

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

## OIL CONSERVATION DIVISION

P. O. BOX 2068  
SANTA FE, NEW MEXICO 87501

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                        |   |
|------------------------|---|
| NO. OF COPIES RECEIVED |   |
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| SANTA FE               | ✓ |
| FILE                   | ✓ |
| U.S.O.S.               | ✓ |
| LAND OFFICE            | ✓ |
| OPERATOR               | ✓ |

5a. Indicate Type of Lease  
State ☒ - Fee  
5. State Oil & Gas Lease No.  
B-514

1a. TYPE OF WELL **Oil**  
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION  
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. FESVR. ☐ OTHER ☐

2. Name of Operator  
**Marbob Energy Corporation**

3. Address of Operator  
**P.O. Drawer 217, Artesia, New Mexico 88210**

4. Location of Well  
UNIT LETTER **O** LOCATED **330** FEET FROM THE **South** LINE AND **2310** FEET FROM  
THE **East** LINE OF SEC. **28** TWP. **17S** RGE. **29E** NMPM **Eddy**

15. Date Spudded **12/4/85** 16. Date T.D. Reached **12/15/85** 17. Date Compl. (Ready to Prod.) **12/31/85** 18. Elevations (DF, RAB, RT, GR, etc.) **3561' GR** 19. Elev. Casinghead **3561' GR**

20. Total Depth **4590'** 21. Plug Back T.D. **4552'** 22. If Multiple Compl., How Many **0-4590'** 23. Intervals Drilled By Rotary Tools **0-4590'** Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name  
**Grayburg 2447-2582'; San Andres 2662-3486'**

25. Was Directional Survey Made **Yes**

26. Type Electric and Other Logs Run  
**Dual spaced neutron**

27. Was Well Cored **No**

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

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|----------------|-----------|-----------|------------------|---------------|
| 8 5/8"      | 24#            | 295.62'   | 12 1/4"   | 250 sax          | None          |
| 5 1/2"      | 15.50#         | 4570'     | 7 7/8"    | 1350 sax         | None          |

29. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|------|-----|--------|--------------|--------|
|      |     |        |              |        |

30. TUBING RECORD

| SIZE   | DEPTH SET | PACKER SET |
|--------|-----------|------------|
| 2 7/8" | 3506'     |            |

31. Perforation Record (Interval, size and number)  
**2447-3486' attached**

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED                                                            |
|----------------|------------------------------------------------------------------------------------------|
| 2447-2740'     | 2000 gal acid; 1835 bbl gel wtr, 20,000# 20/40; 40,000# 12/20; 40,000# 8/16 sand         |
| 2839-3486'     | 4000 gal acid; 5085 bbl gel wtr, PRODUCTION 50,000# 20/40; 150,000# 12/20; 195,000# 8/16 |

33. PRODUCTION 50,000# 20/40; 150,000# 12/20; 195,000# 8/16

Date First Production **12/31/85** Production Method (Flooding, gas lift, pumping - Size and type pump) **Pumping - 2"** Well Status (Prod. or Shut-in) **Prod.**

Date of Test **1/1/86** Hours Tested **24** Choke Size **33** Oil - BBL **to pipeline** Gas - MCF **frac water** Water - BBL **frac water** Gas - Oil Ratio

Flow Telling Press. **33** Casing Pressure **to pipeline** Calculated 24-Hour Rate **frac water** Oil - BBL **frac water** Gas - MCF **frac water** Water - BBL **frac water** Oil Gravity - API (Comp)

34. Disposition of Gels (Sold, used for fuel, vented, etc.) **Sold** Test Witnessed By **Arthur D. Harris**

35. List of Attachments  
**Deviation survey, perforations, logs**

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED **Carol J. Purcella** TITLE **Production Clerk** DATE **1/3/86**

# 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 radioactivity 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 30 through 34 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" _____      |
| D. 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 <u>2590'</u> | T. Simpson _____       | T. Gallup _____             | T. Ignacio Qtzite _____ |
| T. Glorieta _____          | T. McKee _____         | Base Greenhorn _____        | T. Granite _____        |
| T. Paddock _____           | T. Ellenburger _____   | T. Dakota _____             | T. _____                |
| T. Blainebry _____         | T. Gr. Wash _____      | T. Morrison _____           | T. _____                |
| T. Tubb _____              | T. Granite _____       | T. Todilto _____            | T. _____                |
| T. Drinkard _____          | T. Delaware Sand _____ | T. Entrada _____            | T. _____                |
| T. Abo _____               | T. Bone Springs _____  | 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. 1, from _____ to _____ | No. 4, from _____ to _____ |
| No. 2, from _____ to _____ | No. 5, from _____ to _____ |
| No. 3, from _____ to _____ | No. 6, 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. _____ |
| No. 4, from _____ to _____ | feet. _____ |

## FORMATION RECORD (Attach additional sheets if necessary)

| From | To   | Thickness<br>in Feet | Formation   | From | To | Thickness<br>in Feet | Formation |
|------|------|----------------------|-------------|------|----|----------------------|-----------|
| 0    | 75   | 75                   | Sand        |      |    |                      |           |
| 75   | 240  | 165                  | Shale, anhy |      |    |                      |           |
| 240  | 620  | 380                  | Salt        |      |    |                      |           |
| 620  | 825  | 205                  | Anhy        |      |    |                      |           |
| 825  | 850  | 25                   | Anhy, shale |      |    |                      |           |
| 850  | 1140 | 290                  | Anhy        |      |    |                      |           |
| 1140 | 1185 | 45                   | Anhy, sand  |      |    |                      |           |
| 1185 | 2060 | 875                  | Anhy        |      |    |                      |           |
| 2060 | 3520 | 1460                 | Lime        |      |    |                      |           |
| 3520 | 3925 | 405                  | Anhy, lime  |      |    |                      |           |
| 3925 | 4590 | 665                  | Lime        |      |    |                      |           |
| 4590 |      |                      | TD          |      |    |                      |           |