N. M. O. C. C. COPY

Form 9-330
(Rev. 5-63)

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# UNITED STATES
# DEPARTMENT OF THE INTERIOR
## GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: LC-056302B

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

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b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

8. FARM OR LEASE NAME: KENNEDY FEDERAL

2. NAME OF OPERATOR: GEORGE A. CHASE

9. WELL NO.: 2

3. ADDRESS OF OPERATOR: P. O. Box 637, Artesia, New Mexico - 88210

10. FIELD AND POOL, OR WILDCAT: SQUARE LAKE

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: SE/4, NE/4, NE/4, Section 34, Township 16S, Range 31E, Eddy County, New Mexico
At top prod. interval reported below
At total depth: 3840

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 34, T16S, R31E

| 14. PERMIT NO. | DATE ISSUED | 12. COUNTY OR PARISH | 13. STATE |
|---|---|---|---|
| | | EDDY | NEW MEXICO |

| 15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (*Ready to prod.*) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* | 19. ELEV. CASINGHEAD |
|---|---|---|---|---|
| 11-17-64 | 11-29-64 | 11-29-64 | 4058 GL | 4058 |

| 20. TOTAL DEPTH, MD & TVD | 21. PLUG, BACK T.D., MD & TVD | 22. IF MULTIPLE COMPL., HOW MANY* | 23. INTERVALS DRILLED BY | ROTARY TOOLS | CABLE TOOLS |
|---|---|---|---|---|---|
| 3840 | 3735' | | → | 0-3840 | |

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 3603 - 3690 Premier

25. WAS DIRECTIONAL SURVEY MADE: yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: Gamma Ray Density

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# | 30' | 20" | 3 yards | none |
| 5-1/2" | 17# | 3735' | 8-3/4" | 200 sacks | none |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) |
|---|---|---|---|---|
| | | | | |

30. TUBING RECORD

| SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|---|---|---|
| 2" EUE | 3600' | none |

31. PERFORATION RECORD (*Interval, size and number*)

One 1.4 jet holes at:

| | | | |
|---|---|---|---|
| 3603 | 3651 | 3671 | 3682 |
| 3604 | 3653 | 3672 | 3686 |
| 3605 | 3655 | 3675 | 3690 |

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---|---|
| 3603 to 3690 | 250 gals mud acid<br>750 gals regular acid<br>45000# sand<br>75,600 gals water |

33.* PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*) | WELL STATUS (*Producing or shut-in*) |
|---|---|---|
| 12-14-64 | flowing and swabbing | producing |

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD → | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS-OIL RATIO |
|---|---|---|---|---|---|---|---|
| 12-7-64 | 24 | 1" | | 40 | 18.103 | 86 | 36'/1 |

| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE → | OIL—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |
|---|---|---|---|---|---|---|
| swabbing | 420 | | 40 | 18.103 | 86 | 36 |

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

TEST WITNESSED BY: C. E. Miller

35. LIST OF ATTACHMENTS: none

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

SIGNED George A. Chase TITLE Owner DATE Dec. 15, 1964

*(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:
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. |
|---|---|---|---|
| | 0000 | 700 | Red Beds |
| | 700 | 850 | Anhy |
| | 850 | 1850 | Salt |
| | 1850 | 2020 | Anhy and Dolo |
| | 2020 | 2230 | Anhy and Sand |
| | 2230 | 2915 | Sand and Dolo |
| | 2915 | 3040 | Sand |
| | 3040 | 3198 | Sand |
| | 3198 | 3430 | Sand and Dolo |
| | 3430 | 3500 | Sand |
| | 3500 | 3648 | Sand |
| | 3648 | 3691 | Lime |
| | 3691 | 3808 | Sand |

38. GEOLOGIC MARKERS

| NAME | TOP MEAS. DEPTH | TOP TRUE VERT. DEPTH |
|---|---|---|
| T. Anhy | 700 | |
| T. Salt | 850 | |
| B. Salt | 1850 | |
| T. Yates | 2020 | |
| T. 7 Rivers | 2280 | |
| T. Queen | 3040 | |
| T. Primrose | 3198 | |
| T. Grayburg | 3430 | |
| T. Metex | 3500 | |
| T. Premier | 3648 | |
| T. S. A. | 3691 | |
| T. Lovington | 3808 | |

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