

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

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

Form C-105
Revised 1-1-89

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd, Aztec, NM 87410

WELL API NO.
30-015-29987

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name
Harroun 15

8. Well No.
7

9. Pool name or Wildcat *Cedar Canyon*
Pierce Crossing Delaware, E. Delaware

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
Pogo Producing Company

3. Address of Operator
P. O. Box 10340, Midland, TX 79702-7340

4. Well Location
Unit Letter C : 330 Feet From The North Line and 1980 Feet From The West Line
Section 15 Township 24S Range 29E NMPM Eddy County

10. Date Spudded
02/19/98

11. Date T.D. Reached
03/01/98

12. Date Compl. (Ready to Prod.)
03/18/98

13. Elevations (DF & RKB, RT, GR, etc.)
2939' GR

14. Elev. Casinghead
2938'

15. Total Depth
6900'

16. Plug Back T.D.
6600'

17. If Multiple Compl. How Many Zones? ---

18. Intervals Drilled By
Rotary Tools ☒ Cable Tools ☐

19. Producing Interval(s), of this completion - Top, Bottom, Name
5250'-68', 5740'-46', 6260'-64', 6274'-86', 6338'-48' Delaware

20. Was Directional Survey Made
No

21. Type Electric and Other Logs Run
DIL-CNL-CBL

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 |
|-------------|---------------|-----------|-----------|----------------------|---------------|
| 10-3/4 | 40.5# | 513' | 14-3/4 | 500 sxs-circ 150 sxs | |
| 7-5/8 | 26.9# | 2850' | 9-7/8 | 950 sxs-circ 175 sxs | |
| 4-1/2 | 11.6# | 6900' | 6-3/4 | 930 sxs-TOC @ 1650' | |
| | | | | | |
| | | | | | |

| LINER RECORD | | | | TUBING RECORD | | |
|--------------|-----|--------|--------------|---------------|-------|-----------|
| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET |
| | | | | | 2-3/8 | 5160' |
| | | | | | | |

| 26. Perforation record (interval, size, and number) | | | | 27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. | |
|---|---------------------------------|--|--|---|-------------------------------------|
| 5250'-68' (36 - .38" dia holes) | 5740'-46' (12 - .38" dia holes) | | | DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
| 6260'-64' (8 - .38" dia holes) | 6274'-86' (24 - .38" dia holes) | | | 5250'-68' | 1000 gals 7-1/2%-72,000# 16/30 sand |
| 6338'-48' (20 - .38" dia holes) | | | | 5740'-46' | 1000 gals 7-1/2% HCL |
| | | | | 6260'-6348' | 1500 gals 7-1/2% HCL |

28. PRODUCTION

Date First Production
03/19/98

Production Method (Flowing, gas lift, pumping - Size and type pump)
Pumping 1-1/4" insert

Well Status (Prod. or Shut-in)
Producing

Date of Test
07/11/98

Hours Tested
24

Choke Size

Prod'n For Test Period

Oil - BbL.
81

Gas - MCF
62

Water - BbL.
159

Gas - Oil Ratio
765:1

Flow Tubing Press.

Casing Pressure

Calculated 24-Hour Rate

Oil - BbL.
81

Gas - MCF
62

Water - BbL.
159

Oil Gravity - API - (Corr.)
40.8

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

Test Witnessed By
Terry Coor

30. List Attachments
C-104, Logs, Sundries, Deviation Survey

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 Barrett L. Smith Printed Name Barrett L. Smith Title Div. Operations Eng. Date 07/22/98

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 specific 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 to be 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

| | | | |
|--------------------------|------------------------|-----------------------------|------------------------|
| 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 _____ | T. Silurian _____ | T. Point Lookout _____ | T. Elbert _____ |
| T. Grayburg _____ | T. Montoya _____ | T. Mancos _____ | T. McCracken _____ |
| T. San Andres _____ | 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 to No. 3, from ... to
No. 2, from to No. 4, from ... to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

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 in Feet | Lithology |
|------|----|----------------------|-----------------|
| | | 2726.0 | Basal Anhydrite |
| | | 2957.0 | Delaware Lime |
| | | 2978.0 | Bell Canyon |
| | | 3831.0 | Cherry Canyon |
| | | 5037.0 | Brushy Canyon |
| | | 6734.0 | Bone Spring |