

## OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

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## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

|                                           |                              |
|-------------------------------------------|------------------------------|
| 5a. Indicate Type of Lease                |                              |
| State <input checked="" type="checkbox"/> | Fee <input type="checkbox"/> |
| 5. State Oil & Gas Lease No.              |                              |
| E-178-1                                   |                              |

## 1a. TYPE OF WELL

OIL WELL ☐GAS WELL ☒DRY ☐

## b. TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESVR. ☐

## 2. Name of Operator

Blackwood &amp; Nichols Company, Ltd.

## 3. Address of Operator

P.O. Box 1237, Durango, CO 81302

## 4. Location of Well

UNIT LETTER D LOCATED 990 FEET FROM THE North LINE AND 990 FEET FROMTHE West LINE OF SEC. 16 TWP. 31N RGE. 7W NMPM

## 15. Date Spudded

7-20-85

## 16. Date T.D. Reached

7-24-85

## 17. Date Compl. (Ready to Prod.)

9-6-85

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

6638' GR

## 19. Elev. Casinghead

6640'

## 20. Total Depth

3346'

## 21. Plug Back T.D.

3346'

## 22. If Multiple Compl., How Many

## 23. Intervals Drilled By

Rotary Tools

## Cable Tools

TD

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

Fruitland 3200' to 3346' (open hole)

## 25. Was Directional Survey Made

Yes

## 26. Type Electric and Other Logs Run

Gamma Ray, 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"      | 36.0 H-40      | 223'      | 12 1/4"   | 236 cf Class B                          | Circulated                 |
| 7"          | 23.0 N-80      | 3200'     | 8 3/4"    | 729 cf HowcoLite<br>118 cf Class B Neat | Temp. Survey<br>Top - 200' |

## 29. LINER RECORD

| SIZE | TOP | BOTTOM | SACKS CEMENT | SCREEN | SIZE  | DEPTH SET | PACKER SET |
|------|-----|--------|--------------|--------|-------|-----------|------------|
|      |     |        |              |        | 2 3/8 | 3314'     |            |

## 30. TUBING RECORD

## 31. Perforation Record (Interval, size and number)

No perforations;  
Open Hole from 3200' to 3346'

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

| DEPTH INTERVAL | AMOUNT AND KIND MATERIAL USED |
|----------------|-------------------------------|
| 3200' - 3346'  | No stimulation                |

## 33. PRODUCTION

|                       |                 |                                                                     |                         |            |              |                                |                 |
|-----------------------|-----------------|---------------------------------------------------------------------|-------------------------|------------|--------------|--------------------------------|-----------------|
| Date First Production |                 | Production Method (Flowing, gas lift, pumping - Size and type pump) |                         |            |              | Well Status (Prod. or Shut-in) |                 |
| Not Connected         |                 | Flowing                                                             |                         |            |              | Shut In                        |                 |
| Date of Test          | Hours Tested    | Choke Size                                                          | Prod'n. For Test Period | Oil - Bbl. | Gas - MCF    | Water - Bbl.                   | Gas - Oil Ratio |
| 9-16-85               | 3 hours         | 3/16"                                                               |                         |            | 261          |                                |                 |
| Flow Tubing Press.    | Casing Pressure | Calculated 24-Hour Rate                                             | Oil - Bbl.              | Gas - MCF  | Water - Bbl. | Oil Gravity - API (Corr.)      |                 |
| 111 psig              | 1275 psig       |                                                                     |                         | 87         |              |                                |                 |

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

To be connected to Northwest Pipeline Corporation

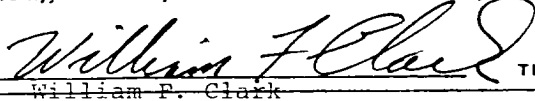
## Test Witnessed By

Ron Thompson

## 35. List of Attachments

## 36. 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

  
William F. Clark

TITLE Petroleum Engineer

DATE October 3, 1985

## INSTRUCTIONS

This form is to be filled 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

|                          |                        |                             |                        |
|--------------------------|------------------------|-----------------------------|------------------------|
| 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 Qtzte _____ |
| T. Glorieta _____        | T. McKee _____         | Base Greenhorn _____        | T. Granite _____       |
| T. Paddock _____         | T. Ellenburger _____   | T. Dakota _____             | T. _____               |
| T. Blinbry _____         | 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 \_\_\_\_\_ to \_\_\_\_\_ 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<br>in Feet | Formation | From | To | Thickness<br>in Feet | Formation |
|------|------|----------------------|-----------|------|----|----------------------|-----------|
| 2416 | 2560 | 144'                 | Ojo Alamo |      |    |                      |           |
| 2560 | 3166 | 606'                 | Kirtland  |      |    |                      |           |
| 3166 |      |                      | Fruitland |      |    |                      |           |