

Drawer DD

Artesia, NM 88240

UNITED STATES

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED BY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

JUL 03 1984

Form approved.  
Budget Bureau No. 42-R355.6.

## 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. RESV. ☐ Other \_\_\_\_\_

2. NAME OF OPERATOR

TEXACO Inc. ✓

3. ADDRESS OF OPERATOR

P. O. Box 728, Hobbs, New Mexico 88240

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

At surface

2130' FSL & 990' FEL  
(Unit Letter 'I')

At top prod. interval reported below

At total depth

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.

NM-033775

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

L.R. Manning Fed #

9. WELL NO.

21

10. FIELD AND POOL, OR WILDCAT

Ninenim Ridge Morrow

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

Sec. 28, T-18-S, R-30-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

15. DATE SPURRED

12-2-83

16. DATE T.D. REACHED

1-30-84

17. DATE COMPL. (Ready to prod.)

4-1-84

18. ELEVATIONS (DF, R&amp;B, RT, GR, ETC.)\*

3476' (GF)

19. ELEV. CASINGHEAD

3476'

20. TOTAL DEPTH, MD &amp; TVD

13,206'

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

11,750'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-13,206'

CABLE TOOLS

-0-

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

11,610' - 11,677' (Morrow)

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR-CNL-CDL-CAL; GR-BHC SONIC-CAL; GR-DLL-MSFL

27. WAS WELL CORED

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|------------------|---------------|
| 13 3/8"     | 48#             | 421'           | 17 1/2"   | 800 SX           | -0-           |
| 9 5/8"      | 36# 40#, 47#    | 4000'          | 12 1/2"   | 3350 SX          | -0-           |
| 5 1/2"      | 17# & 20#       | 13,206'        | 8 1/2"    | 2200 SX          | -0-           |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
|      |          |             |               |             | 2 3/8" | 11,541'        | 11,541'         |

31. PERFORATION RECORD (Interval, size and number) Perf 5 1/2"

CSG W/2-JSPF FROM 11,610'-11,614'; 11,618'-11,622'; 11,670'-11,677'.

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                                                                                                           |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 11,610'-11,677'     | 2000 Gals 7 1/2% Morrow Acid W/ 1000 SCF N2 Per Bbl. 15,000 gals 2% KC. X-Linked Gelled Wtr. 12,000# 20/40 Mesh Sd & 1000 SCF CO2 per Bbl. |

33. PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | WELL STATUS (Producing or shut-in) |
|-----------------------|----------------------------------------------------------------------|------------------------------------|
|                       | Flowing                                                              | Shut-In                            |

| DATE OF TEST        | HOURS TESTED     | CHOKED SIZE             | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO |
|---------------------|------------------|-------------------------|-------------------------|----------|------------|-------------------------|---------------|
| 6-5-84              | 24 (ACF-4-Point) |                         |                         |          |            |                         |               |
| FLOW. TUBING PRESS. | CASING PRESSURE  | CALCULATED 24-HOUR RATE | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |               |

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

Shut In Pending Gas Connection

JUN 29 1984

TEST WITNESSED BY

R. E. Lee

35. LIST OF ATTACHMENTS

Copy of 4-point Test attached.

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

SIGNED

TITLE

Asst. Dist. Mgr.

DATE

6-27-84

\*(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 13:** 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:

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

| FORMATION        | TOP    | BOTTOM | DESCRIPTION, CONTENTS, ETC. | 38. GEOLOGIC MARKERS |                                        |
|------------------|--------|--------|-----------------------------|----------------------|----------------------------------------|
|                  |        |        |                             | NAME                 | MEAS. DEPTH<br>TOP<br>TRUE VERT. DEPTH |
| Red Bed          | -0-    | 421    |                             | Top of Salt          | 610'                                   |
| Anhydrite & Salt | 421    | 1280   |                             | Queen                | 2650'                                  |
| Anhydrite        | 1280   | 2992   |                             | Wolfcamp             | 9520'                                  |
| Anhydrite & Lime | 2992   | 3406   |                             | Canyon               | 10,365'                                |
| Dolomite         | 3406   | 3704   |                             | Morrow               | 11,610'                                |
| Lime             | 3704   | 6000   |                             | Woodford             | 12,760'                                |
| Lime & Shale     | 6000   | 8620   |                             |                      |                                        |
| Lime             | 8620   | 9207   |                             |                      |                                        |
| Lime & Shale     | 9207   | 11,850 |                             |                      |                                        |
| Lime             | 11,850 | 12,385 |                             |                      |                                        |
| Lime & Chert     | 12,385 | 12,559 |                             |                      |                                        |
| Lime             | 12,559 | 13,206 |                             |                      |                                        |
| TOTAL DEPTH      |        | 13,206 |                             |                      |                                        |
| PBTD             |        | 11,750 |                             |                      |                                        |

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DEC 05 1984

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLATForm C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

NM-033775

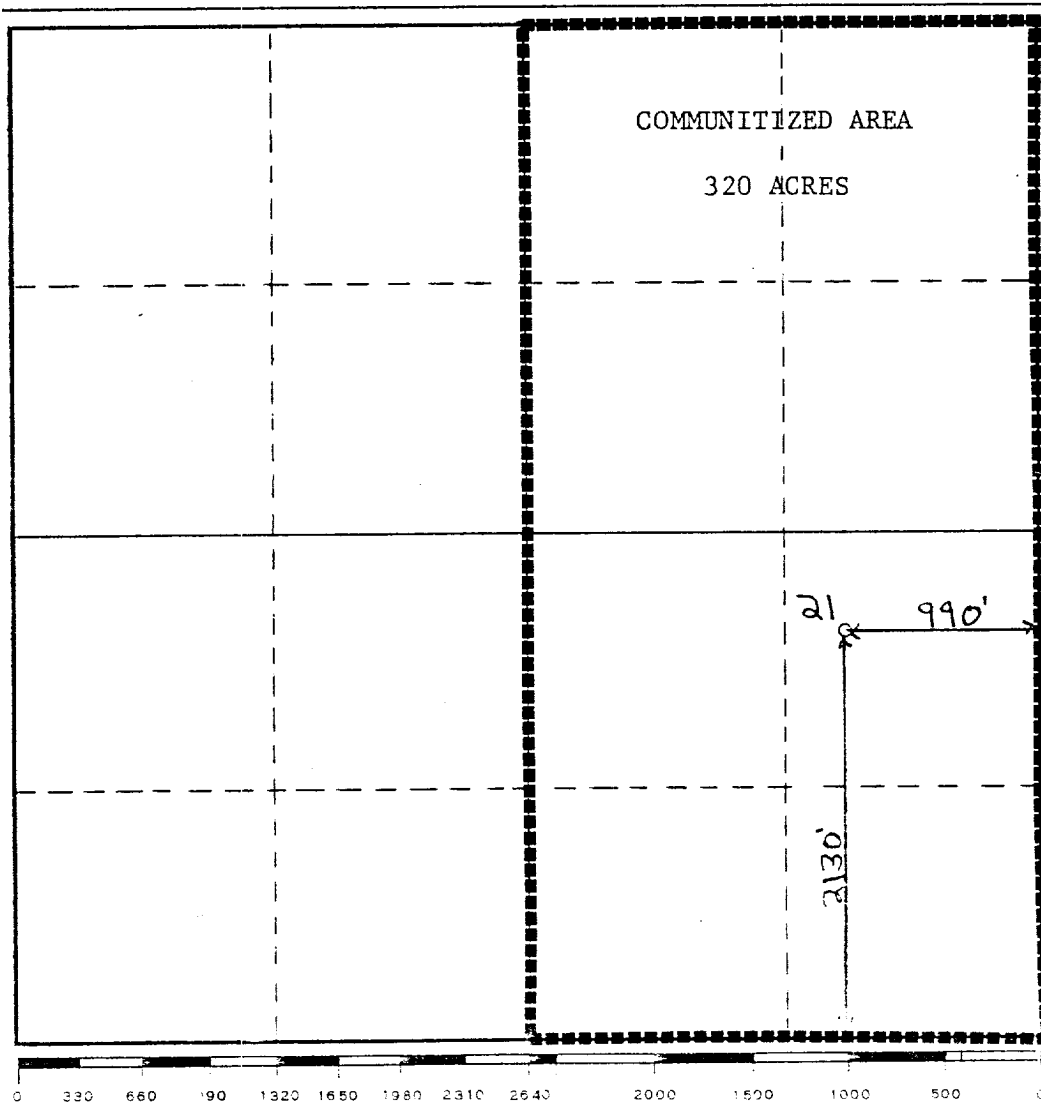
|                                                                                                   |                               |                                                    |                                 |                |
|---------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------|---------------------------------|----------------|
| Operator<br>O. C. D.<br>ARL TEXACO INC.                                                           |                               | Lease<br>L. R. MANNING FEDERAL "B"                 |                                 | Well No.<br>21 |
| Unit Letter<br>I                                                                                  | Section<br>28                 | Township<br>18 SOUTH                               | Range<br>30 EAST                | County<br>EDDY |
| Actual Footage Location of Well:<br>2130 feet from the SOUTH line and 990 feet from the EAST line |                               |                                                    |                                 |                |
| Ground Level Elev.<br>3476.3                                                                      | Producing Formation<br>MORROW | Pool<br>NIMENIM RIDGE MORROW (GAS) <del>EAST</del> | Dedicated Acreage:<br>320 Acres |                |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



## CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

Russell E. Sexton

Position

Engineer's Asst.

Company

Texaco Inc.

Date

November 27, 1984

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

September 19, 1983

Registered Professional Engineer  
and/or Land Surveyor

R. S. Lane

Certificate No.

8103