

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See Instructions on  
reverse side)RECEIVED  
Budget Bureau No. 42 R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NMO AUG 20 1971

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

O. C. C.

7. UNIT OR FIELD NAME

ARTESIA, OFFICE

8. FARM OR LEASE NAME

Federal BQ

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Eagle Creek S.A.

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

Sec. 27-17S-25E

Unit D NMPM

12. COUNTY OR  
PARISH

Eddy

13. STATE

N. Mex.

## 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

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

207 South 4th Street - Artesia, New Mexico 88210

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

At surface 990' FNL &amp; 990' FWL of Sec. 27-17S-25E

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

7-19-71

16. DATE T.D. REACHED

7-23-71

17. DATE COMPL. (Ready to prod.)

8-5-71

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

3542' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

1550'

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

1533'

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

Rotary

ROTARY TOOLS

CABLE TOOLS

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

1274-1450½' San Andres

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Radioactivity

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 |
|-------------|-----------------|---------------------|-----------|------------------|
| 10 3/4"     | 32#             | 161'                | 13 3/4"   | 60 sacks         |
| 7"          | 23#             | 1145'               | 9 7/8"    | 325 sacks        |
| 4½" Tapered | 11#             | 513' ) 1533' 6 1/8" |           | 125 sacks        |
| 5½"         | 14#             | 1008'               |           |                  |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
|      |          |             |               |             | 2" EUE | 1255'          |                 |

31. PERFORATION RECORD (Interval, size and number) .51 1-shot/ft.

1444, 1425, 1414½, 1407, 1384, 1376½, 1366, 1354, 1344, 1327½, 1293, 1274, 1450½, 1438½, 1432, 1417, 1403, 1396½, 1380, 1373½, 1369, 1358, 1338, 1312, 1387, 1322½.

26 shots.

ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED                                                   |
|---------------------|------------------------------------------------------------------------------------|
| 1274-1450½'         | 6500 gal 15% acid for breakdown, 40000# 20-40 sand and 80000 gal of treated water. |

33. PRODUCTION

DATE FIRST PRODUCTION 8-5-71 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 8-17-71 HOURS TESTED 24 CHOKE SIZE PROD'N. FOR TEST PERIOD OIL—BBL. 20 GAS—MCF. TSTM WATER—BBL. 15 BLW GAS-OIL RATIO

FLOW, TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE OIL—BBL. 20 GAS—MCF. TSTM WATER—BBL. 15 BLW OIL GRAVITY-API (CORR.)

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

Vented

TEST WITNESSED BY

Paul Carre

35. LIST OF ATTACHMENTS

Deviation Survey

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

SIGNED

Edwin L. H. [Signature]

TITLE

Engineer

DATE

8-19-71

\*(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 18:** 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:<br>SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING<br>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                 | MEAS. DEPTH | TRUE VERT. DEPTH |
|                                                                                                                                                                                                                                                       |     |        | <div style="text-align: center;"> <p>RECEIVED</p> <p>AUG 20 1971</p> <p>C. C. D.</p> <p>ARTESIA, OFFICE</p> </div> | San Andres           | 756         |                  |

DEVIATION SURVEY

Yates Petroleum Corporation - Federal "BQ" No. 2  
990' FNL & 990' FWL of Section 27-17S-25E  
Eddy County, New Mexico

Depth Feet

161'  
1141'  
1550'

Deviation

1/2 deg.  
1 1/2 deg.  
2 1/2 deg.

RECEIVED

AUG 20 1971

O. C. C.  
ARTESIA, OFFICE

Sworn to this 10th day of August, 1971.

*Eddie M. Mahfood*

Eddie M. Mahfood  
Engineer for  
Yates Petroleum Corporation

STATE OF NEW MEXICO )

: ss

COUNTY OF EDDY )

RECEIVED

AUG 19 1971

U.S. GEOLOGICAL SURVEY  
ARTESIA, NEW MEXICO

The foregoing instrument was acknowledged before me this 10th day of August, 1971 by Eddie M. Mahfood agent for Yates Petroleum Corporation.

My Commission expires

8-9-1973

*Bella R. Williams*

Notary Public in and for  
Eddy County, New Mexico