

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved.  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO.

NM 33437A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Sand 7 Federal

9. WELL NO.

4

10. FIELD AND POOL OR WILDCAT

Shugart, North Bone Spring

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

Sec. 7, T18S, R31E

12. COUNTY OR PARISH  
Eddy

13. STATE  
NM

1a. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other ☐

2. NAME OF OPERATOR

Enron Oil & Gas Company

3. ADDRESS OF OPERATOR

P. O. Box 2267, Midland, Texas 79702

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

At surface

560' FSL & 2125' FWL

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

6-29-90

15. DATE SPUDDED

7-6-90

16. DATE T.D. REACHED

7-21-90

17. DATE COMPL. (Ready to prod.)

8-7-90

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)

3608.5' GR

19. ELEV. CASINGHEAD

3608.5'

20. TOTAL DEPTH, MD & TVD

8614'

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

8443'

22. IF MULTIPLE COMPL., HOW MANY?

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

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

8346'-8397' (Bone Spring)

26. TYPE ELECTRIC AND OTHER LOGS RUN

ZDL/CN/GR/C, DLL/MLL/GR C

25. WAS DIRECTIONAL SURVEY MADE

No

27. WAS WELL CORED

No

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"     | 61#             | 710'           | 17-1/2"   | 720 C1 C         | Circulated    |
| 8-5/8"      | 32#             | 2511'          | 11"       | 1050 C1 C        | Circulated    |
| 5-1/2"      | 17#             | 8613'          | 7-7/8"    | 1350 C1 H        | -             |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | 30. TUBING RECORD |
|------|----------|-------------|---------------|-------------|-------------------|
|      |          |             |               |             | SIZE              |
|      |          |             |               |             | DEPTH SET (MD)    |
|      |          |             |               |             | PACKER SET (MD)   |
|      |          |             |               |             | 2-7/8"            |
|      |          |             |               |             | 8240'             |

31. PERFORATION RECORD (Interval, size and number)

8346' - 8397' (.50" 205)

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 8346-8397           | Frac w/90,000 gal 35#/gal borate |
| crosslinkd gel      | & 169,400# 16/30 Ottawa & 50,000 |
| 16/30 curable       | resin-coated sand                |

33.\* PRODUCTION

| DATE FIRST PRODUCTION                                      |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            |                         | WELL STATUS (Producing or shut-in) |  |
|------------------------------------------------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|-------------------------|------------------------------------|--|
| 8-8-90                                                     |                 | Pumping (1-1/8" x 1-1/2" x 20') RHBC                                 |                         |          |            |                         | Producing                          |  |
| DATE OF TEST                                               | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BSL. | GAS—MCF.   | WATER—BSL.              | GAS-OIL RATIO                      |  |
| 8-10-90                                                    | 12              | -                                                                    | →                       | 61       | 110        | 71                      | 1803                               |  |
| FLOW, TUBING PRESS.                                        | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BSL.                | GAS—MCF. | WATER—BSL. | OIL GRAVITY-API (CORR.) |                                    |  |
| -                                                          | 10              | →                                                                    | 122                     | 220      | 142        | 40.0                    |                                    |  |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) |                 |                                                                      |                         |          |            |                         |                                    |  |

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

Vented

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs, Inclination Report

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

SIGNED

Betty Gildon

TITLE Regulatory Analyst

DATE 8/21/90

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

| 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); |      |        |                             | 38. GEOLOGIC MARKERS |             |                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|-----------------------------|----------------------|-------------|------------------|
| FORMATION                                                                                                                                                                                                                                           | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME                 | TOP         |                  |
|                                                                                                                                                                                                                                                     |      |        |                             |                      | MEAS. DEPTH | TRUE VERT. DEPTH |
| Queen,<br>Grayburg & San Andres                                                                                                                                                                                                                     | 0    | 717    | Surface rock & Red Bed      | Queen                | 2987        |                  |
|                                                                                                                                                                                                                                                     | 717  | 2125   | Anhy & Red Bed              | Grayburg             | 3484        |                  |
|                                                                                                                                                                                                                                                     | 2125 | 2506   | Anhy                        | San Andres           | 3986        |                  |
|                                                                                                                                                                                                                                                     | 2506 | 4226   | Anhy, Dolo                  | 1st Bone Spring Sd   | 7344        |                  |
|                                                                                                                                                                                                                                                     | 4226 | 5818   | Dolo                        | 2nd Bone Sp Carb     | 7681        |                  |
|                                                                                                                                                                                                                                                     | 5818 | 6464   | Lime, Dolo                  | 2nd Bone Sp Sand     | 7922        |                  |
|                                                                                                                                                                                                                                                     | 6464 | 6788   | Chert, Lime                 | 3rd Bone Sp Carb     | 8565        |                  |
|                                                                                                                                                                                                                                                     | 6788 | 7245   | Chert, Lime, Shale          |                      |             |                  |
|                                                                                                                                                                                                                                                     | 7245 | 7750   | Lime                        |                      |             |                  |
|                                                                                                                                                                                                                                                     | 7750 | 8080   | Dolo, Lime, Shale           |                      |             |                  |
| Bone Spring                                                                                                                                                                                                                                         | 8080 | 8570   | Dolomite                    |                      |             |                  |
|                                                                                                                                                                                                                                                     | 8570 | 8614   | Dolo, Lime, Shale           |                      |             |                  |