

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               |  |
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| LAND OFFICE            |  |
| OPERATOR               |  |

|                                |                                         |
|--------------------------------|-----------------------------------------|
| 3a. Indicate Type of Lease     |                                         |
| State <input type="checkbox"/> | Fee <input checked="" type="checkbox"/> |

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

Ferrill

9. Well No.

Hazel No. 1

10. Field and Pool, or Willacott

Wildcat

12. County

Santa Fe

15. Date Spudded

Oct. 30, 1984

16. Date T.D. Reached

Jan. 11, 1985

17. Date Compl. (Ready to Prod.)

Feb. 4, 1985

18. Elevations (DF, RKB, RT, GR, etc.)

5884 GR

19. Elev. Casinghead

20. Total Depth

3696'

21. Plug Back T.D.

2850'

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

0-3696'

Cable Tools

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

2740 - 60

25. Was Directional Survey Made

no

26. Type Electric and Other Logs Run

Dual Induction Guard Log, Compensated Density - Neutron

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 |
|-------------|----------------|-----------|-----------|--------------------------|---------------|
| 9-5/8"      | 36 #           | 364       | 12"       | To surface               | 0             |
| 7"          | 23 #           | 1820'     | 8-5/8"    | 200 sks 50/50 Pos to sur | 0             |
| 4-1/2"      | 9.5 #          | 2852'     | 6-1/4"    | 350 sks 50/50 Pos        | 0             |

29. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE | DEPTH SET | PACKER SET |
|------|-----|--------|--------------|--------|------|-----------|------------|
|      |     |        |              |        |      |           |            |

31. Perforation Record (Interval, size and number)

2740 - 60 Two holes per foot

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|-------------------------------|
| 2740-60        | 13 bbls acid                  |
| 2740-60        | Nitrogen frac 70 quality      |
|                | 22,800 gallon KCL, 65,000#    |
|                | sand, 1,335,652 SCF Nit.      |

3. PRODUCTION

|                       |                 |                                                                     |                         |            |              |                                |                 |
|-----------------------|-----------------|---------------------------------------------------------------------|-------------------------|------------|--------------|--------------------------------|-----------------|
| Date First Production |                 | Production Method (Flowing, gas lift, pumping - Size and type pump) |                         |            |              | Well Status (Prod. or Shut-in) |                 |
| NA                    |                 | NA                                                                  |                         |            |              | P & A                          |                 |
| Date of Test          | Hours Tested    | Choke Size                                                          | Prod'n. For Test Period | Oil - Bbl. | Gas - MCF    | Water - Bbl.                   | Gas - Oil Ratio |
| 2-1 to 2-4-85         | swabbed         | 1/2"                                                                |                         | 8          |              |                                | -               |
| Flow Tubing Press.    | Casing Pressure | Calculated 24-Hour Rate                                             | Oil - Bbl.              | Gas - MCF  | Water - Bbl. | Oil Gravity - API (Corr.)      |                 |
|                       |                 |                                                                     | 2                       | TSTM       | 2            |                                |                 |

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

5. List of Attachments

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 President Date February 11, 1985

## 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 30 through 34 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

## Galisteo

## Surface

|                          |                        |                             |                        |
|--------------------------|------------------------|-----------------------------|------------------------|
| T. Anhy _____            | T. Canyon _____        | T. Ojo Alamo _____          | T. Penn. "B" _____     |
| T. Salt _____            | T. Strawn _____        | T. Kirtland-Fruitland _____ | T. Penn. "C" _____     |
| T. 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 1470'      | T. Elbert _____        |
| T. Grayburg _____        | T. Montoya _____       | T. Mancos 1570'             | T. McCracken _____     |
| T. San Andres _____      | T. Simpson _____       | T. Gallup 2050'             | T. Ignacio Qtzte _____ |
| T. Glorieta _____        | T. McKee _____         | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock _____         | T. Ellenburger _____   | T. Dakota _____             | T. _____               |
| T. Elinebry _____        | T. Gr. Wash _____      | T. Morrison _____           | T. _____               |
| T. Tubb _____            | T. Granite _____       | T. Todilto _____            | T. _____               |
| T. Drinkard _____        | T. Delaware Sand _____ | T. Entrada _____            | T. _____               |
| T. Abo _____             | T. Bone Springs _____  | 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 2740 _____ to 2760 _____ | 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 None _____ 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<br>in Feet | Formation     | From | To | Thickness<br>in Feet | Formation |
|------|------|----------------------|---------------|------|----|----------------------|-----------|
| 0    | 1470 | 1470                 | Galisteo      |      |    |                      |           |
| 1470 | 1570 | 100                  | Point Lookout |      |    |                      |           |
| 1510 | 2050 | 480                  | Mancos        |      |    |                      |           |
| 2050 | 2760 | 710                  | Niobrara      |      |    |                      |           |
| 2760 | 3700 | 940                  | Lower Mancos  |      |    |                      |           |