

U. S. LAND OFFICE Santa FeSERIAL NUMBER 079043

LEASE OR PERMIT TO PROSPECT

Unit Agreement No. 1, Sec. 929

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Blackwood & Nichols Company Address P. O. Box 1237, Durango, ColoradoSection or Tract 10 Field Blanco Mesaverte State New MexicoWell No. 54-33 Sec. 33 T. 31N R. 7W Meridian NMP County San JuanLocation 2580 ft. S. of N Line and 1135 ft. W. of E Line of Section 33 Elevation 6316'
(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 DeLasse LoosDate June 28, 1957 Title Field Superintendent

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

Commenced drilling April 27, 1957 Finished drilling June 18, 1957

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3000' to 3190' (G) No. 4, from 5220' to 5455' (G)No. 2, from 3190' to 3445' (G) No. 5, from 5455' to 5610' (G)No. 3, from 5185' to 5220' (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 | 8 rd | CPAI | 154' | Top, Pat | | | | Surface |
| 7 5/8 | 28.40 | 8 rd | CPAI | 1065' | Pat | | | | Intermediate |
| 5 1/2 | 19.50 | 8 rd | CPAI | 5495' | Pat | | | | Production |
| 2 3/8 | 11.7 | 8 rd | CPAI | 5495' | Pat | | 5185' | 5592' | Tubing |

MUDDING AND CEMENTING RECORD

| Size casing | Where set | Number sacks of cement | Method used | Mud gravity | Amount of mud used |
|-------------|-----------|------------------------|-------------|-------------|---------------------|
| 10 3/4 | 169' | 200 | Pump & Plug | Water | Cement Circulated |
| 7 5/8 | 3475' | 225 | • • • | | |
| 5 1/2 | 5654' | 150 | • • • | | Top cement at 3700' |

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 Mesaverte Group thru casing perforation. | | | | | | |

TOOLS USED

Rotary tools were used from 0' feet to 5654' 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 11,359 MCF (XOP) Gallons gasoline per 1,000 cu. ft. of gas _____Rock pressure, lbs. per sq. in. 1098 Rate of flow thru 3/4" choke after 3 hours OVER 11 MCFPD

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

| FROM— | TO— | TOTAL FEET | FORMATION |
|-------|-------|------------|-----------------------|
| 0' | 1105' | 1105 | San Jose |
| 1105' | 2160' | 1055 | Animas |
| 2160' | 2320' | 160 | Ojo Alamo SS |
| 2320' | 3000' | 680 | Kirtland |
| 3000' | 3190' | 190 | Fruitland SS |
| 3190' | 3445' | 255 | Pictured Cliffs SS |
| 3445' | 5180' | 1735 | Lewis Shale |
| 5180' | 5220' | 40 | Massive Cliffhouse SS |
| 5220' | 5455' | 235 | Menafee Shale |
| 5455' | 5610' | 155 | Point Lookout SS |
| 5610' | -- | | Mancos Shale |

