

6-USGS, Farmington, N.M.

1-B Form 9-330

1-NCRA 5-63)

1-F

**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

5. LEASE DESIGNATION AND SERIAL NO.

SF #079161

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DEEP ☐ Other _____

b. TYPE OF COMPLETION:

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

2. NAME OF OPERATOR

Bolin Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 400, Aztec, New Mexico 87410

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

At surface 950' FSL / 910' FEL (Unit P) Sec. 9-T26N-R7W

At top prod. interval reported below

At total depth

14. PLUG NO.

DATE ISSUED

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Candado

9. WELL NO.

#23-A (dual)

10. FIELD AND POOL, OR WILDCAT

Otero Chacra/Blanco Mesaverde

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

Sec. 9-T26N-R7W

12. COUNTY OR PARISH

13. STATE

Rio Arriba New Mexico

15. DATE SPUDDED 10/23/79 16. DATE T.D. REACHED 11/4/79 17. DATE COMPL. (Ready to prod.) 4/14/80 18. ELEVATIONS (D.F., RKB, RT, GR, ETC.)* 6094' GL

20. TOTAL DEPTH, MD & TVD 4700' KB 21. PLUG BACK T.D., MD & TVD 4634' KB 22. IS MULTIPLE COMPL. HOW MANY* 2 23. INTERVALS DRILLED BY → X

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

CHACRA - Mesaverde dual: 3084' - 3180'

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Lateralog / G.R. Density

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

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD |
|-------------|-----------------|----------------|-----------|---------------------------------|
| 8 5/8" | 24# | 328' KB | 12 1/4" | 200 sxs. Circulated to surface. |
| 5 1/2" | 15.5# | 4693' KB | 7 7/8" | 795 sxs. Staged to surface. |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|--------|----------------|-----------------|
| | | | | | 1 1/4" | 3156' KB | 3264' KB |

31. PERFORATION RECORD (Interval, size and shots)

CH 2 shots per ft.

32. CH ~~4000' STOKY~~ FRACTURE. ~~CEMENT~~ ~~SOLUBLE~~ ~~EXTX~~

DEPTH INTERVAL (MD)

AMOUNT AND KIND OF MATERIAL USED

Total treatment 64,000# 20/40 sand & 66,780 gals. water.

33.*

PRODUCTION

| | | | | | | | |
|-----------------------|-----------------|--|-------------------------|-----------|------------|------------------------------------|----------|
| DATE FIRST PRODUCTION | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | | | | WELL STATUS (Producing or shut-in) | |
| not connected | | | | | | S.I. | |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL. | GAS—MCF. |
| 4/21/80 | 3 | 3/4" | → | | 877 Q | | |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | CH—BBL. | GAS—MCF. | WATER—BBL. | OIL GRAVITY—API (°API.) | |
| 58# | 401# | → | | 1,003 AOF | | | |

ACCEPTED FOR RECORD

APR 22 1980

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

TEST WITNESS

35. LIST OF ATTACHMENTS

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

SIGNED

E. P. Crumley

TITLE

agent

DATE

6/16/80

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

ACCEPTED FOR RECORD

AUG 22 1980

FARMINGTON DISTRICT

6-USGS, Farmington, N.M.

1-Form 2-330
(Rev. 5-63)

1-NCRA

1-F

**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 ***

| | | | | | |
|--|----------------------------|--|------------------------------|--|--|
| 1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____ | | | | 5. LEASE DESIGNATION AND SERIAL NO. SF #079161 | |
| b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____ | | | | 6. IF INDIAN, ALLOTTEE OR TRIBE NAME | |
| 2. NAME OF OPERATOR Bolin Oil Company | | | | 7. UNIT AGREEMENT NAME | |
| 3. ADDRESS OF OPERATOR P. O. Box 400, Aztec, New Mexico 87410 | | | | 8. FARM OR LEASE NAME Candado | |
| 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 950' FSL / 910' FEL (Unit P) Sec. 9-T26N-R7W At top prod. interval reported below At total depth | | | | 9. WELL NO. #23-A (dual) | |
| 14. PERMIT NO. _____ DATE ISSUED _____ | | | | 10. FIELD AND POOL, OR WILDCAT Otero Chacra/Blanco Mesaverde | |
| 15. DATE SPUDDED 10/23/79 | | | | 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 9-T26N-R7W | |
| 16. DATE T.D. REACHED 11/4/79 | | | | 12. COUNTY OR PARISH Rio Arriba | |
| 17. DATE COMPL. (Ready to prod.) 8/8/80 | | | | 13. STATE New Mexico | |
| 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6094' GL | | | | 19. ELEV. CASINGHEAD | |
| 20. TOTAL DEPTH, MD & TVD 4700' KB | | 21. PLUG, BACK T.D., MD & TVD 4634' KB | | 22. IF MULTIPLE COMPL. HOW MANY* 2 | |
| 23. INTERVALS DRILLED BY | | ROTARY TOOLS | | CABLE TOOLS | |
| | | X | | | |
| 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Chacra - MESAVERDE dual: 4278' - 4552' | | | | 25. WAS DIRECTIONAL SURVEY MADE Yes | |
| 26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Lateralog / G. R. 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 |
| 8 5/8" | 24# | 328' KB | 12 1/4" | 200 sxs. Circulated to surface. | |
| 5 1/2" | 15.5# | 4693' KB | 7 7/8" | 795 sxs. Staged to surface. | |
| 29. LINER RECORD | | | | | |
| SIZE | TOP (MD) | BOTTOM (MD) | SCREEN (MD) | 30. MV TUBING RECORD | |
| | | | | SIZE DEPTH SET (MD) PACKER SET (MD) | |
| | | | | 1 1/2" 4524' KB 3264' KB | |
| 31. PERFORATION RECORD (Interval, size and number) MV 2 shots per ft. | | | | | |
| 32. MV XMAS SHOT, FRACTURE, CEMENT, SQUEEZED, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED Total treatment 84,000# 20/40 sand & 89,000 gals. water. | | | | | |
| 33. PRODUCTION | | | | | |
| DATE FIRST PRODUCTION not connected | | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) | | | WELL STATUS (Producing or shut-in) S.I. |
| DATE OF TEST 8/16/80 | HOURS TESTED 3 | CHOKE SIZE 3/4" | PROD'N. FOR TEST PERIOD → | OIL BBL. 732 Q | GAS MCF. 732 Q |
| FLOW. TUBING PRESS. 47# | CASING PRESSURE SI 956# | CALCULATED 24-HOUR RATE → | OIL BBL. 751 AOF | GAS MCF. 751 AOF | WATER BBL. 751 AOF |
| 34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) | | | | | |
| 35. LIST OF ATTACHMENTS | | | | | |
| 36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records | | | | | |
| SIGNED <i>J. P. Crum Jr.</i> | | TITLE agent | | DATE 8/19/80 | |

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

NMOCC

RECEIVED
FEB 11 1964
U.S. AIR FORCE
HONOLULU, HAWAII

1. 100-100000-100

2. 100-100000-100

3. 100-100000-100

10-23-74

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 report 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 33.

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 POROSITY ZONES: | | | | 38. GEOLOGIC MARKERS | |
|---|-------|--------|-----------------------------|----------------------|------------------|
| SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, FLUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES | | | | | |
| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | MEAS. DEPTH |
| | | | | | TRUE VERT. DEPTH |
| Chacra | 3084' | 3314' | Sand - Gas | Kirtland | 1606' |
| | | | | Pictured Cliffs | 2193' |
| | | | | Chacra | 3084' |
| Mesaverde | | | | Pt. Lookout | 4470' |
| Pt. Lookout | 4470' | 4642' | Sand - Gas | | |

RECEIVED
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