

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

(See other instructions on reverse side)

## 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

J. Gregory Merriam & Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 1541, Farmington, NM 87401

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

At surface 1825 FSL & 1785 FWL

At top prod. interval reported below same

At total depth same

14. PERMIT NO.

DATE ISSUED

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Canada Mesa

9. WELL NO.

2-E

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Sec. 24, T24N, R6W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

N.M.

15. DATE SPUDDED

02-25-80

16. DATE T.D. REACHED

03-08-80

17. DATE COMPL. (Ready to prod.)

04-26-80

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

6588' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6775'

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

6660'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

O-TD

CABLE TOOLS

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

6538-6587': Dakota

25. WAS DIRECTIONAL SURVEY MADE

NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Laterlog, formation Density, Compensated Neutron Gamma Ray

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   |
|-------------|-----------------|----------------|-----------|---------------------------|-----------------|
| 9-5/8"      | 40              | 235'           | 13-3/4"   | 400 sacks Class B         |                 |
| 4-1/2"      | 10.5            | 6775'          | 7-7/8"    | 1st Stage: 450 sx Class H |                 |
|             |                 |                |           | 2nd Stage: 300 sx Pozmix  | & 50 sx Class H |
|             |                 |                |           | 3rd Stage: 200 sx Pozmix  | & 50 sx Class H |

29. LINER RECORD

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

30. TUBING RECORD

| SIZE    | DEPTH SET (MD) | PACKER SET (MD) |
|---------|----------------|-----------------|
| 2-1/16" | 6627'          | none            |

31. PERFORATION RECORD (Interval, size and number)

6587 & 6546: 2 holes w/.40";

6538-6584: 14 holes w/.340".

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| 6538-6587           | (See Attached)                   |

33.\* PRODUCTION

DATE FIRST PRODUCTION

04-26-80

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)

Flow

WELL STATUS (Producing or Shut-In)

Shut-In

| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF. | WATER—BBL.  | GAS-OIL RATIO |
|--------------|--------------|------------|-------------------------|----------|----------|-------------|---------------|
| 04-26-80     | 3            | 1"         |                         |          | 1.5      | heavy spray |               |

| FLOW, TUBING PRESS. | CASING PRESSURE | CALCULATED 24-HOUR RATE | OIL—BBL. | GAS—MCF.   | WATER—BBL.  | OIL GRAVITY-API (CORR.) |
|---------------------|-----------------|-------------------------|----------|------------|-------------|-------------------------|
| 57 psig             | --              |                         | --       | 1.5 MMCF/d | heavy spray |                         |

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

vented

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

J. Gregory Merriam

TITLE

Operator

DATE

05-19-80

ACCEPTED FOR RECORD

MAY 23 1980

FARMINGTON DISTRICT

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

BY

NMOCG

# 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: "Socks 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. |
|-----------|------|--------|-----------------------------|
| Dakota    | 6538 | 6587   | Natural gas, water          |

## 38. GEOLOGIC MARKERS

| NAME        | MEAS. DEPTH | TOP | TRUE VERT. DEPTH |
|-------------|-------------|-----|------------------|
| San Jose    | Surface     |     |                  |
| Ojo Alamo   | 1710'       |     |                  |
| Kirtland    | 1760'       |     |                  |
| Fruitland   | 1968'       |     |                  |
| Pic. Cliffs | 2150'       |     |                  |
| Cliffhouse  | 3638'       |     |                  |
| Pt. Lookout | 4348'       |     |                  |
| Gallup      | 5390'       |     |                  |
| Greenhorn   | 6325'       |     |                  |
| Dakota      | 6500'       |     |                  |

32. Acid, Shot, Fracture, Cement Squeeze, Etc.

Prior to perforations: Spotted 250 gals. 7-1/2% acid across Dakota with 1% KCL water.

Following perforation: Did ball off with 1000 gal. 7-1/2% HCL.  
Fraced Dakota with 950 bbls. Mini-Max III-40 and III-30 gel water w/2% 45° crude oil, 1% KCL, 1/2 gal./1000 bactericide, 1 gal./1000 aquaflo and 80,000# 20/40 sand followed by 36,000# 10/20 sand. Flushed w/104 bbls. 1% KCL water w/5#/1000 FR-2 friction reducer.