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Form C-105  
Revised 11-1-86

# NEW MEXICO OIL CONSERVATION COMMISSION WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease  
State ☐ Fee ☒

5. State Oil & Gas Lease No.  
\_\_\_\_\_

1a. TYPE OF WELL  
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER \_\_\_\_\_

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

7. Unit Agreement Name  
\_\_\_\_\_

8. Farm or Lease Name  
Benson

2. Name of Operator  
Marathon Oil Company

9. Well No.  
1

3. Address of Operator  
P. O. Box 552, Midland, Texas 79702

10. Field and Pool, or Wildcat  
Wildcat - Dev.

4. Location of Well  
UNIT LETTER P LOCATED 330 FEET FROM THE South LINE AND 990 FEET FROM \_\_\_\_\_

11. County  
Lea

THE East LINE OF SEC. 14 TWP. 16-S RGE. 38-E

|                              |                                  |                                             |                                                                 |                               |
|------------------------------|----------------------------------|---------------------------------------------|-----------------------------------------------------------------|-------------------------------|
| 15. Date Spudded<br>11-15-86 | 16. Date T.D. Reached<br>1-24-87 | 17. Date Compl. (Ready to Prod.)<br>2-11-87 | 18. Elevations (DF, RKB, RT, GR, etc.)<br>GR: 3698' KB: 3723.4' | 19. Elev. Casinghead<br>3698' |
|------------------------------|----------------------------------|---------------------------------------------|-----------------------------------------------------------------|-------------------------------|

|                            |                               |                                       |                                                 |                  |
|----------------------------|-------------------------------|---------------------------------------|-------------------------------------------------|------------------|
| 20. Total Depth<br>13,345' | 21. Plug Back T.D.<br>13,248' | 22. If Multiple Compl., How Many<br>- | 23. Intervals Drilled By<br>Rotary Tools<br>All | Cable Tools<br>- |
|----------------------------|-------------------------------|---------------------------------------|-------------------------------------------------|------------------|

24. Producing Interval(s), of this completion - Top, Bottom, Name  
13,120'-13,150' (Devonian)

25. Was Directional Survey Made  
Yes

26. Type Electric and Other Logs Run  
GR-DLL, GR-CNL-LDT, GR-BHC Sonic

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 |
| 13-3/8"                                            | 48 & 54.5      | 319'      | 17-1/2"   | 430 sx. Class "C"          | None          |
| 9-5/8"                                             | 36 & 40        | 5017'     | 12-1/4"   | 1765 sx. Lite & 250 sx. H  | None          |
| 5-1/2"                                             | 17 & 20        | 13,344'   | 8-3/4"    | 1800 sx. Cl. "H" 50:50 POZ | None          |

| 29. LINER RECORD |     |        |              | 30. TUBING RECORD |        |           |            |
|------------------|-----|--------|--------------|-------------------|--------|-----------|------------|
| SIZE             | TOP | BOTTOM | SACKS CEMENT | SCREEN            | SIZE   | DEPTH SET | PACKER SET |
|                  |     |        |              |                   | 2-7/8" | 9035'     |            |

|                                                                                                                                                  |                                                |                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------------------------|
| 31. Perforation Record (Interval, size and number)<br>13,120'-13,130 (2 JSPF-22 holes-0.41" dia.)<br>13,130'-13,150 (4 JSPF-82 holes-0.41" dia.) | 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                                  |
|                                                                                                                                                  | DEPTH INTERVAL                                 | AMOUNT AND KIND MATERIAL USED    |
|                                                                                                                                                  | 13,120-13,150'                                 | 6000 gal. 15% NEFE-HCl           |
|                                                                                                                                                  | 13,120-13,150'                                 | 30,000 gal. gelled 20% HCl acid. |

33. PRODUCTION

|                                  |                                                                                                 |                                             |
|----------------------------------|-------------------------------------------------------------------------------------------------|---------------------------------------------|
| Date First Production<br>2-11-87 | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Pumping, 1-3/4" rod pump | Well Status (Prod. or Shut-in)<br>Producing |
| Date of Test<br>3-1-87           | Hours Tested<br>24                                                                              | Choke Size<br>open                          |
| Flow Tubing Press.<br>23 psi     | Casing Pressure<br>5 psi                                                                        | Calculated 24-Hour Rate<br>313              |
|                                  | Oil - BBL.<br>313                                                                               | Gas - MCF<br>11.4                           |
|                                  | Water - bbl.<br>120                                                                             | Gas - Oil Ratio<br>36                       |
|                                  | Oil Gravity - API (Corr.)<br>46.9                                                               |                                             |

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

Test Witnessed By  
M. L. Johnston

35. List of Attachments  
C-104 and Deviation Survey filed previously; Copy of Logs attached; DST Summary

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 William D. Holman TITLE Oper. Supt. DATE March 2, 1987

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission 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 30 through 34 shall be reported for each zone. The form is to be filed in triplicate 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 <u>11,290'</u>    | T. Pictured Cliffs _____    | T. Penn. "D" _____     |
| T. Yates _____             | T. Miss _____              | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers _____          | T. Devonian <u>13,118'</u> | 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>5010'</u> | T. Simpson _____           | T. Gallup _____             | T. Ignacio Qtzte _____ |
| T. Glorieta <u>6327'</u>   | T. McKee _____             | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock <u>6524'</u>    | T. Ellenburger _____       | T. Dakota _____             | T. _____               |
| T. Blinberry _____         | T. Gr. Wash _____          | T. Morrison _____           | T. _____               |
| T. Tubb <u>7692'</u>       | T. Granite _____           | T. Todilto _____            | T. _____               |
| T. Drinkard _____          | T. Delaware Sand _____     | T. Entrada _____            | T. _____               |
| T. Abo <u>8320'</u>        | T. Bone Springs _____      | T. Wingate _____            | T. _____               |
| T. Wolfcamp <u>9490'</u>   | 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 <u>13,118'</u> to <u>13,150'</u> | 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              |
|-------|-------|----------------------|------------------------|--------|--------|----------------------|------------------------|
| 25'   | 390'  |                      | Surface sand & gravel  | 5300'  | 9880'  | 4580                 | Dolomite               |
| 390'  | 2120' |                      | Red Bed                | 9880'  | 10180' | 300                  | Limestone              |
| 2120' | 2550' |                      | Sand and Shale         | 10180' | 10530' | 850                  | Dolomite               |
| 2550' | 4664' |                      | Anhydrite and Salt     | 10530' | 10660' | 130                  | Limestone              |
| 4664' | 5300' |                      | Anhydrite and Dolomite | 10660' | 11000' | 340                  | Limestone and Dolomite |
|       |       |                      |                        | 11000' | 11510' | 510                  | Limestone and Shale    |
|       |       |                      |                        | 11510' | 11800' | 290                  | Sandstone and Shale    |
|       |       |                      |                        | 11800' | 11980' | 180                  | Limestone              |
|       |       |                      |                        | 11980' | 12180' | 200                  | Limestone and Shale    |
|       |       |                      |                        | 12180' | 13060' | 880                  | Limestone              |
|       |       |                      |                        | 13060' | 13120' | 60                   | Shale                  |
|       |       |                      |                        | 13120' | 13345' | 225                  | Dolomite               |

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