

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-15019

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cone Federal

9. WELL NO.

6

10. FIELD AND POOL, OR WILDCAT

Tomahawk, San Andres

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

Section 30, T.7S., R.32E.

12. COUNTY OR  
PARISH

Roosevelt

13. STATE

New Mexico

## 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

SUNDANCE OIL COMPANY

3. ADDRESS OF OPERATOR

Suite 510, 1776 Lincoln St., Denver, CO 80203

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

At surface

660' FSL, 660' FWL

Unit M

At top prod. interval reported below

At total depth Same

14. PERMIT NO.

DATE ISSUED

7/5/78

15. DATE SPUDDED

11/3/78

16. DATE T.D. REACHED

11/11/78

17. DATE COMPL. (Ready to prod.)

12/7/78

18. ELEVATIONS (DF, R&amp;B, RT, GR, ETC.)\*

4411' GL

19. ELEV. CASINGHEAD

Same

20. TOTAL DEPTH, MD &amp; TVD

4285'

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

4243'

22. IF MULTIPLE COMPL.,  
HOW MANY\*

Single

23. INTERVALS  
DRILLED BY

→

ROTARY TOOLS

All

CABLE TOOLS

None

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

4096-4135', P-2 zone of the San Andres Formation

25. WAS DIRECTIONAL  
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Schlumberger SNP, DLL

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"      | 22.36           | 1768           | 12 1/4"   | 600 sx           | None          |
| 4 1/2"      | 10.5            | 4285           | 7 7/8"    | 300 sx           | None          |
|             |                 |                |           |                  |               |
|             |                 |                |           |                  |               |

29. N/A

LINER RECORD

| SIZE | TOP (MD) | BOTTOM (MD) | SCREEN (MD) | SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|------|----------|-------------|-------------|--------|----------------|-----------------|
|      |          |             |             | 2 3/8" | 4229           | N/A             |
|      |          |             |             |        |                |                 |
|      |          |             |             |        |                |                 |

31. PERFORATION RECORD (Interval, size and type)

4096-99' w/2 spf  
4102-05' w/2 spf  
4107-11' w/2 spf  
4123-27' w/2 spf  
4129-35' w/2 spf

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED   |
|---------------------|------------------------------------|
| 4096-4135           | 4000 gal 20% DS-30, 80 ball sealer |
|                     |                                    |
|                     |                                    |

33.\*

PRODUCTION

| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            |                         | WELL STATUS (Producing or shut-in) |  |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|-------------------------|------------------------------------|--|
| 11/25/78              |                 | Pumping                                                              |                         |          |            |                         | Producing                          |  |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.              | GAS-OIL RATIO                      |  |
| 12/7/78               | 24              | N/A                                                                  | →                       | 180      | 35         | 7                       | 194:1                              |  |
| FLOW. TUBING PRESS.   | CASING PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.) |                                    |  |
| N/A                   | N/A             | →                                                                    | 180                     | 35       | 7          | N/A                     |                                    |  |

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

Used on lease pending gas sales contract with Cities Service

TEST WITNESSED BY

Jim Akin

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

Richard O. Dimit

TITLE Vice President, Production

DATE 12/15/78

\*(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 TESTS, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | 38. GEOLOGIC MARKERS |             |                  |
|-----------|-----|--------|-----------------------------|----------------------|-------------|------------------|
|           |     |        |                             | NAME                 | MEAS. DEPTH | TRUE VERT. DEPTH |
|           |     |        | No DST's were run.          | Rustler              | 1741'       | Same             |
|           |     |        |                             | Salado               | 1776'       | Same             |
|           |     |        |                             | Yates                | 2169'       | Same             |
|           |     |        |                             | San Andres           | 3304'       | Same             |
|           |     |        |                             | Pi Marker            | 3854'       | Same             |
|           |     |        |                             | P-1                  | 4008'       | Same             |
|           |     |        |                             | P-2                  | 4086'       | Same             |
|           |     |        |                             | P-3                  | 4199'       | Same             |