

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

| | |
|------------------------|--|
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| SANTA FE | |
| FILE | |
| U.S.G.S. | |
| LAND OFFICE | |
| OPERATOR | |

5a. Indicate Type of Lease
State Fee

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name
Pearl Jordan

9. Well No.
1

10. Field and Pool, or Wildcat
No. Peterson (Penn)

12. County
Roosevelt

1. TYPE OF WELL
OIL WELL GAS WELL DRY OTHER _____

2. TYPE OF COMPLETION
NEW WELL WORK OVER DEEPEN PLUG BACK DIFF. RESVR. OTHER _____

3. Name of Operator
Enserch Exploration, Inc.

4. Address of Operator
P. O. Box 4815, Midland, Texas 79704

6. Location of Well
UNIT LETTER C LOCATED 660 FEET FROM THE North LINE AND 1980 FEET FROM West LINE OF SEC. 21 TWP. 4S RGE. 33E NMPM

15. Date Spudded 3/26/81 16. Date T.D. Reached 4/18/81 17. Date Compl. (Ready to Prod.) 5/15/81 18. Elevations (DF, RKB, RT, GR, etc.) 4353' GR 19. Elev. Casinghead 4354'

20. Total Depth 8220' 21. Plug Back T.D. 8171' 22. If Multiple Compl., How Many -- 23. Intervals Drilled By: Rotary Tools All Cable Tools _____

24. Producing Interval(s), of this completion - Top, Bottom, Name
7804'-8024', Pennsylvanian

25. Was Directional Survey Made No

26. Type Electric and Other Logs Run
BHC-Sonic, CNL/FDC, DLL/Micro-SFL, CBL

27. Was Well Cored No

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT LB./FT. | DEPTH SET | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|----------------|-----------|-----------|--------------------|---------------|
| 13-3/8" | 48# | 348 | 17-1/2" | 460 sx. Circulated | |
| 9-5/8" | 36# | 1983' | 12-1/4" | 990 sx. Circulated | |
| 5-1/2" | 15.5# & 17# | 8220' | 8-3/4" | 425 sx. | |

29. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET | PACKER SET |
|------|-----|--------|--------------|--------|--------|-----------|------------|
| | | | | | 2-3/8" | 8092' | -- |

30. TUBING RECORD

31. Perforation Record (Interval, size and number)

7804'-17', 20 holes, .50" size
8016'-24', 18 holes, .41" size

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|--------------------|--|
| <u>7804'-17'</u> | <u>3000 gals. MOD 202, 10,000 gals. Blend "A" 20.2</u> |
| <u>7804'-8024'</u> | <u>1000 gals. 7-1/2% MCA, 4000 gals. NE FE</u> |

33. PRODUCTION

Date First Production 5/15/81 Production Method (*Flowing, gas lift, pumping - Size and type pump*) Pumping, 2" x 1-1/4" x 24' HF Well Status (*Prod. or Shut-in*) Prod.

| Date of Test | Hours Tested | Choke Size | Prod'n. For Test Period | Oil - Bbl. | Gas - MCF | Water - Bbl. | Gas - Oil Ratio |
|----------------|--------------|------------|-------------------------|------------|-----------|--------------|-----------------|
| <u>5/19/81</u> | <u>24</u> | <u>--</u> | <u>→</u> | <u>27</u> | <u>36</u> | <u>14</u> | <u>1333/1</u> |

| Flow Tubing Press. | Casing Pressure | Calculated 24-Hour Rate | Oil - Bbl. | Gas - MCF | Water - Bbl. | Oil Gravity - API (Corr.) |
|--------------------|-----------------|-------------------------|------------|-----------|--------------|---------------------------|
| <u>--</u> | <u>30#</u> | <u>→</u> | <u>27</u> | <u>36</u> | <u>14</u> | <u>45.2</u> |

34. Disposition of Gas (*Sold, used for fuel, vented, etc.*)
Vented during test.

Test Witnessed By
S. D. Reed & M. V. Selz

35. List of Attachments
Deviation Record, Logs, Plat

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.

SIGNED [Signature] TITLE Production Superintendent DATE 5/21/81

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 reopened 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 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate 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 _____ 1990' | T. Miss _____ 8133' | 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 _____ 3010' | T. Simpson _____ | T. Gallup _____ | T. Ignacio Qtzite _____ |
| T. Glorieta _____ 4266' | T. McKee _____ | Base Greenhorn _____ | T. Granite _____ |
| T. Paddock _____ | T. Ellenburger _____ | T. Dakota _____ | T. _____ |
| T. Blinbry _____ | T. Gr. Wash _____ | T. Morrison _____ | T. _____ |
| T. Tubb _____ 5721' | T. Granite _____ | T. Todilto _____ | T. _____ |
| T. Drinkard _____ | T. Delaware Sand _____ | T. Entrada _____ | T. _____ |
| T. Abo _____ 6460' | T. Bone Springs _____ | T. Wingate _____ | T. _____ |
| T. Wolfcamp _____ 7150' | T. 3 Brothers _____ 7486' | T. Chinle _____ | T. _____ |
| T. Penn _____ | T. _____ | T. Permian _____ | T. _____ |
| T. Cisco (Bough C) _____ 7802' | T. _____ | T. Penn. "A" _____ | T. _____ |

OIL OR GAS SANDS OR ZONES

| | |
|--|----------------------------|
| No. 1, from _____ 7804 _____ to _____ 8024 _____ | No. 4, from _____ to _____ |
| No. 2, from _____ to _____ | No. 5, from _____ to _____ |
| No. 3, from _____ to _____ | No. 6, 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 |
| No. 4, from _____ to _____ | _____ feet |

FORMATION RECORD (Attach additional sheets if necessary)

| From | To | Thickness in Feet | Formation | From | To | Thickness in Feet | Formation |
|-------|------------|-------------------|-----------------------------------|------|----|-------------------|-----------|
| 3010' | 4266' | 1256' | Dolomite & Anhydrite | | | | |
| 4266' | 5721' | 1455' | Dolomite & Shale w/Thin Sands | | | | |
| 5721' | 6460' | 739' | Shale, Sand, Siltstones | | | | |
| 6460' | 7150' | 690' | Red & Green Shale | | | | |
| 7150' | 7486' | 336' | Limestone & Shale | | | | |
| 7486' | 7802' | 316' | Limestone w/Black Shale | | | | |
| 7802' | 8133' | 331' | Limestone, Shale, Thin Sandstones | | | | |
| 8133' | 8220' (TD) | 87' | Chalky Limestone & Chert | | | | |