

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

(See all 4 in-  
structions on  
reverse side)

5. LEASE DESIGNATION AND SURVEY NO.

Contract 129

6. IF INDIAN ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. LEASE AGREEMENT NAME

NA

8. FARM OR LEASE NAME

Apache

9. WELL NO.

31

10. FIELD AND POOL OR WILDCAT

South Blanco P.C.

11. SECTION, T. & R. OF PLAT. AND SURVEY OF AREA

Section 23-T24N-R4W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

14. PREVIOUS CASING HEAD

7043'

WELL COMPLETION OR RECOMPLETION REPORT

1a. TYPE OF WELL  
OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ☐

b. TYPE OF COMPLETION

NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. LVS. ☐ OTHER ☐

2. NAME OF OPERATOR  
Cotton Petroleum Corporation

3. ADDRESS OF OPERATOR  
750 Plamigan Place, 3773 Cherry Creek Drive, Denver, Co

4. LOCATION OF WELL (Report location clearly and in accordance with instructions on reverse side)

At surface

1810' FSL & 640'

At top prod. interval reported below

At total depth

14. PERMIT NO.

U. S. GEOLOGICAL SURVEY  
FARMINGTON DISTRICT

6-11-82

15. DATE SHUT-IN

7-9-82

16. DATE TEST REACHED

7-13-82

17. DATE COMPL. (Ready to prod.)

~~7-17-82~~ 7-23-82

18. ELEVATIONS (SEE FSL, FT. GR. ETC.)

7040' KE

7027' GR

20. TOTAL DEPTH, MD & TVD

3183'

21. PLUG BACK T.D. MD & TVD

3139'

22. IF MULTIPLE COMPLET. HOW MANY?

23. INTERVALS DRILLED BY

POTENTIAL TOOLS

0-TD

CABLE TOOLS

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

3055'-3082' P.C.

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CBL-VDL-GR

27. WAS WELL CURED

No

| CASING RECORD (Report all strings set in well) |                |                |           |                                                                                                  |              |
|------------------------------------------------|----------------|----------------|-----------|--------------------------------------------------------------------------------------------------|--------------|
| CASING SIZE                                    | WEIGHT, LB/FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD                                                                                 | AMOUNT CURED |
| 8-5/8" ✓                                       | 24# ✓          | 137' KB        | 12-1/4" ✓ | 100 sxs Class B w/2" CaCl <sub>2</sub>                                                           | circ to surf |
| 4-1/2" ✓                                       | 10.5# ✓        | 3183' GR       | 7-7/8" ✓  | Lead in slurry of 327 sxs Class G: 25/65 Poz w/6% gel, tail in slurry of 421 sxs Self-Stress cmt | 779.5-3      |

| LINER RECORD |          |             |               |             | TUBING RECORD |                |                 |
|--------------|----------|-------------|---------------|-------------|---------------|----------------|-----------------|
| SIZE         | TOP (MD) | BOTTOM (MD) | SACKS CEMENT* | SCREEN (MD) | SIZE          | DEPTH SET (MD) | PACEER SET (MD) |
|              |          |             |               |             | 2-3/8"        | 3032'          | 3032'           |

| 29. PERFORATION RECORD (Interval, size and number)                     |  | 22. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. |                                  |
|------------------------------------------------------------------------|--|------------------------------------------------|----------------------------------|
| 3055' - 3057' w/2 JSPF; 3062' - 3066' w/2 JSPF; 3078' - 3082' w/1 JSPF |  | DEPTH INTERVAL (MD)                            | AMOUNT AND KIND OF MATERIAL USED |
|                                                                        |  | 3055'-3082'                                    | Acidize w/2500 gal 15% HCL       |

| 33. PRODUCTION        |                 |                                                                      |                         |          |            |                                    |               |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|------------------------------------|---------------|
| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            | WELL STATUS (Producing or shut-in) |               |
| 7-23-82               |                 | Flowing                                                              |                         |          |            | Shut-in                            |               |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.                         | GAS-OIL RATIO |
| 7-25-82               | 24              | 1/4"                                                                 | →                       | 0        | 40.2       | 0                                  |               |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24 HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.)            |               |
| 14                    | 355             | →                                                                    | 0                       | 40.2     | 0          |                                    |               |

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

Vented to be sold

TEST WITNESSED BY

Butch Cummins

35. LIST OF ATTACHMENTS

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

SIGNED

TITLE Division Production Manager

DATE 10-22-82

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

OCT 28 1982

FARMINGTON

S.P.

**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 10:** 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 each interval.

**Item 29:** *“Save a 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 OFF, FLOWING AND SHUT-IN PRESSURE, AND RECOVERIES |       | 38. GEOLOGIC MARKERS |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------|-----------------------------|
| FORMATION                                                                                                                                                                                                                                           | TOP   | BOTTOM               | DESCRIPTION, CONTENTS, ETC. |
| Picture Cliffs                                                                                                                                                                                                                                      | 3052' | 3140'                | No Test                     |
|                                                                                                                                                                                                                                                     |       |                      | Ojo Alamo                   |
|                                                                                                                                                                                                                                                     |       |                      | Fruitland                   |
|                                                                                                                                                                                                                                                     |       |                      | Picture Cliffs              |
|                                                                                                                                                                                                                                                     |       |                      | 2662'                       |
|                                                                                                                                                                                                                                                     |       |                      | 2879'                       |
|                                                                                                                                                                                                                                                     |       |                      | 3052'                       |