

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

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

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. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

Newbourne Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 7698, Tyler, Texas 75711

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

At surface 2310' FNL and 2310' FEL

At top prod. interval reported below

Same

At total depth

Same

14. PERMIT NO.

DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

NM-4609

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL "E"

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT

Querecho Plains-Upper Bone Springs

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

27-T18S-R32E

12. COUNTY OR PARISH

Lea

13. STATE

New Mexico

15. DATE SPUDDED

5/14/85

16. DATE T.D. REACHED

6/12/85

17. DATE COMPL. (Ready to prod.)

7/14/85

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

3735' GL, 3749.6' KB, 3748' DF

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

9020'

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

22. IF MULTIPLE COMPL., HOW MANY \*

23. INTERVALS DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

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

Upper Bone Springs - 8501-8530'

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

CDL, CDDSNL, Micro-Guard

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 |
|-------------|-----------------|----------------|-----------|---------------------------|---------------|
| 13-3/8"     | 54.5#           | 456'           |           | 475 sxs Class "C"         | None          |
| 8-5/8"      | 32# & 24#       | 4542'          |           | 2600 sxs lite & Class "C" | None          |
| 5-1/2"      | 17#             | 9020'          |           | 1400 sxs Class "H" & PCL  | None          |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
|      |          |             |               |             | 2-7/8" | 8498'          |                 |

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

8501-8530'

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                                                                  |
|---------------------|---------------------------------------------------------------------------------------------------|
| 8502-8530'          | 5000 gals 15% NEFE acid,<br>42,000 gals Pure Gel w/29,400#<br>20/40 sand + 67,000# 10/20<br>Sand. |

33. PRODUCTION

|                       |                 |                                                                      |                     |            |            |                                    |               |
|-----------------------|-----------------|----------------------------------------------------------------------|---------------------|------------|------------|------------------------------------|---------------|
| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                     |            |            | WELL STATUS (Producing or shut-in) |               |
| 7/15/85               |                 | Pumping                                                              |                     |            |            | Producing                          |               |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. TEST PERIOD | WATER—BBL. | GAS—MCF.   |                                    | GAS-OIL RATIO |
| 7/16/85               | 24 hrs          | --                                                                   | 100                 | 60         | 50         |                                    | 600:1         |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.            | GAS—MCF.   | WATER—BBL. | OIL GRAVITY-API (CORR.)            |               |
| --                    | --              | 100                                                                  | 100                 | 60         | 50         | 41° @ 74°                          |               |

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

Vented

TEST WITNESSED BY

W. H. Cravey

35. LIST OF ATTACHMENTS

Logs

CARLSBAD, NEW MEXICO

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

SIGNED

TITLE

Exploration Secretary

DATE

7/17/85

\*(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, flowing and shut-in pressures, and recoveries): |      |        |                                                                                                                                                                                                                                                                                                                                                   | 38. GEOLOGIC MARKERS                                                                        |                                                             |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|-------------------------------------------------------------|------------------|
| FORMATION                                                                                                                                                                                                                           | TOP  | BOTTOM | DESCRIPTION, CONTENTS, ETC.                                                                                                                                                                                                                                                                                                                       | NAME                                                                                        | MEAS. DEPTH                                                 | TRUE VERT. DEPTH |
| Upper Queen                                                                                                                                                                                                                         | 3911 | 3960   | Sandstone, clear, red, transparent, very fine to fine grained, unconsolidated, well rounded, fair sorting, some frosted, some subrounded. Few small clusters of clear sand w/bright yellow pinpoint fluorescence. Zone drilled at 2-3 mins/ft. Log porosities range 2-14% w/wtr sat calc from 33-45%.                                             | Base of Salt<br>Yates<br>Queen<br>Penrose<br>San Andres<br>Bone Springs<br>Lower Bone Spgs. | 2520'<br>2698'<br>3911'<br>4152'<br>4836'<br>7009'<br>8660' |                  |
| Penrose                                                                                                                                                                                                                             | 4152 | 4178   | Sandstone: gray, clear, very fine grained, consolidated, tight, calcareous matrix, subangular, fair sorting, no visual show. Zone drilled 1-4 mins/ft. Log porosities just reach 8% in two thin spikes. Avg porosity 4-5%. Calc wtr sat 34-72%.                                                                                                   |                                                                                             |                                                             |                  |
| Bone Springs                                                                                                                                                                                                                        | 8500 | 8530   | Sandstone: clear, very fine-fine grained, consolidated, friable, fair sorting, 80% w/blue-white fluorescence, mostly pinpoint & intergranular, fair bluewhite cut, good blue-white residual ring. Zone drilled 1.5-3.5 mins/ft. Crossplot porosities range 9-17% w/wtr sat calc 23-40%. Acoustic porosities 1-2% lower than crossplot porosities. |                                                                                             |                                                             |                  |

RECEIVED  
JUL 25 1985