

UNITED STATES

SUBMIT IN DUPLICATE

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

NM000 - ARIZONA

NM000 - INDIAN

BLM - SANTA FE

DEPARTMENT OF THE INTERIOR

☒ GEOLOGICAL SURVEY(See other in-  
structions on  
reverse side)

1. CASE DESIGNATION AND SERIAL NO.

NM-0177517

2. INDIAN, ALLOTTEE OR TRIBE NAME

## 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. RESV. ☐ Other ☐

2. NAME OF OPERATOR

PAN AMERICAN PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR

BOX 68, HOBBS, N. M. 88240

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

At surface

1980 FSL &amp; G60 FWH, Sec 14 (Unit L NW 1/4 SW 1/4)

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

CATO B. Federal

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

CATO San Andres

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

14-8-30 NMPM

12. COUNTY OR PARISH

Chaves

13. STATE

N.M.

15. DATE SPUDDED

1-19-67

16. DATE T.D. REACHED

1-26-67

17. DATE COMPL. (Ready to prod.)

2-1-67

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

4127' R.D.B.

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

3600'

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

3576'

22. IF MULTIPLE COMPL., HOW MANY

23. INTERVALS DRILLED BY

ROTARY TOOLS

0-TD

CABLE TOOLS

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

3512-59 San Andres

25. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Density, Laterolog Microlaterolog

27. WAS WELL CORRED

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"             | 450'           | 7 1/8"    | 300              |               |
| 4 1/2"      | 95"             | 3600'          | 7 7/8"    | 800              |               |

29. LINER RECORD

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

30. TUBING RECORD

| SIZE   | DEPTH SET (MD) | PACKER SET (MD) |
|--------|----------------|-----------------|
| 2 3/8" |                |                 |

31. PERFORATION RECORD (Interval, size and number)

3512-59 w/2JSPF

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

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED           |
|---------------------|--------------------------------------------|
| 3512-59             | 3000 gal 28% H <sub>2</sub> O <sub>2</sub> |
|                     | 7000 gal 40,000 gal gel brine              |
|                     | 54,000 lb sand                             |
|                     | 4,000 lb B <sub>2</sub> O <sub>3</sub>     |

33. PRODUCTION

| DATE FIRST PRODUCTION |                 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) |                         |          |            | WELL STATUS (Producing or shut-in) |               |
|-----------------------|-----------------|----------------------------------------------------------------------|-------------------------|----------|------------|------------------------------------|---------------|
| 2-3-67                |                 | Surab                                                                |                         |          |            | Producing                          |               |
| DATE OF TEST          | HOURS TESTED    | CHOKE SIZE                                                           | PROD'N. FOR TEST PERIOD | OIL—BBL. | GAS—MCF.   | WATER—BBL.                         | GAS-OIL RATIO |
| 2-4-67                | 24              | —                                                                    | →                       | 87       | 30         | 238 BLW                            | 347           |
| FLOW. TUBING PRESS.   | CASINO PRESSURE | CALCULATED 24-HOUR RATE                                              | OIL—BBL.                | GAS—MCF. | WATER—BBL. | OIL GRAVITY-API (CORR.)            |               |
| —                     | 325             | →                                                                    |                         |          |            | 26.1                               |               |

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

Vented

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

None

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

SIGNED

TITLE

AREA SUPERINTENDENT

FEB 8 1967

2-7-67

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

04 3-UGS-Ras  
1-N3W  
1-W7  
1-RRy

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, 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:** 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:                                                                                                                                                                                       |     | 38. GEOLOGIC MARKERS |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------------------|------------------|
| 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 |     | TRUE VERT. DEPTH     |                  |
| FORMATION                                                                                                                                                                                                          | TOP | MEAS. DEPTH          | TRUE VERT. DEPTH |
| San Andres 3512                                                                                                                                                                                                    |     | 1570                 |                  |
|                                                                                                                                                                                                                    |     | 2260                 |                  |
|                                                                                                                                                                                                                    |     | 2720                 |                  |
| Oil 40 Gas Prod. Zone 3559                                                                                                                                                                                         |     |                      |                  |
|                                                                                                                                                                                                                    |     |                      |                  |
|                                                                                                                                                                                                                    |     |                      |                  |

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112 CONVENTUAL BROTHERHOOD, 1850-1860