

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.**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. RESRV. ☐ Other ☐

2. NAME OF OPERATOR

Marbob Energy Corporation

3. ADDRESS OF OPERATOR

P.O. Drawer 217, Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1980 FNL 1980 FEL

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

DATE ISSUED

30-015-25611

12. COUNTY OR PARISH

Eddy

13. STATE

NM

15. DATE SPUDDED

5/13/86

16. DATE T.D. REACHED

5/25/86

17. DATE COMPL. (Ready to prod.)

7/15/86

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

3637.4' GR

19. ELEV. CASINGHEAD

3637.4' GR

20. TOTAL DEPTH, MD &amp; TVD

4560'

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

4537'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-4560'

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

2805 - 3347' San Andres

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

guard microguard, compensated spectral natural gamma, spectral density dual spaced neutron

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#             | 341'           | 12 1/4"   | 250 sax          | None          |
| 5 1/2"      | 17#             | 4545           | 7 7/8"    | 300 sax          | None          |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
|      |          |             |               |             | 2 7/8" | 3360'          |                 |

31. PERFORATION RECORD (Interval, size and number)

2805-3347' attached

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                                                          |
|---------------------|-------------------------------------------------------------------------------------------|
| 2805-3347'          | 4000 gal 15% NE acid, 5700 bbl gel wtr, 60,000# 20/40, 150,000# 12/20, 150,000# 8/16 sand |

33.\*

PRODUCTION

|                       |                 |                                                                      |                         |          |            |                         |                                    |  |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|-------------------------|------------------------------------|--|
| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            |                         | WELL STATUS (Producing or shut-in) |  |
| 7/15/86               |                 | Pumping - 2"                                                         |                         |          |            |                         | Producing                          |  |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO                      |  |
| 7/19/86               | 24              |                                                                      | →                       | 36       | 140        | 320                     | 3889                               |  |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |                                    |  |
|                       |                 | →                                                                    | 36                      | 140      | 320        |                         |                                    |  |

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

TEST WITNESSED BY  
**ACCEPTED FOR RECORD**

35. LIST OF ATTACHMENTS

Deviation survey, perforation, logs

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

JUL 20 1986

SIGNED DeWette WallaceTITLE Production ClerkDATE 7/22/86

CARLSBAD, NEW MEXICO

\*(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 33, 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 33. 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:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>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 | TRUE VERT. DEPTH |
|                                                                                                                                                                                                                                                       | 0    | 10     | Caliche                     | San Andres | 2598'       |                  |
|                                                                                                                                                                                                                                                       | 10   | 175    | Red Bed                     |            |             |                  |
|                                                                                                                                                                                                                                                       | 175  | 250    | Anhy                        |            |             |                  |
|                                                                                                                                                                                                                                                       | 250  | 260    | Sand                        |            |             |                  |
|                                                                                                                                                                                                                                                       | 260  | 400    | Anhy, red bed               |            |             |                  |
|                                                                                                                                                                                                                                                       | 400  | 435    | Sand, gyp                   |            |             |                  |
|                                                                                                                                                                                                                                                       | 435  | 450    | Anhy, salt                  |            |             |                  |
|                                                                                                                                                                                                                                                       | 450  | 850    | Salt, potash                |            |             |                  |
|                                                                                                                                                                                                                                                       | 850  | 875    | Anhy, potash                |            |             |                  |
|                                                                                                                                                                                                                                                       | 875  | 1045   | Anhy                        |            |             |                  |
|                                                                                                                                                                                                                                                       | 1045 | 1090   | Red bed                     |            |             |                  |
|                                                                                                                                                                                                                                                       | 1090 | 2290   | Anhy                        |            |             |                  |
|                                                                                                                                                                                                                                                       | 2290 | 3523   | Anhy, red bed               |            |             |                  |
|                                                                                                                                                                                                                                                       | 3523 | 4560   | Anhy                        |            |             |                  |
|                                                                                                                                                                                                                                                       | 4560 |        | TD                          |            |             |                  |

Marbob Energy Corporation  
Raper Federal #1  
Perforations

2805  
2817  
2824  
2825  
2833  
2834  
2850  
2854  
2855  
2879  
2882  
2883  
2897  
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2980  
2990  
3001  
3004  
3024  
3142  
3151  
3153  
3166  
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3169  
3184  
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3208  
3221  
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3230  
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3256  
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3302  
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3338  
3347