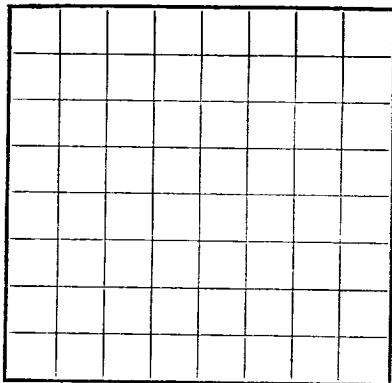
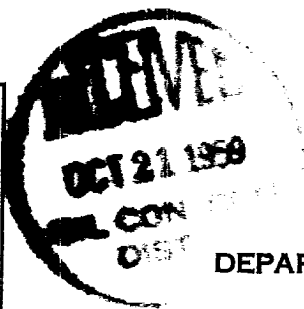




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe

SERIAL NUMBER 079045

LEASE OR PERMIT TO PROSPECT

H E Blanco Unit Agent No. 1, Sec. 929  
UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

OCT 20 1959

DAPOTA-MESAVERDE DUAL

## LOG OF OIL OR GAS WELL

Company Blackwood & Nichols Company Address P. O. Box 1237, Durango, Colorado~~Section~~ Tract 11 Field H E Blanco State New MexicoWell No. 57-21 Sec. 21 T. 31N R. 7W Meridian NM County San JuanLocation 860 ft. ~~W~~ S of N Line and 1630 ft. ~~E~~ W of E Line of Section 21 Elevation 6405'  
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Delasse Loos Original Signed Delasse LoosDate October 15, 1959 Title Field Superintendent

The summary on this page is for the condition of the well at above date.

Commenced drilling August 15, 1959 Finished drilling September 18, 1959

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2810' to 3150' (G) No. 4, from 5325' to 5495' (G)No. 2, from 3150' to 3380' (G) No. 5, from 5495' to 5610' (G)No. 3, from 5275' to 5325' (G) No. 6, from 7780' to 7880' (G)

## IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

## CASING RECORD

| Size casing                                                                       | Weight per foot | Threads per inch | Make | Amount | Kind of shoe | Cut and pulled from | Perforated |     | Purpose      |
|-----------------------------------------------------------------------------------|-----------------|------------------|------|--------|--------------|---------------------|------------|-----|--------------|
|                                                                                   |                 |                  |      |        |              |                     | From—      | To— |              |
| 10-3/4                                                                            | 32.75           | 8 rd             | CPI  | 189'   | Box Pat      |                     |            |     | Surface      |
| 7-5/8                                                                             | 24.00           | 8 rd             | CPI  | 189'   | Box Pat      |                     |            |     | Intermediate |
| 5-1/2                                                                             | 18.75           | 8 rd             | CPI  | 189'   | Box Pat      |                     |            |     | Production   |
| 2-3/8                                                                             | 4.60            | 10 rd            | CPI  | 189'   | Box Pat      |                     |            |     | Production   |
| 1"                                                                                | 1.7             | 10 rd            | CPI  | 189'   | Box Pat      |                     |            |     | Tubing       |
| Above includes 16 Jts (490-53') of 2-3/8" 4.75 235 10 rd Fiberglass coated tubing |                 |                  |      |        |              |                     |            |     |              |

## MUDDING AND CEMENTING RECORD thru Mesaverde Zone.

| Size casing                                  | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used  |
|----------------------------------------------|-----------|------------------------|-------------|-------------|---------------------|
| 10-3/4                                       | 202'      | 180                    | Pump & Plug | Water       | Cement circulated   |
| 7-5/8                                        | 3505'     | 186                    | " "         | " "         | Top cement at 2040' |
| 5-1/2                                        | 7925'     | 467                    | " "         | " "         | Top cement at 3500' |
| Spaced 3/4" with additional 100 sacks cement |           |                        |             |             |                     |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_

Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

| Size                                                                               | Shell used | Explosive used | Quantity | Date | Depth shot | Depth cleaned out |
|------------------------------------------------------------------------------------|------------|----------------|----------|------|------------|-------------------|
| Sand-water fraced the Dakota Formation & Mesaverde Group thru casing perforations. |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing \_\_\_\_\_, 19\_\_\_\_

The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. Gravity, °Bé. \_\_\_\_\_

If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_

Rock pressure, lbs. per sq. in. \_\_\_\_\_

5190 MCF Mesaverde Pitot Potential

1235 MCF Dakota Pitot Potential

## EMPLOYEES

2913 PSI SI Tubing - Dakota Potential \_\_\_\_\_, Driller

1090 PSI SI Casing - Mesaverde Potential \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO—   | TOTAL FEET | FORMATION             |
|-------|-------|------------|-----------------------|
| 0'    | 980'  | 980        | San Jose              |
| 980'  | 2220' | 1240       | Animas                |
| 2220' | 2340' | 120        | Ojo Alamo ss          |
| 2340' | 2810' | 470        | Kirtland              |
| 2810' | 3150' | 340        | Fruitland ss          |
| 3150' | 3380' | 230        | Pictured Cliffs ss    |
| 3380' | 5275' | 1895       | Lewis Shale           |
| 5275' | 5325' | 50         | Massive Cliffhouse ss |
| 5325' | 5495' | 170        | Mesafee Shale         |
| 5495' | 5610' | 115        | Point Lockout ss      |
| 5610' | 6820' | 1210       | Mameos Shale          |
| 6820' | 7210' | 390        | Gallop ss             |
| 7210' | 7265' | 55         | Middle Mameos Shale   |
| 7265' | 7320' | 55         | Sanostee ss           |
| 7320' | 7440' | 120        | Lower Mameos Shale    |
| 7440' | 7595' | 155        | Greenhorn ls          |
| 7595' | 7780' | 185        | Graneros Shale        |
| 7780' | 7880' | 100        | Dakota ss             |
| 7880' | - -   | - -        | Lower Dakota ss       |

**FORMATION RECORD—Continued**[illegible]

### HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked," or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

## CASING RECORD

WILSONVILLE AVIATION SANDS

**OIL OR GAS SANDS OR ZONES**

The material on this page is for the completion of the report to be made later.

TOP OF OF OF CASE LEFT

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

PLEASE OR REFUSE TO DISOBEY

ZERIVT ZABFB

ASSISTANT OFFICE

Убийство: 61100 13-31-00  
Возраст: 140 45-46.24