

Submit to Appropriate  
District Office  
State Lease - 6 copies  
Fee Lease - 5 copies  
DISTRICT I  
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II  
7. Drawer DD, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico  
Energy, Minerals and Natural Resources Department

Form C-105  
Revised 1-1-89

OIL CONSERVATION DIVISION  
P.O. Box 2088  
Santa Fe, New Mexico 87504-2088

WELL API NO.

30-015-29790

5. Indicate Type of Lease

STATE ☐

FEE ☒

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

ATOKA SAN ANDRES UNIT

8. Well No.

163

9. Pool name or Wildcat

ATOKA SAN ANDRES

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 ☐

DEEPEN ☐

PLUG  
BACK ☐

DIFF  
RESVR ☐

OTHER ☐

2. Name of Operator

PENNZOIL EXPLORATION & PRODUCTION COMPANY

3. Address of Operator

P O BOX 50090 MIDLAND TEXAS 79710-0090

4. Well Location

Unit Letter N : 1064 Feet From The SOUTH Line and 1649 Feet From The WEST Line

Section 11 Township 18-S Range 26-E NMPM EDDY County

10. Date Spudded

10/19/97

11. Date T.D. Reached

10/25/97

12. Date Compl. (Ready to Prod.)

1/22/98

13. Elevations (DF & RKB, RT, GR, etc.)

3319

14. Elev. Casinghead

15. Total Depth

1804'

16. Plug Back T.D.

1791

17. If Multiple Compl. How  
Many Zones? N/A

18. Intervals  
Drilled By

Rotary Tools  
X

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

1643 - 1685' San Andres

20. Was Directional Survey Made

Yes

21. Type Electric and Other Logs Run

CBL, PE AL MCFL/NGT, PE Three Detector Density Comp. Neutron/NGT

22. Was Well Cored

NO

CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB/FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD               | AMOUNT PULLED |
|-------------|---------------|-----------|-----------|--------------------------------|---------------|
| 8 5/8"      | 24# K-55      | 1031'     | 12 1/4"   | 100 sxs C1 H, 300 sx 35/65 Poz |               |
|             |               |           |           | 250 sxs C1 C                   |               |
| 5 1/2"      | 15.5# K-55    | 1804'     | 7 7/8"    | 350 sxs C1 C                   |               |
|             |               |           |           |                                |               |
|             |               |           |           |                                |               |

24.

LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN |
|------|-----|--------|--------------|--------|
|      |     |        |              |        |
|      |     |        |              |        |

25.

TUBING RECORD

| SIZE   | DEPTH SET | PACKER SET |
|--------|-----------|------------|
| 2 3/8" | 1731.22'  |            |
|        |           |            |

26. Perforation record (interval, size, and number)

1643, 1645, 1646, 1647, 1648, 1649, 1651, 1653,  
1656, 1661, 1679, 1681, 1682, 1683 & 1685 1 JHPF  
(15 holes)

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|-------------------------------|
| 1643 - 1685    | 2000 gals 15% NeFe HCL acid   |
|                | drp. 30 ball sealers          |
|                |                               |

PRODUCTION

|                                  |                    |                                                                                                                     |                           |                  |                 |                                             |                        |
|----------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------|------------------|-----------------|---------------------------------------------|------------------------|
| Date First Production<br>1/22/98 |                    | Production Method (Flowing, gas lift, pumping - Size and type pump)<br>Pumping 2" X 1 1/2" X 10' X 2' PAP 25HVR/BDV |                           |                  |                 | Well Status (Prod. or Shut-in)<br>Producing |                        |
| Date of Test<br>1/27/98          | Hours Tested<br>24 | Choke Size                                                                                                          | Prod'n For<br>Test Period | Oil - Bbl.<br>16 | Gas - MCF<br>10 | Water - Bbl.<br>12                          | Gas - Oil Ratio<br>625 |
| Flow Tubing Press.               | Casing Pressure    | Calculated 24-<br>Hour Rate                                                                                         | Oil - Bbl.                | Gas - MCF        | Water - Bbl.    | Oil Gravity - API - (Corr.)<br>38.2 @ 60°   |                        |

Disposition of Gas (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

30. List Attachments

Directional Survey Various Logs

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature Sharon Hindman

Printed

Name Sharon Hindman

Title Prod. Assistant Date 2/9/98

## INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

## Southeastern New Mexico

## Northwestern New Mexico

| Northwestern New Mexico  |                        |                             |                        |
|--------------------------|------------------------|-----------------------------|------------------------|
| T. Anhy _____            | T. Canyon _____        | T. Ojo Alamo _____          | T. Penn. "B" _____     |
| T. Salt _____            | T. Strawn _____        | T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| B. Salt _____            | T. Atoka _____         | T. Pictured Cliffs _____    | T. Penn. "D" _____     |
| T. Yates _____           | T. Miss _____          | T. Cliff House _____        | T. Leadville _____     |
| T. 7 Rivers _____        | T. Devonian _____      | T. Menefee _____            | T. Madison _____       |
| T. Queen 320 _____       | T. Silurian _____      | T. Point Lookout _____      | T. Elbert _____        |
| T. Grayburg 706 _____    | T. Montoya _____       | T. Mancos _____             | T. McCracken _____     |
| T. San Andres 1020 _____ | T. Simpson _____       | T. Gallup _____             | T. Ignacio Otzte _____ |
| T. Glorieta _____        | T. McKee _____         | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock _____         | T. Ellenburger _____   | T. Dakota _____             | T. _____               |
| T. Blinebry _____        | T. Gr. Wash _____      | T. Morrison _____           | T. _____               |
| T. Tubb _____            | T. Delaware Sand _____ | T. Todilto _____            | T. _____               |
| T. Drinkard _____        | T. Bone Springs _____  | T. Entrada _____            | T. _____               |
| T. Abo _____             | T. _____               | T. Wingate _____            | T. _____               |
| T. Wolfcamp _____        | T. _____               | T. Chinle _____             | T. _____               |
| T. Penn _____            | T. _____               | T. Permian _____            | T. _____               |
| T. Cisco (Bough C) _____ | T. _____               | T. Penn "A" _____           | T. _____               |

## OIL OR GAS SANDS OR ZONES

No. 1, from.....1643.....to.....1685 oil/San Andres No. 3, from.....to.....  
No. 2, from.....to..... No. 4, from.....to.....

## IMPORTANT WATER SANDS

**IMPORTANT WATER**  
Include data on rate of water inflow and elevation to which water rose in hole.  
No. 1 from

No. 1, from.....to.....feet.  
No. 2, from.....to.....feet.  
No. 3, from.....to.....feet.

**LITHOLOGY RECORD** (Attach additional sheet if necessary)

| From | To   | Thickness<br>in Feet | Lithology     |
|------|------|----------------------|---------------|
| 320  | 706  | 386                  | Dolomite Sand |
| 706  | 1020 | 314                  | Dolomite Sand |
| 1020 | 1804 | 784                  | Dolomite      |