

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
OMB NO 1004-0137
Expires: March 31, 2007

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

S

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other		5. Lease Serial No. NMNM18613A																																																			
b. Type of Completion: ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr., Other _____		6. If Indian, Allottee or Tribe Name																																																			
2. Name of Operator Marbob Energy Corporation		7. Unit or CA Agreement Name and No. NMNM 119899																																																			
3. Address PO Box 227 Artesia, NM 88211-0227		8. Lease Name and Well No. Woody's Hope Federal Com #1																																																			
3a. Phone No. (include area code) 575-748-3303		9. AFI Well No. 30-015-35495																																																			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 660 FNL 660 FEL, Unit A At top prod. interval reported below At total depth 693 FNL 724 FEL, Unit A		10. Field and Pool, or Exploratory Black River; Morrow, South (G)																																																			
14. Date Spudded 11/05/2007		15. Date T.D. Reached 12/28/2007																																																			
16. Date Completed 01/29/2008 ☐ D & A ☒ Ready to Prod.		17. Elevations (DF, RKB, RT, GL)* 3105' GL																																																			
18. Total Depth. MD 13010' TVD 13008'		19. Plug Back T.D. MD 12490' TVD 12488'																																																			
20. Depth Bridge Plug Set: MD 12525' TVD 12523'		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) DLL, DSN																																																			
22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit report) Directional Survey? ☐ No ☒ Yes (Submit copy)		23. Casing and Liner Record (Report all strings set in well)																																																			
<table border="1"><thead><tr><th>Hole Size</th><th>Size/Grade</th><th>Wt. (#/ft.)</th><th>Top (MD)</th><th>Bottom (MD)</th><th>Stage Cementer Depth</th><th>No. of Sks. & Type of Cement</th><th>Slurry Vol. (BBL)</th><th>Cement Top*</th><th>Amount Pulled</th></tr></thead><tbody><tr><td>17 1/2"</td><td>13 3/8"</td><td>48#</td><td>0</td><td>378'</td><td></td><td>749 sx</td><td></td><td>0</td><td>None</td></tr><tr><td>12 1/4"</td><td>9 5/8"</td><td>36#</td><td>0</td><td>2300'</td><td></td><td>925 sx</td><td></td><td>0</td><td>None</td></tr><tr><td>8 3/4"</td><td>7"</td><td>23#</td><td>0</td><td>9764'</td><td></td><td>1610 sx</td><td></td><td>0</td><td>None</td></tr><tr><td>6 1/8"</td><td>4 1/2"</td><td>11.6#</td><td>0</td><td>13010'</td><td></td><td>300 sx</td><td></td><td>8900' TS</td><td>None</td></tr></tbody></table>				Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled	17 1/2"	13 3/8"	48#	0	378'		749 sx		0	None	12 1/4"	9 5/8"	36#	0	2300'		925 sx		0	None	8 3/4"	7"	23#	0	9764'		1610 sx		0	None	6 1/8"	4 1/2"	11.6#	0	13010'		300 sx		8900' TS	None
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*(See instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD
FEB 24 2008
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press Flwg. SI	Csg. Press	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Salado	757'
				BOS	2211'
				Delaware	2413'
				Bone Spring	5933'
				Wolfcamp	9778'
				Strawn	11308'
				Atoka	11568'
				Morrow	12356'

32. Additional remarks (include plugging procedure):

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd) ☐ Geologic Report ☐ DST Report ☒ Directional Survey
☐ Sundry Notice for plugging and cement verification ☐ Core Analysis ☒ Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) **Diana J. Briggs**Title **Production Analyst**

Signature

Date **02/20/2008**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

OPERATOR: Marbob Energy Corp.
WELL/LEASE: Woody's Hope Fed. Com. # 1
COUNTY: Eddy Co., NM
Sec.24T24 S R 27E

STATE OF NEW MEXICO
DEVIATION REPORT

<u>Depth</u>	<u>Deviation</u>	<u>Depth</u>	<u>Deviation</u>
355	1 1/2	5,773	1/2
631	2	6,270	1
875	2	6,770	1
1,125	1 3/4	7,181	3/4
1,383	1/2	7,690	2 1/2
1,637	3/4	7,940	1
1,858	3/4	8,450	1/2
2,082	1 3/4	8,960	3/4
2,241	1 1/4	9,760	1
2,795	1	9,723	1/2
3,295	1	10,223	1
3,795	1	10,707	1 1/2
4,287	3/4	10,833	1 1/4
4,796	1	11,381	1 1/2
5,273	1		

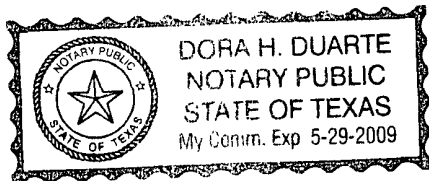
Patriot Drilling, LLC



M. Leroy Peterson, Executive Vice-
President

The foregoing instrument was acknowledged before me on this 4th day of January, 2008 by M. Leroy Peterson, Executive Vice-President of Patriot Drilling, LLC.

My Commission Expires: 5/29/2009



Dora H. Duarte
Notary Public for Midland Co., Texas

DIRECTIONAL DRILLING CO.												
HORIZONTAL SURVEY PROGRAM												
ORIGINAL				MINIMUM CURVATURE CALCULATIONS(SPE-3362)					ORIGINAL			
OPERATOR: MARBOB ENERGY								START: 12/15/2007				
WELL: WOODY'S HOPE								FINISH:				
LOCATION: EDDY CO. N.M.								INFORMATION PROVIDED BY: RIG				
JOB NO:								DIRECTIONAL COORDINATOR: C. HUBER				
DIP1 = 0.00 deg = deg						DIP2 = 0.00 deg =						
TARGET1 = 0 ft TVD						TARGET2 = 0 ft TVD						
VS1 = 0 ft						VS2 = 0 ft						
DATE:09/30/06			TIME: 11:20 AM		DECLINATION=		8.5		DIRECTION. 234.50		359.5	
SVY #	MEASURED DEPTH	INC (DRIFT)	TRUE AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ACTUAL BUR	CENTER ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)	QUAD FORMAT
TIE	10500	0.00	0.00	10500.0	0.0	0.0	0.0	-10500.0	0.0	0.0	0.0	0
1	10548	3.87	40.22	10548.0	-1.6	8.1	8.1	-10548.0	0.4	1.2	1.0	N 40.2 E
2	10580	4.70	45.32	10579.9	-3.9	2.9	2.6	-10579.9	0.9	3.0	2.7	N 45.3 E
3	10643	0.97	178.35	10642.8	-6.2	8.6	-5.9	-10642.8	0.8	4.3	4.5	S 1.7 E
4	10706	1.58	203.96	10705.8	-5.1	1.3	1.0	-10705.8	0.0	2.9	4.2	S 24.0 W
5	10770	1.58	198.42	10769.8	-3.6	0.2	0.0	-10769.8	-1.0	1.3	3.6	S 18.4 W
6	10833	1.58	202.29	10832.7	-2.2	0.2	0.0	-10832.7	-2.0	-0.3	2.9	S 22.3 W
7	10928	1.67	210.02	10927.7	0.2	0.2	0.1	-10927.7	-3.3	-2.7	1.8	S 30.0 W
8	11023	1.41	209.15	11022.7	2.5	0.3	-0.3	-11022.7	-4.3	-5.0	0.5	S 29.2 W
9	11101	0.88	217.93	11100.7	3.9	0.7	-0.7	-11100.7	-4.9	-6.3	-0.3	S 37.9 W
10	11244	2.20	213.19	11243.6	7.5	0.9	0.9	-11243.6	-6.2	-9.4	-2.5	S 33.2 W
11	11308	3.34	236.22	11307.5	10.5	2.5	1.8	-11307.5	-6.6	-11.5	-4.7	S 56.2 W
12	11371	5.54	238.76	11370.3	15.4	3.5	3.5	-11370.3	-6.3	-14.1	-8.9	S 58.8 W
13	11444	5.10	235.80	11443.0	22.2	0.7	-0.6	-11443.0	-6.0	-17.7	-14.6	S 55.8 W
14	11538	4.50	242.10	11536.7	30.0	0.8	-0.6	-11536.7	-5.4	-21.8	-21.3	S 62.1 W
15	11665	3.40	249.40	11663.4	38.6	1.0	-0.9	-11663.4	-3.8	-25.5	-29.2	S 69.4 W
16	11823	2.50	262.90	11821.2	46.1	0.7	-0.6	-11821.2	-0.9	-27.6	-37.0	S 82.9 W
17	11950	1.80	262.50	11948.1	50.3	0.6	-0.6	-11948.1	1.3	-28.2	-41.7	S 82.5 W
18	12080	1.70	278.30	12078.0	53.5	0.4	-0.1	-12078.0	3.6	-28.1	-45.7	N 81.7 W
19	12139	1.40	247.50	12137.0	54.9	1.5	-0.5	-12137.0	4.4	-28.3	-47.2	S 67.5 W
20	12429	1.00	234.50	12426.9	60.8	0.2	-0.1	-12426.9	5.2	-31.1	-52.5	S 54.5 W
21	12785	1.00	265.60	12782.9	66.6	0.2	0.0	-12782.9	6.8	-33.2	-58.2	S 85.6 W
22	13010	1.80	268.30	13007.8	71.2	0.4	0.4	-13007.8	9.8	-33.4	-63.6	S 88.3 W
23												
24												
25												
26												
27												
28												
29												
30												



DIRECTIONAL SURVEY REPORT

MARBOB ENERGY

WOODY'S HOPE FED COM #1

EDDY COUNTY, NEW MEXICO

PREPARED BY: CODY MEBANE

Pathfinder Energy Services, Inc.
6213 W. County Road 112 • Midland, TX • 79706
(432)681-6000

DIRECTIONAL SURVEY COMPANY REPORT:

1. NAME OF SURVEYING COMPANY: PATHFINDER ENERGY SERVICES
2. NAME OF PERSON(S) PERFORMING SURVEY:
A) FRANK MIJARES
3. POSITION OF SAID PERSON(S): (A-F) SURVEYORS (FIELD ENGINEERS)
4. DATE(S) ON WHICH SURVEY WAS PERFORMED: 12/16/07 TO 12/20/07
5. STATE IN WHICH SURVEY WAS PERFORMED: NEW MEXICO
6. LOCATION OF WELL: EDDY COUNTY, NM
7. TYPE OF SURVEY(S) PERFORMED: MWD
8. COMPLETE IDENTIFICATION OF WELL:

MARBOB ENERGY CORPORATION.
WOODY'S HOPE FED COM # 1
EDDY COUNTY, NM
RIG: PATRIOT #3
9. SURVEY CERTIFIED FROM: 10548 TO 11371 FEET MEASURED DEPTH.

THIS IS TO VERIFY THAT ATTACHED DOCUMENTS SHOWING THE WELL TO BE DISPLACED AT 27.22 FEET ON A BEARING OF 224.03 DEGREES FROM THE CENTER OF THE ROTARY TABLE AT A PROJECTED BIT DEPTH OF 11506 FEET, ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.



Cody Mebane
M/LWD SERVICE COORDINATOR

PathFinder Energy Services, Inc.

BHL Report

Page 01/01
Tie-in Date: 12/16/2007
Date Completed: 12/20/2007

MARBOB ENERGY
WOODY'S HOPE FED COM #1
EDDY COUNTY, NEW MEXICO
Rig: PATRIOT #3
PathFinder Office Supervisor: CODY MEBANE
PathFinder Field Engineers: FRANK MIJARES

Survey Horiz. Reference: WELLHEAD
Ref Coordinates: LAT: 32.12.30.2652 N LON: 104.8.13.5816 W
GRID Reference: NAD27 new mexico east Transverse Mercator
Ref GRID Coord: X: 560691.4938 Y: 439593.3733
North Aligned To: GRID NORTH
Total Magnetic Correction: 8.14° EAST TO GRID
Vertical Section Plane: 0.00
Survey Vert. Reference: 20.00' Kelly Bushing To Ground
Altitude: 3105.00' Ground To MSL

Measured Depth	11506.00	(feet)
Inclination	5.54	(deg)
Azimuth	238.76	(deg)
True Vertical Depth	11504.67	(feet)
Vertical Section	-19.57	(feet)
Survey X cord	560672.58	(feet)
Survey Y cord	439573.81	(feet)
Survey Lat	32.20835330 N	(deg)
Survey Lon	104.13716728 W	(deg)
Rectangular Corr. N/S	19.57 S	(feet)
Rectangular Corr. E/W	18.92 W	(feet)
Closure Distance	27.22	(feet)
Direction of Closure	224.03	(deg)
Dogleg Severity	0.00	(deg/100ft)

PathFinder Energy Services, Inc.

Survey Report

MARBOB ENERGY
WOODY'S HOPE FED COM #1
EDDY COUNTY, NEW MEXICO
Rig: PATRIOT #3
PathFinder Office Supervisor: CODY MEBANE
PathFinder Field Engineers: FRANK MIJARES

Page 01/01
Tie-in Date: 12/16/2007
Date Completed: 12/20/2007

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Vertical Section Plane: 0.00
Survey Vert. Reference: 20.00' Kelly Bushing To Ground
Altitude: 3105.00' Ground To MSL

Survey Calculations by PathCalc v1.97e using Minimum Curvature

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Subsea Depth (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft) (ft)		Closure Dist Dir (ft) (deg)		DLS (dg/100ft)	TEMP (F)
TIE IN @ 10450' MD ASSUMING VERTICAL.											
10450.00	0.00	0.00	10450.00	10430.00	0.00	0.00	0.00	0.00@	0.00	0.00	0.00
THE FOLLOWING SURVEYS ARE PATHFINDER MWD SURVEYS.											
10548.00	3.87	40.22	10547.93	10527.93	2.53	2.53 N	2.14 E	3.31@	40.22	3.95	144.39
10580.00	4.70	45.32	10579.84	10559.84	4.27	4.27 N	3.77 E	5.70@	41.39	2.85	148.01
10643.00	0.97	178.35	10642.77	10622.77	5.56	5.56 N	5.62 E	7.90@	45.32	8.58	147.92
10706.00	1.58	203.96	10705.76	10685.76	4.23	4.23 N	5.28 E	6.76@	51.31	1.30	151.62
10770.00	1.58	198.42	10769.73	10749.73	2.59	2.59 N	4.64 E	5.31@	60.89	0.24	151.62
10833.00	1.58	202.29	10832.71	10812.71	0.96	0.96 N	4.04 E	4.15@	76.66	0.17	155.24
10928.00	1.67	210.02	10927.67	10907.67	-1.45	1.45 S	2.85 E	3.20@	117.01	0.25	155.24
11023.00	1.41	209.15	11022.64	11002.64	-3.67	3.67 S	1.59 E	4.00@	156.61	0.27	155.24
11101.00	0.88	217.93	11100.62	11080.62	-4.98	4.98 S	0.75 E	5.04@	171.41	0.71	158.85
11244.00	2.20	213.19	11243.57	11223.57	-8.15	8.15 S	1.42 W	8.27@	189.92	0.93	158.85
11308.00	3.34	236.22	11307.49	11287.49	-10.21	10.21 S	3.65 W	10.84@	199.66	2.46	158.85
11371.00	5.54	238.76	11370.30	11350.30	-12.81	12.81 S	7.77 W	14.98@	211.25	3.51	158.85
STRAIGHT LINE PROJECTION TO THE BIT AT 11506 FT. MD.											
11506.00	5.54	238.76	11504.67	11484.67	-19.57	19.57 S	18.92 W	27.22@	224.03	0.00	158.90