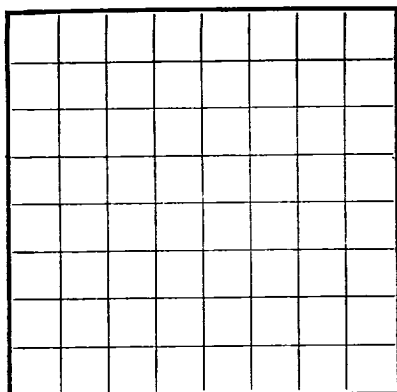




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa FeSERIAL NUMBER 079082

LEASE OR PERMIT TO PROSPECT

N E Blanco Unit Agreement No. 1,UNITED STATES Sec. 929

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

SEP 12 1957  
U.S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

## LOG OF OIL OR GAS WELL

Company Blackwood & Nichols Company Address P. O. Box 1237, Durango, Colorado~~Block~~ or Tract 16-A Field Blanco Mesaverde State New MexicoWell No. 50-25 Sec. 25 T 31 N R. 8 W Meridian NMPM County San JuanLocation 990 ft. <sup>[N.]</sup> of S Line and 990 ft. <sup>[E.]</sup> of W Line of Section 25 Elevation 6380'  
(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. Original Signed \_\_\_\_\_  
Signed by Delasse Loos Delasse LoosDate September 3, 1957 Title Field Superintendent

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

Commenced drilling July 8, 1957 Finished drilling August 3, 1957

## OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3100' to 3290' (G) No. 4, from 5270' to 5575' (G)No. 2, from 3290' to 3570' (G) No. 5, from 5575' to 5745' (G)No. 3, from 5220' to 5270' (G) No. 6, from \_\_\_\_\_ to \_\_\_\_\_

## 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           | 8rd              | CP&I | 159'   | Tex. Pat.    |                     |            |     | Surface      |
| 7-5/8                      | 26.40           | 8rd              | CP&I | 338'   | Plain        |                     |            |     | Intermediate |
| 5-1/2                      | 18.50           | 8rd              | CP&I | 5793'  | Plain        |                     |            |     | Production   |
| 2-3/8                      | 4.17            | 8rd              | CP&I | 5793'  | Plain        |                     |            |     | Tubing       |
| HISTORY OF OIL OR GAS WELL |                 |                  |      |        |              |                     |            |     |              |

## MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used  |
|-------------|-----------|------------------------|-------------|-------------|---------------------|
| 10-3/4      | 173'      | 200                    | Pump & plug | Water       | Cement circulated   |
| 7-5/8       | 3579'     | 225                    | " "         | " "         | " "                 |
| 5-1/2       | 5744'     | 150                    | " "         | " "         | Top cement at 3925' |

## 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 Mesaverde Group thru casing perforations. |            |                |          |      |            |                   |
|                                                                 |            |                |          |      |            |                   |
|                                                                 |            |                |          |      |            |                   |

## TOOLS USED

Rotary tools were used from 0 feet to 5745 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

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

## DATES

\_\_\_\_\_, 19\_\_\_\_ Put to producing Not connected, 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 8,582 MCF (AOF) Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_Rock pressure, lbs. per sq. in. 1024 Rate of flow thru 3/4" choke after 3 hrs: \_\_\_\_\_EMPLOYEES 3765 MCFPD

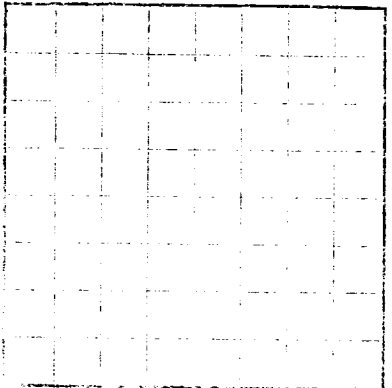
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

\_\_\_\_\_, Driller \_\_\_\_\_, Driller

## FORMATION RECORD

| FROM— | TO—   | TOTAL FEET | FORMATION             |
|-------|-------|------------|-----------------------|
| 0'    | 1180' | 1180       | San Jose              |
| 1180' | 2180' | 1000       | Animas                |
| 2180' | 2310' | 130        | Ojo Alamo SS          |
| 2310' | 3100' | 790        | Kirtland              |
| 3100' | 3290' | 190        | Fruitland SS          |
| 3290' | 3570' | 280        | Pictured Cliffs SS    |
| 3570' | 5220' | 1650       | Lewis Shale           |
| 5220' | 5270' | 50         | Massive Cliffhouse SS |
| 5270' | 5575' | 305        | Menefee Shale         |
| 5575' | 5745' | 170        | Point Lookout SS      |
| 5745' | —     | —          | Mancos Shale          |

FORMATION RECORD—Continued



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

UNITED STATES

PLEASE OR PERMIT TO PROSPECT  
SPRINK NUMBER  
U.S. LANDS OFFICE

Approved by  
Approved by

The information given here is a complete and correct record of the well and all work done thereon so far as can be determined from all available records. Original signed by District Engineer. The information given here is a complete and correct record of the well and all work done thereon so far as can be determined from all available records. Original signed by District Engineer.

OIL OR GAS SANDS OR LENSES

(Denote feet by G)

No. 1 from 1100' to 1200' No. 4 from 1200' to 1300' No. 5 from 1300' to 1400' No. 6 from 1400' to 1500'

IMPORTANT WATER SANDS

No. 1 from 1500' to 1600' No. 2 from 1600' to 1700' No. 3 from 1700' to 1800' No. 4 from 1800' to 1900'

CASING RECORD

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 the 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 pipes or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

| FROM  |        | TO    |        | TOTAL FEET |       | FORMATION |        |
|-------|--------|-------|--------|------------|-------|-----------|--------|
| 1100' | 1200'  | 1100' | 1200'  | 100'       | 1100' | 1100'     | 1200'  |
| 1200' | 1300'  | 1200' | 1300'  | 100'       | 1200' | 1200'     | 1300'  |
| 1300' | 1400'  | 1300' | 1400'  | 100'       | 1300' | 1300'     | 1400'  |
| 1400' | 1500'  | 1400' | 1500'  | 100'       | 1400' | 1400'     | 1500'  |
| 1500' | 1600'  | 1500' | 1600'  | 100'       | 1500' | 1500'     | 1600'  |
| 1600' | 1700'  | 1600' | 1700'  | 100'       | 1600' | 1600'     | 1700'  |
| 1700' | 1800'  | 1700' | 1800'  | 100'       | 1700' | 1700'     | 1800'  |
| 1800' | 1900'  | 1800' | 1900'  | 100'       | 1800' | 1800'     | 1900'  |
| 1900' | 2000'  | 1900' | 2000'  | 100'       | 1900' | 1900'     | 2000'  |
| 2000' | 2100'  | 2000' | 2100'  | 100'       | 2000' | 2000'     | 2100'  |
| 2100' | 2200'  | 2100' | 2200'  | 100'       | 2100' | 2100'     | 2200'  |
| 2200' | 2300'  | 2200' | 2300'  | 100'       | 2200' | 2200'     | 2300'  |
| 2300' | 2400'  | 2300' | 2400'  | 100'       | 2300' | 2300'     | 2400'  |
| 2400' | 2500'  | 2400' | 2500'  | 100'       | 2400' | 2400'     | 2500'  |
| 2500' | 2600'  | 2500' | 2600'  | 100'       | 2500' | 2500'     | 2600'  |
| 2600' | 2700'  | 2600' | 2700'  | 100'       | 2600' | 2600'     | 2700'  |
| 2700' | 2800'  | 2700' | 2800'  | 100'       | 2700' | 2700'     | 2800'  |
| 2800' | 2900'  | 2800' | 2900'  | 100'       | 2800' | 2800'     | 2900'  |
| 2900' | 3000'  | 2900' | 3000'  | 100'       | 2900' | 2900'     | 3000'  |
| 3000' | 3100'  | 3000' | 3100'  | 100'       | 3000' | 3000'     | 3100'  |
| 3100' | 3200'  | 3100' | 3200'  | 100'       | 3100' | 3100'     | 3200'  |
| 3200' | 3300'  | 3200' | 3300'  | 100'       | 3200' | 3200'     | 3300'  |
| 3300' | 3400'  | 3300' | 3400'  | 100'       | 3300' | 3300'     | 3400'  |
| 3400' | 3500'  | 3400' | 3500'  | 100'       | 3400' | 3400'     | 3500'  |
| 3500' | 3600'  | 3500' | 3600'  | 100'       | 3500' | 3500'     | 3600'  |
| 3600' | 3700'  | 3600' | 3700'  | 100'       | 3600' | 3600'     | 3700'  |
| 3700' | 3800'  | 3700' | 3800'  | 100'       | 3700' | 3700'     | 3800'  |
| 3800' | 3900'  | 3800' | 3900'  | 100'       | 3800' | 3800'     | 3900'  |
| 3900' | 4000'  | 3900' | 4000'  | 100'       | 3900' | 3900'     | 4000'  |
| 4000' | 4100'  | 4000' | 4100'  | 100'       | 4000' | 4000'     | 4100'  |
| 4100' | 4200'  | 4100' | 4200'  | 100'       | 4100' | 4100'     | 4200'  |
| 4200' | 4300'  | 4200' | 4300'  | 100'       | 4200' | 4200'     | 4300'  |
| 4300' | 4400'  | 4300' | 4400'  | 100'       | 4300' | 4300'     | 4400'  |
| 4400' | 4500'  | 4400' | 4500'  | 100'       | 4400' | 4400'     | 4500'  |
| 4500' | 4600'  | 4500' | 4600'  | 100'       | 4500' | 4500'     | 4600'  |
| 4600' | 4700'  | 4600' | 4700'  | 100'       | 4600' | 4600'     | 4700'  |
| 4700' | 4800'  | 4700' | 4800'  | 100'       | 4700' | 4700'     | 4800'  |
| 4800' | 4900'  | 4800' | 4900'  | 100'       | 4800' | 4800'     | 4900'  |
| 4900' | 5000'  | 4900' | 5000'  | 100'       | 4900' | 4900'     | 5000'  |
| 5000' | 5100'  | 5000' | 5100'  | 100'       | 5000' | 5000'     | 5100'  |
| 5100' | 5200'  | 5100' | 5200'  | 100'       | 5100' | 5100'     | 5200'  |
| 5200' | 5300'  | 5200' | 5300'  | 100'       | 5200' | 5200'     | 5300'  |
| 5300' | 5400'  | 5300' | 5400'  | 100'       | 5300' | 5300'     | 5400'  |
| 5400' | 5500'  | 5400' | 5500'  | 100'       | 5400' | 5400'     | 5500'  |
| 5500' | 5600'  | 5500' | 5600'  | 100'       | 5500' | 5500'     | 5600'  |
| 5600' | 5700'  | 5600' | 5700'  | 100'       | 5600' | 5600'     | 5700'  |
| 5700' | 5800'  | 5700' | 5800'  | 100'       | 5700' | 5700'     | 5800'  |
| 5800' | 5900'  | 5800' | 5900'  | 100'       | 5800' | 5800'     | 5900'  |
| 5900' | 6000'  | 5900' | 6000'  | 100'       | 5900' | 5900'     | 6000'  |
| 6000' | 6100'  | 6000' | 6100'  | 100'       | 6000' | 6000'     | 6100'  |
| 6100' | 6200'  | 6100' | 6200'  | 100'       | 6100' | 6100'     | 6200'  |
| 6200' | 6300'  | 6200' | 6300'  | 100'       | 6200' | 6200'     | 6300'  |
| 6300' | 6400'  | 6300' | 6400'  | 100'       | 6300' | 6300'     | 6400'  |
| 6400' | 6500'  | 6400' | 6500'  | 100'       | 6400' | 6400'     | 6500'  |
| 6500' | 6600'  | 6500' | 6600'  | 100'       | 6500' | 6500'     | 6600'  |
| 6600' | 6700'  | 6600' | 6700'  | 100'       | 6600' | 6600'     | 6700'  |
| 6700' | 6800'  | 6700' | 6800'  | 100'       | 6700' | 6700'     | 6800'  |
| 6800' | 6900'  | 6800' | 6900'  | 100'       | 6800' | 6800'     | 6900'  |
| 6900' | 7000'  | 6900' | 7000'  | 100'       | 6900' | 6900'     | 7000'  |
| 7000' | 7100'  | 7000' | 7100'  | 100'       | 7000' | 7000'     | 7100'  |
| 7100' | 7200'  | 7100' | 7200'  | 100'       | 7100' | 7100'     | 7200'  |
| 7200' | 7300'  | 7200' | 7300'  | 100'       | 7200' | 7200'     | 7300'  |
| 7300' | 7400'  | 7300' | 7400'  | 100'       | 7300' | 7300'     | 7400'  |
| 7400' | 7500'  | 7400' | 7500'  | 100'       | 7400' | 7400'     | 7500'  |
| 7500' | 7600'  | 7500' | 7600'  | 100'       | 7500' | 7500'     | 7600'  |
| 7600' | 7700'  | 7600' | 7700'  | 100'       | 7600' | 7600'     | 7700'  |
| 7700' | 7800'  | 7700' | 7800'  | 100'       | 7700' | 7700'     | 7800'  |
| 7800' | 7900'  | 7800' | 7900'  | 100'       | 7800' | 7800'     | 7900'  |
| 7900' | 8000'  | 7900' | 8000'  | 100'       | 7900' | 7900'     | 8000'  |
| 8000' | 8100'  | 8000' | 8100'  | 100'       | 8000' | 8000'     | 8100'  |
| 8100' | 8200'  | 8100' | 8200'  | 100'       | 8100' | 8100'     | 8200'  |
| 8200' | 8300'  | 8200' | 8300'  | 100'       | 8200' | 8200'     | 8300'  |
| 8300' | 8400'  | 8300' | 8400'  | 100'       | 8300' | 8300'     | 8400'  |
| 8400' | 8500'  | 8400' | 8500'  | 100'       | 8400' | 8400'     | 8500'  |
| 8500' | 8600'  | 8500' | 8600'  | 100'       | 8500' | 8500'     | 8600'  |
| 8600' | 8700'  | 8600' | 8700'  | 100'       | 8600' | 8600'     | 8700'  |
| 8700' | 8800'  | 8700' | 8800'  | 100'       | 8700' | 8700'     | 8800'  |
| 8800' | 8900'  | 8800' | 8900'  | 100'       | 8800' | 8800'     | 8900'  |
| 8900' | 9000'  | 8900' | 9000'  | 100'       | 8900' | 8900'     | 9000'  |
| 9000' | 9100'  | 9000' | 9100'  | 100'       | 9000' | 9000'     | 9100'  |
| 9100' | 9200'  | 9100' | 9200'  | 100'       | 9100' | 9100'     | 9200'  |
| 9200' | 9300'  | 9200' | 9300'  | 100'       | 9200' | 9200'     | 9300'  |
| 9300' | 9400'  | 9300' | 9400'  | 100'       | 9300' | 9300'     | 9400'  |
| 9400' | 9500'  | 9400' | 9500'  | 100'       | 9400' | 9400'     | 9500'  |
| 9500' | 9600'  | 9500' | 9600'  | 100'       | 9500' | 9500'     | 9600'  |
| 9600' | 9700'  | 9600' | 9700'  | 100'       | 9600' | 9600'     | 9700'  |
| 9700' | 9800'  | 9700' | 9800'  | 100'       | 9700' | 9700'     | 9800'  |
| 9800' | 9900'  | 9800' | 9900'  | 100'       | 9800' | 9800'     | 9900'  |
| 9900' | 10000' | 9900' | 10000' | 100'       | 9900' | 9900'     | 10000' |

NAME OF LOG