDY }

The foregoing was acknowledged before me
this 22nd day of December, 2003.


Notary Public

PathFinder

Survey Report - Geographic

Company: Marbob Energy		Date: 12/17/2003	Time: 08:48:40	Page: 1
Field: Willow Lake; Delaware, S.W.		Co-ordinate(NE) Reference: Site: Willow State #1H, Grid North		
Site: Willow State #1H		Vertical (TVD) Reference: SITE: 0.0		
Well: Willow State #1H		Section (VS) Reference: Well (0.00N,0.00E,90.00Azi)		
Wellpath: Willow State 1H Horizontal		Survey Calculation Method: Minimum Curvature		Db: Sybase

Field: Willow Lake; Delaware, S.W. Eddy County, New Mexico USA		Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)		Coordinate System: Site Centre	
Sys Datum: Mean Sea Level		Geomagnetic Model: igrf2000	

Site: Willow State #1H Sec. 3, T25S & R28E 1980' FSL & 2463' FEL			
Site Position:	Northing: 420990.70 ft	Latitude: 32 9 25.756 N	
From: Map	Easting: 580252.80 ft	Longitude: 104 4 26.422 W	
Position Uncertainty: 0.00 ft		North Reference: Grid	
Ground Level: 0.00 ft		Grid Convergence: 0.14 deg	

Well: Willow State #1H Original Hole		Slot Name:	
Well Position: +N/-S 0.00 ft	Northing: 420990.70 ft	Latitude: 32 9 25.756 N	
+E/-W 0.00 ft	Easting: 580252.80 ft	Longitude: 104 4 26.422 W	
Position Uncertainty: 0.00 ft			

Wellpath: Willow State 1H Horizontal Horizontal Well Path	Drilled From: Straight Hole
Current Datum: SITE	Tie-on Depth: 4386.00 ft
Magnetic Data: 12/8/2003	Above System Datum: Mean Sea Level
Field Strength: 49426 nT	Declination: 8.86 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 60.28 deg
ft	ft
0.00	0.00
	0.00
	90.00

Survey: PathFinder MWD Survey	Start Date: 12/11/2003
Company: PathFinder	Engineer: Robert Savage
Tool:	Tied-to: User Defined

Survey: PathFinder MWD Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude →			← Longitude →		
								Deg	Min	Sec	Deg	Min	Sec
4300.00	0.60	260.41	4298.60	-12.94	61.20	420977.76	580314.00	32	9	25.627 N	104	4	25.710 W
4362.00	2.11	141.87	4360.59	-13.89	61.58	420976.81	580314.38	32	9	25.617 N	104	4	25.706 W
4393.00	4.66	126.23	4391.53	-15.09	62.95	420975.61	580315.75	32	9	25.606 N	104	4	25.690 W
4423.00	7.83	120.34	4421.35	-16.84	65.70	420973.86	580318.50	32	9	25.588 N	104	4	25.658 W
4454.00	11.43	119.73	4451.91	-19.43	70.19	420971.27	580322.99	32	9	25.562 N	104	4	25.606 W
4485.00	15.04	121.22	4482.08	-23.04	76.30	420967.66	580329.10	32	9	25.527 N	104	4	25.535 W
4516.00	18.82	122.19	4511.73	-27.79	83.97	420962.91	580336.77	32	9	25.479 N	104	4	25.446 W
4547.00	22.69	120.69	4540.71	-33.51	93.35	420957.19	580346.15	32	9	25.423 N	104	4	25.337 W
4578.00	26.56	118.67	4568.89	-39.89	104.58	420950.81	580357.38	32	9	25.359 N	104	4	25.206 W
4608.00	30.16	117.00	4595.28	-46.53	117.18	420944.17	580369.98	32	9	25.293 N	104	4	25.060 W
4639.00	34.03	114.89	4621.54	-53.72	132.00	420936.98	580384.80	32	9	25.222 N	104	4	24.888 W
4670.00	37.81	112.17	4646.64	-60.96	148.67	420929.74	580401.47	32	9	25.150 N	104	4	24.694 W
4701.00	41.33	109.71	4670.54	-68.00	167.11	420922.70	580419.91	32	9	25.079 N	104	4	24.479 W
4732.00	44.67	106.10	4693.21	-74.47	187.23	420916.23	580440.03	32	9	25.015 N	104	4	24.246 W
4764.00	47.75	101.97	4715.36	-80.05	209.63	420910.65	580462.43	32	9	24.959 N	104	4	23.985 W
4795.00	50.65	97.93	4735.62	-84.09	232.74	420906.61	580485.54	32	9	24.919 N	104	4	23.717 W
4827.00	54.08	94.50	4755.16	-86.81	257.92	420903.89	580510.72	32	9	24.891 N	104	4	23.424 W
4858.00	56.01	93.01	4772.92	-88.47	283.27	420902.23	580536.07	32	9	24.874 N	104	4	23.129 W
4889.00	59.00	92.04	4789.57	-89.62	309.39	420901.08	580562.19	32	9	24.862 N	104	4	22.825 W
4920.00	63.31	90.55	4804.52	-90.23	336.53	420900.47	580589.33	32	9	24.855 N	104	4	22.509 W
4952.00	66.48	90.28	4818.10	-90.43	365.50	420900.27	580618.30	32	9	24.853 N	104	4	22.172 W
4983.00	68.32	90.11	4830.01	-90.53	394.12	420900.17	580646.92	32	9	24.851 N	104	4	21.839 W
5014.00	71.93	89.84	4840.55	-90.52	423.27	420900.18	580676.07	32	9	24.850 N	104	4	21.500 W

PathFinder

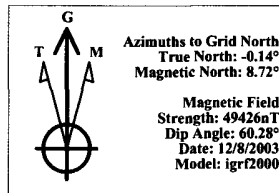
Survey Report - Geographic

Company: Marbob Energy Field: Willow Lake; Delaware, S.W. Site: Willow State #1H Well: Willow State #1H Wellpath: Willow State 1H Horizontal	Date: 12/17/2003 Co-ordinate(NE) Reference: Vertical (TVD) Reference: Section (VS) Reference: Survey Calculation Method:	Time: 08:48:40 Site: Willow State #1H, Grid North SITE 0.0 Well (0.00N,0.00E,90.00Azi) Minimum Curvature	Page: 2 Db: Sybase
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Survey: PathFinder MWD Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude → Deg Min Sec			← Longitude → Deg Min Sec		
5045.00	74.48	90.11	4849.50	-90.51	452.95	420900.19	580705.75	32	9	24.850 N	104	4	21.155 W
5076.00	75.36	89.76	4857.57	-90.47	482.88	420900.23	580735.68	32	9	24.849 N	104	4	20.807 W
5107.00	76.50	89.40	4865.11	-90.25	512.95	420900.45	580765.75	32	9	24.851 N	104	4	20.457 W
5138.00	77.47	88.79	4872.09	-89.77	543.15	420900.93	580795.95	32	9	24.855 N	104	4	20.106 W
5170.00	80.72	87.29	4878.14	-88.70	574.54	420902.00	580827.34	32	9	24.865 N	104	4	19.741 W
5211.00	84.94	86.15	4883.26	-86.37	615.15	420904.33	580867.95	32	9	24.887 N	104	4	19.268 W
5242.00	88.64	86.06	4884.99	-84.27	646.02	420906.43	580898.82	32	9	24.907 N	104	4	18.909 W
5274.00	90.13	85.89	4885.34	-82.02	677.94	420908.68	580930.74	32	9	24.928 N	104	4	18.538 W
5305.00	90.40	85.71	4885.19	-79.75	708.86	420910.95	580961.66	32	9	24.950 N	104	4	18.178 W
5336.00	90.48	85.98	4884.95	-77.50	739.77	420913.20	580992.57	32	9	24.972 N	104	4	17.818 W
5367.00	90.31	85.62	4884.74	-75.23	770.69	420915.47	581023.49	32	9	24.993 N	104	4	17.458 W
5398.00	89.78	84.66	4884.72	-72.61	801.58	420918.09	581054.38	32	9	25.019 N	104	4	17.099 W
5429.00	89.96	84.57	4884.79	-69.70	832.44	420921.00	581085.24	32	9	25.047 N	104	4	16.740 W
5461.00	90.40	84.75	4884.69	-66.72	864.30	420923.98	581117.10	32	9	25.075 N	104	4	16.369 W
5492.00	90.75	84.22	4884.38	-63.74	895.16	420926.96	581147.96	32	9	25.104 N	104	4	16.010 W
5523.00	90.92	84.13	4883.92	-60.59	925.99	420930.11	581178.79	32	9	25.134 N	104	4	15.651 W
5554.00	91.36	85.01	4883.31	-57.66	956.85	420933.04	581209.65	32	9	25.163 N	104	4	15.292 W
5585.00	91.45	84.83	4882.55	-54.92	987.72	420935.78	581240.52	32	9	25.189 N	104	4	14.933 W
5616.00	91.01	85.18	4881.88	-52.22	1018.59	420938.48	581271.39	32	9	25.215 N	104	4	14.574 W
5647.00	91.01	85.10	4881.34	-49.59	1049.47	420941.11	581302.27	32	9	25.240 N	104	4	14.215 W
5679.00	91.54	84.75	4880.62	-46.76	1081.34	420943.94	581334.14	32	9	25.268 N	104	4	13.844 W
5700.00	91.54	84.83	4880.06	-44.86	1102.25	420945.84	581355.05	32	9	25.286 N	104	4	13.601 W
5731.00	91.10	85.27	4879.34	-42.18	1133.12	420948.52	581385.92	32	9	25.312 N	104	4	13.241 W
5763.00	89.87	85.36	4879.07	-39.57	1165.01	420951.13	581417.81	32	9	25.337 N	104	4	12.870 W
5794.00	90.04	85.01	4879.10	-36.97	1195.90	420953.73	581448.70	32	9	25.362 N	104	4	12.511 W
5867.00	89.34	83.87	4879.49	-29.89	1268.56	420960.81	581521.36	32	9	25.430 N	104	4	11.665 W
5898.00	88.99	83.69	4879.94	-26.54	1299.37	420964.16	581552.17	32	9	25.463 N	104	4	11.307 W
5931.00	89.08	84.13	4880.50	-23.04	1332.18	420967.66	581584.98	32	9	25.496 N	104	4	10.925 W
5962.00	88.90	84.13	4881.05	-19.87	1363.01	420970.83	581615.81	32	9	25.527 N	104	4	10.566 W
5993.00	88.46	85.01	4881.76	-16.93	1393.87	420973.77	581646.67	32	9	25.555 N	104	4	10.207 W
6024.00	86.70	84.04	4883.07	-13.98	1424.70	420976.72	581677.50	32	9	25.584 N	104	4	9.849 W
6055.00	87.05	83.25	4884.76	-10.55	1455.46	420980.15	581708.26	32	9	25.617 N	104	4	9.491 W
6086.00	87.49	84.04	4886.24	-7.12	1486.23	420983.58	581739.03	32	9	25.650 N	104	4	9.133 W
6117.00	86.44	83.34	4887.88	-3.72	1517.00	420986.98	581769.80	32	9	25.683 N	104	4	8.775 W
6148.00	86.70	83.08	4889.73	-0.06	1547.73	420990.64	581800.53	32	9	25.718 N	104	4	8.417 W
6180.00	86.44	83.43	4891.65	3.69	1579.45	420994.39	581832.25	32	9	25.755 N	104	4	8.048 W
6210.00	85.74	83.08	4893.69	7.20	1609.17	420997.90	581861.97	32	9	25.789 N	104	4	7.702 W
6241.00	84.68	82.55	4896.28	11.07	1639.82	421001.77	581892.62	32	9	25.826 N	104	4	7.345 W
6272.00	84.33	82.20	4899.25	15.16	1670.41	421005.86	581923.21	32	9	25.866 N	104	4	6.990 W
6304.00	85.65	82.64	4902.04	19.37	1702.01	421010.07	581954.81	32	9	25.907 N	104	4	6.622 W
6336.00	86.17	82.99	4904.33	23.36	1733.67	421014.06	581986.47	32	9	25.946 N	104	4	6.253 W
6367.00	85.82	82.90	4906.49	27.16	1764.36	421017.86	582017.16	32	9	25.983 N	104	4	5.896 W
6398.00	85.82	82.64	4908.75	31.05	1795.04	421021.75	582047.84	32	9	26.020 N	104	4	5.539 W
6429.00	86.26	83.60	4910.89	34.75	1825.74	421025.45	582078.54	32	9	26.056 N	104	4	5.182 W
6461.00	86.70	83.69	4912.86	38.29	1857.48	421028.99	582110.28	32	9	26.090 N	104	4	4.813 W
6492.00	86.70	83.16	4914.64	41.83	1888.23	421032.53	582141.03	32	9	26.125 N	104	4	4.455 W
6524.00	86.97	82.99	4916.41	45.68	1919.94	421036.38	582172.74	32	9	26.162 N	104	4	4.086 W
6555.00	87.32	83.43	4917.95	49.34	1950.69	421040.04	582203.49	32	9	26.198 N	104	4	3.728 W
6586.00	87.49	83.08	4919.36	52.98	1981.44	421043.68	582234.24	32	9	26.233 N	104	4	3.370 W
6618.00	86.88	82.90	4920.93	56.88	2013.16	421047.58	582265.96	32	9	26.271 N	104	4	3.001 W
6645.00	86.70	82.73	4922.44	60.25	2039.91	421050.95	582292.71	32	9	26.303 N	104	4	2.690 W
6700.00	86.70	82.73	4925.61	67.20	2094.38	421057.90	582347.18	32	9	26.371 N	104	4	2.056 W

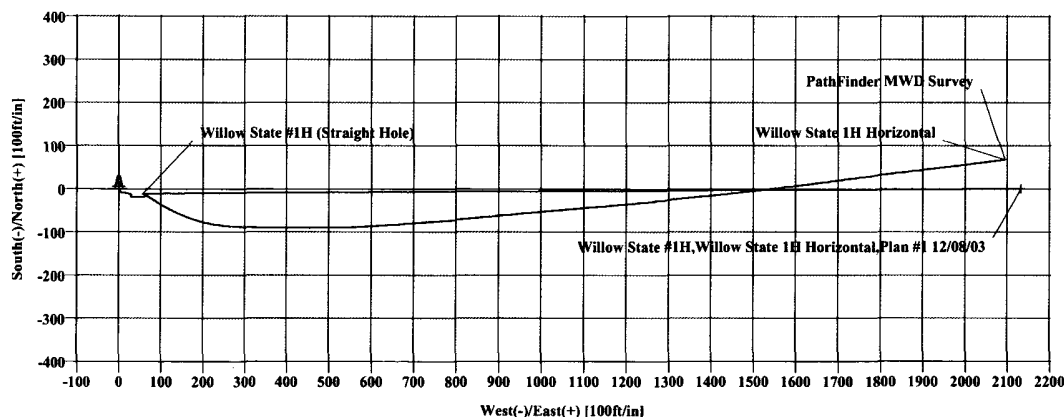
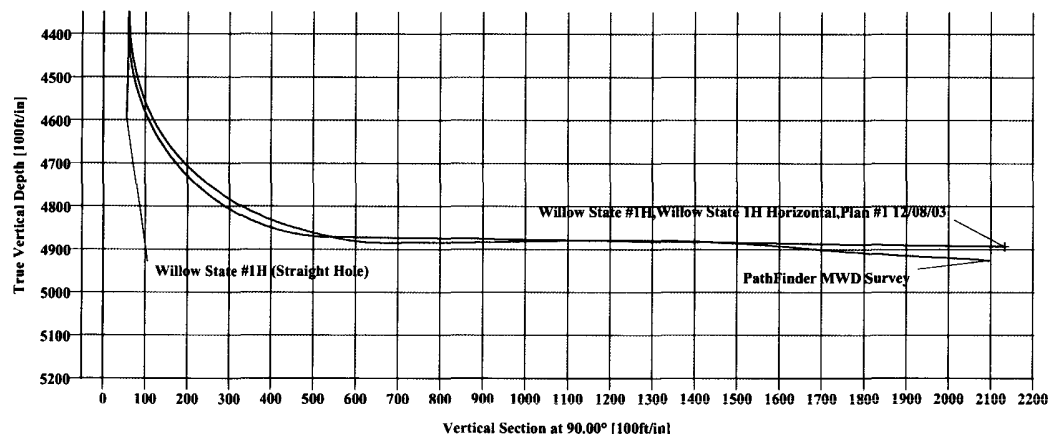
Marbob Energy Corp.
Willo State #1
Eddy County, New Mexico
Plan #1 12/08/03 11.9/100 BUR
Total Correction to Grid = 8.72
Final Survey Page Plot



PATHFINDER
ENERGY SERVICES

Survey: Pathfinder MWD Survey (Willow State #1H/Willow State 1H Horizontal)

No	MD	Inc	Az	TVD	+N/-S	+E/-W	DLeg	TFace	VSec
20	4920.00	63.31	90.55	4804.52	-90.23	336.53	14.53	-17.21	336.53
21	4952.00	66.48	90.28	4818.10	-90.43	365.50	9.94	-4.47	365.50
22	4983.00	68.32	90.11	4830.01	-90.53	394.12	5.96	-4.91	394.12
23	5014.00	71.93	89.84	4840.55	-90.52	423.27	11.67	-4.07	423.27
24	5045.00	74.48	90.11	4849.50	-90.51	452.95	8.27	5.83	452.95
25	5076.00	75.36	89.76	4857.57	-90.47	482.88	3.04	-21.05	482.88
26	5107.00	76.50	89.40	4865.11	-90.25	512.95	3.85	-17.07	512.95
27	5138.00	77.47	88.79	4872.09	-89.77	543.15	3.67	-31.57	543.15
28	5170.00	80.72	87.29	4878.14	-88.70	574.54	11.15	-24.53	574.54
29	5211.00	84.94	86.15	4883.26	-86.37	615.15	10.66	-15.08	615.15
30	5242.00	88.64	86.06	4884.99	-84.27	646.02	11.94	-1.39	646.02
31	5274.00	90.13	85.89	4885.34	-82.02	677.94	4.69	-6.51	677.94
32	5305.00	90.40	85.71	4885.19	-79.75	708.86	1.05	-33.69	708.86
33	5336.00	90.48	85.98	4884.95	-77.50	739.77	0.91	-73.49	739.77
34	5367.00	90.31	85.62	4884.74	-75.23	770.69	1.28	-115.28	770.69
35	5398.00	89.78	84.66	4884.72	-72.61	801.58	3.54	-118.90	801.58
36	5429.00	89.96	84.57	4884.79	-69.70	832.44	0.65	-26.57	832.44
37	5461.00	90.40	84.75	4884.69	-66.72	864.30	1.49	22.25	864.30
38	5492.00	90.75	84.22	4884.38	-63.74	895.16	2.05	-56.56	895.16
39	5523.00	90.92	84.13	4883.92	-60.59	925.99	0.62	-27.89	925.99
40	5554.00	91.36	85.01	4883.31	-57.66	956.85	3.17	63.42	956.85
41	5585.00	91.45	84.83	4882.55	-54.92	987.72	0.65	-63.43	987.72
42	5616.00	91.01	85.18	4881.88	-52.22	1018.59	1.81	141.50	1018.59
43	5647.00	91.01	85.10	4881.34	-49.59	1049.47	0.26	-90.00	1049.47
44	5679.00	91.54	84.75	4880.62	-46.76	1081.34	1.98	-33.43	1081.34
45	5700.00	91.54	84.83	4880.06	-44.86	1102.25	0.38	90.00	1102.25
46	5731.00	91.10	85.27	4879.34	-42.18	1133.12	2.01	135.00	1133.12
47	5763.00	89.87	85.36	4879.07	-39.57	1165.01	3.85	175.81	1165.01
48	5794.00	90.04	85.01	4879.10	-36.97	1195.90	1.26	-64.09	1195.90
49	5867.00	89.34	83.87	4879.49	-29.89	1268.56	1.83	-121.55	1268.56
50	5898.00	88.99	83.69	4879.94	-26.54	1299.37	1.27	-152.79	1299.37
51	5931.00	89.08	84.13	4880.50	-23.04	1332.18	1.36	78.44	1332.18
52	5962.00	88.90	84.13	4881.05	-19.87	1363.01	0.58	180.00	1363.01
53	5993.00	88.46	85.01	4881.76	-16.93	1393.87	3.17	116.58	1393.87
54	6024.00	86.70	84.04	4883.07	-13.98	1424.70	6.48	-151.18	1424.70
55	6055.00	87.05	83.25	4884.76	-10.55	1455.46	2.78	-66.10	1455.46
56	6086.00	87.49	84.04	4886.24	-7.12	1486.23	2.91	60.88	1486.23
57	6117.00	86.44	83.34	4887.88	-3.72	1517.00	4.07	-146.36	1517.00
58	6148.00	86.70	83.08	4889.73	-0.06	1547.73	1.19	-44.96	1547.73
59	6180.00	86.44	83.43	4891.65	3.69	1579.45	1.36	126.67	1579.45
60	6210.00	85.74	83.08	4893.69	7.20	1609.17	2.61	-153.50	1609.17
61	6241.00	84.68	82.55	4896.28	11.07	1639.82	3.82	-153.54	1639.82
62	6272.00	84.33	82.20	4899.25	15.16	1670.41	1.59	-135.15	1670.41
63	6304.00	85.65	82.64	4902.04	19.37	1702.01	4.35	18.39	1702.01
64	6336.00	86.17	82.99	4904.33	23.36	1733.67	1.96	33.89	1733.67
65	6367.00	85.82	82.90	4906.49	27.16	1764.36	1.17	-165.62	1764.36
66	6398.00	85.82	82.64	4908.75	31.05	1795.04	0.84	-90.01	1795.04
67	6429.00	86.26	83.60	4910.89	34.75	1825.74	3.40	65.36	1825.74
68	6461.00	86.70	83.69	4912.86	38.29	1857.48	1.40	11.54	1857.48
69	6492.00	86.70	83.16	4914.64	41.83	1888.23	1.71	-90.02	1888.23
70	6524.00	86.97	82.99	4916.41	45.68	1919.94	1.00	-32.16	1919.94
71	6555.00	87.32	83.43	4917.95	49.34	1950.69	1.81	51.48	1950.69
72	6586.00	87.49	83.08	4919.36	52.98	1981.44	1.25	-64.08	1981.44
73	6618.00	86.88	82.90	4920.93	56.88	2013.16	1.99	-163.58	2013.16
74	6645.00	86.70	82.73	4922.44	60.25	2039.91	0.92	-136.69	2039.91
75	6700.00	86.70	82.73	4925.61	67.20	2094.38	0.00	0.00	2094.38



Plan: Plan #1 12/08/03 (Willow State #1H/Willow State 1H Horizontal)
 Final Survey Page Plot

Created By: Robert Savage

Date: 12/17/2003



A BWWC Company

Job Number: 03175051046
 Company: Marbob Energy Corp.
 Lease/Well: Willow St., Well #1
 Location: Eddy County
 Rig Name: L & M #1
 RKB: 12.0'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 8.73°
 Grid: East to Grid
 File name: F:\2003SU~1\MARBOB~1\WILLOW1.SVY
 Date/Time: 08-Dec-03 / 10:30
 Curve Name: Surface - 4,600' M.D.

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 90.00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

We hereby certify that our survey data from
 0 MD to 4600 MD is, to the best of
 our knowledge a true and accurate account of
 the well bore.

[Signature] 12/0/03
 Multi-Shot Date

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	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.25	174.89	100.00	-.22	.02	.02	.22	174.89	.25
200.00	.75	152.05	200.00	-1.01	.35	.35	1.07	161.16	.53
300.00	1.75	149.21	299.97	-2.90	1.43	1.43	3.24	153.71	1.00
400.00	2.30	142.36	399.91	-5.80	3.44	3.44	6.75	149.33	.60
500.00	1.50	152.54	499.85	-8.55	5.27	5.27	10.05	148.36	.87
600.00	1.30	89.71	599.83	-9.71	7.01	7.01	11.97	144.18	1.47
700.00	1.75	95.87	699.79	-9.86	9.66	9.66	13.80	135.58	.48
800.00	1.80	97.04	799.74	-10.21	12.74	12.74	16.32	128.71	.06
900.00	1.90	98.20	899.69	-10.64	15.94	15.94	19.16	123.72	.11

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1000.00	2.00	108.36	999.63	-11.42	19.24	19.24	22.37	120.71	.36
1100.00	1.50	95.54	1099.59	-12.10	22.19	22.19	25.28	118.60	.63
1200.00	1.50	93.70	1199.55	-12.31	24.80	24.80	27.69	116.40	.05
1300.00	1.20	99.87	1299.53	-12.57	27.14	27.14	29.91	114.86	.33
1400.00	.75	117.03	1399.51	-13.05	28.76	28.76	31.58	114.41	.53
1500.00	.75	139.20	1499.50	-13.84	29.77	29.77	32.83	114.94	.29
1600.00	1.00	198.19	1599.49	-15.17	29.92	29.92	33.55	116.88	.89
1700.00	.80	213.35	1699.48	-16.58	29.27	29.27	33.64	119.53	.31
1800.00	1.00	207.52	1799.47	-17.94	28.48	28.48	33.66	122.21	.22
1900.00	1.50	112.67	1899.45	-19.22	29.28	29.28	35.03	123.27	1.87
2000.00	2.20	92.84	1999.40	-19.82	32.41	32.41	37.99	121.44	.94
2100.00	2.50	79.02	2099.32	-19.50	36.47	36.47	41.35	118.13	.64
2200.00	3.20	91.18	2199.19	-19.14	41.40	41.40	45.61	114.81	.92
2300.00	3.75	94.28	2299.01	-19.44	47.45	47.45	51.28	112.28	.58
2400.00	3.25	90.36	2398.82	-19.70	53.54	53.54	57.05	110.20	.55
2500.00	2.00	87.42	2498.72	-19.64	58.12	58.12	61.35	108.67	1.26
2600.00	1.00	63.49	2598.68	-19.17	60.65	60.65	63.61	107.54	1.16
2700.00	.90	65.55	2698.67	-18.46	62.14	62.14	64.83	106.54	.11
2800.00	1.00	61.62	2798.65	-17.72	63.63	63.63	66.05	105.56	.12
2900.00	.90	56.68	2898.64	-16.87	65.05	65.05	67.20	104.54	.13
3000.00	.50	47.75	2998.63	-16.15	66.03	66.03	67.97	103.74	.41
3100.00	.30	64.13	3098.63	-15.74	66.59	66.59	68.42	103.30	.23
3200.00	.50	22.20	3198.63	-15.22	66.99	66.99	68.70	102.80	.34
3300.00	.50	32.26	3298.62	-14.45	67.39	67.39	68.92	102.10	.09
3400.00	.20	262.33	3398.62	-14.10	67.45	67.45	68.90	101.81	.65
3500.00	.25	290.39	3498.62	-14.05	67.07	67.07	68.52	101.83	.12
3600.00	.25	296.46	3598.62	-13.88	66.67	66.67	68.10	101.76	.03
3700.00	.25	285.52	3698.62	-13.72	66.26	66.26	67.67	101.70	.05
3800.00	.30	307.59	3798.62	-13.50	65.84	65.84	67.22	101.59	.12
3900.00	.60	281.55	3898.62	-13.24	65.12	65.12	66.46	101.49	.36

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	
4000.00	.50	296.52	3998.61	-12.94	64.22	64.22	65.51	101.39	.17
4100.00	.50	284.48	4098.61	-12.63	63.41	63.41	64.65	101.27	.10
4200.00	.75	255.45	4198.60	-12.69	62.35	62.35	63.63	101.50	.40
4300.00	.60	260.41	4298.60	-12.94	61.20	61.20	62.56	101.94	.16
4400.00	.80	289.38	4398.59	-12.80	60.03	60.03	61.38	102.03	.40
4500.00	1.00	272.34	4498.58	-12.53	58.50	58.50	59.82	102.09	.33
Last Survey Depth Recorded									
4600.00	1.25	267.31	4598.56	-12.55	56.54	56.54	57.91	102.51	.27