

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 47 E.

5. LEASE DESIGNATION AND SERIAL NO.

NM-016786

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Raper Fed.

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Grbg Jackson SR Q G SA

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

Sec. 11-T17S-R29E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL:

OIL WELL ☒

GAS WELL ☐

DRY ☐

Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒

WORK OVER ☐

DEEP-EN ☐

PLUG BACK ☐

DIFF. RESVR. ☐

Other ☐

2. NAME OF OPERATOR

Marbob Energy Corporation

3. ADDRESS OF OPERATOR

P.O. Drawer 217, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with an approved State Survey)

At surface 330 FNL 1980 FEL

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

30-015-25663

DATE ISSUED

JAN -9 1987

O. C. D.
ARTESIA, OFFICE

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

3650.3' GR

19. ELEV. CASINGHEAD

3650.3' GR

15. DATE SPUDDED

11/19/86

16. DATE T.D. REACHED

11/27/86

17. DATE COMPL. (Ready to prod.)

12/15/86

20. TOTAL DEPTH, MD & TVD

4510'

21. PLUG, BACK T.D., MD & TVD

4510'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-4510'

CABLE TOOLS

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

San Andres 2788-3520'

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Guard MG, SDSN

27. WAS WELL CORED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8"	24#	342'	12 1/4"	300 sax	None
5 1/2"	15.50#	4493.73'	7 7/8"	2375 sax	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
		ACCEPTED	FOR RECORD	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	3540'	

31. PERFORATION RECORD (Interval, size and number)

2788-3520' attached

CARLSBAD, NEW MEXICO

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2788-2977'	2000 gal 15% NE acid; 1500 bbl gel wtr, 20,000# 20/40, 40,000# sand
3075-3520'	2000 gal. 15% NE acid

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
12/15/86		Pumping - 2"					Prod.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
12/16/86	24		→	45	55	frac wtr		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
		→	45	55	frac wtr			

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

Sold

TEST WITNESSED BY

Robert C. Chase

35. LIST OF ATTACHMENTS

Logs, deviation survey, perforations

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

SIGNED

Carlyle J. Ricella

TITLE

Production Clerk

DATE

12/17/86

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 25, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 23. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORDED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
	0	10	Caliche	San Andres	2598		
	10	170	Red bed				
	170	245	Anhy				
	245	255	Sand				
	260	385	Anhy, red bed				
	385	430	Sand, gyp, salt				
	430	450	Anhy, salt				
	450	840	Salt, potash				
	840	875	Anhy, potash				
	875	1050	Anhy				
	1050	1075	Red bed				
	1075	2275	Anhy				
	2275	3520	Anhy, red bed				
	3520	4510	Anhy				
	4510		TD				

Marbob Energy Corporation
Raper Federal #2
Perforations

2788
2803
2815
2833
2841
2857
2861
2865
2888
2902
2977
3075
3154
3155
3173
3175
3186
3190
3196
3205
3227
3247
3260
3358
3371
3386
3399
3510
3512
3513
3514
3520

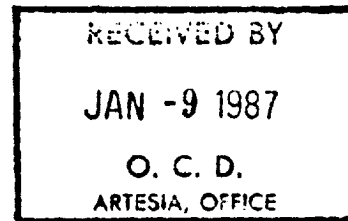
ARTESIA FISHING TOOL COMPANY

P. O. BOX 2617 PHONE (505) 746-6651

ARTESIA, NEW MEXICO 88210

November 30, 1986

Marbob Energy Corporation
PO Drawer 217
Artesia, NM 88210



Re: Raper Federal #2
330' FNL & 1980' FEL
Sec. 11, T17S, R29E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
357'	1°
803'	1 3/4°
1237'	1°
1701'	1 1/2°
1923'	1°
2415'	1 1/4°
2815'	1°
3264'	1 1/4°
3760'	1 1/4°
4227'	1°
4510'	1°

Very truly yours,

A handwritten signature in dark ink, appearing to read "B. N. Muncy Jr.".

B. N. Muncy Jr.
Secretary

STATE OF NEW MEXICO §
COUNTY OF EDDY §

The foregoing was acknowledged before me this 30th day of November, 1986.

A handwritten signature in dark ink, appearing to read "Regina L. Garner".

NOTARY PUBLIC