

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-B355.5.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-0603-0047

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

#1 Libby-Gates

10. FIELD AND POOL, OR WILDCAT

wildcat

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

5-27N-14W

12. COUNTY OR

PARISH

San Juan

13. STATE

N.M.

## 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 Plugged

2. NAME OF OPERATOR

Curtis J Little and E R Richardson

3. ADDRESS OF OPERATOR

2925 Monte Vista, NE, Albuquerque, N. M. 87106

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

At surface 2310 RX FWL and 330 FWL

At top prod. interval reported below

At total depth same

14. PERMIT NO.

DATE ISSUED

12/5/67

15. DATE SPUDDED

12/8/67

16. DATE T.D. REACHED

12/18/67

17. DATE COMPL. (Ready to prod.)

12/19/67

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

5744 GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

4050

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

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

ROTARY TOOLS

CABLE TOOLS

surface - TD

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

None - P&amp;A

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

None

27. WAS WELL CORED

yes

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              | 147            | 12 1/2    | 70 sx            | none          |
|             |                 |                |           |                  |               |
|             |                 |                |           |                  |               |
|             |                 |                |           |                  |               |

29. LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|---------------|-------------|------|----------------|-----------------|
| none |          |             |               |             | none |                |                 |
|      |          |             |               |             |      |                |                 |
|      |          |             |               |             |      |                |                 |

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

none

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|----------------------------------|
| none                |                                  |
|                     |                                  |
|                     |                                  |
|                     |                                  |

33.\*

PRODUCTION

|                       |                 |                                                                   |                         |          |            |                                    |               |
|-----------------------|-----------------|-------------------------------------------------------------------|-------------------------|----------|------------|------------------------------------|---------------|
| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flow, gas lift, pumping—size and type of pump) |                         |          |            | WELL STATUS (Producing or shut-in) |               |
| none                  |                 |                                                                   |                         |          |            |                                    |               |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                        | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.                         | GAS-OIL RATIO |
|                       |                 |                                                                   | →                       |          |            |                                    |               |
| FLOW, TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                           | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.)            |               |
|                       |                 | →                                                                 |                         |          |            |                                    |               |

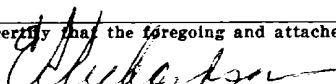
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

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



TITLE

co-operator

DATE

12/26/67

\*(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.

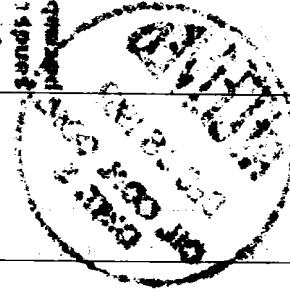
**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**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                           | TOP | TRUE VERT. DEPTH |
|                                                                                                                                                                                                                                                       |     |        | <p>Cored 4055-4507<br/>4055-4507 - Shale<br/>4055-4507 - Laminated thin stringers<br/>sandstones and silt with staining, low<br/>permeability and no porosity</p>  | <p><u>Sample Tops</u><br/>Pictured Cliffs<br/>Logis<br/>Reservoirs<br/>Gallup</p> | <p>450<br/>1100<br/>1760<br/>4055</p> |     |                  |