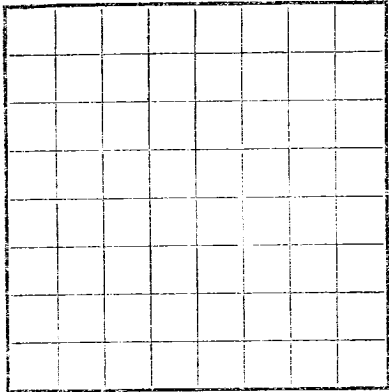




LOCATE WELL CORRECTLY



U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NH 03357
LEASE OR PERMIT TO PROSPECT
N E Blanco Unit Agrmt. No. 1, Sec. 929
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Blackwood & Nichols Company Address P.O. Box 1237, Durango, Colorado
~~Reservoir~~ Tract 20 Field Blanco Mesaverde State New Mexico
Well No. 62-30 Sec. 30 T. 31N R. 6W Meridian NRM County Hio Arriba
Location 1470 ft. N of S Line and 1250 ft. E of W Line of Section 30 Elevation 5374'
(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 _____ Calasso Loos

Date July 25, 1961 Title Field Superintendent

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

Commenced drilling June 24, 1961 Finished drilling July 8, 1961

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 2840' to 3150' (G) No. 4, from 5304' to 5530' (G)
No. 2, from 3150' to 3402' (G) No. 5, from 5530' to 5720' (G)
No. 3, from 5238' to 5304' (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—	
<u>10-3/4"</u>	<u>32.75</u>	<u>8rd</u>	<u>CP&I</u>	<u>192'</u>	<u>Tex Pat</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>Surface</u>
<u>7-5/8"</u>	<u>26.40</u>	<u>8rd</u>	<u>CP&I</u>	<u>3435'</u>	<u>Float</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>Intermediate</u>
<u>5-1/2"</u>	<u>15.50</u>	<u>8rd</u>	<u>CP&I</u>	<u>5795'</u>	<u>Guide</u>	<u>---</u>	<u>5238'</u>	<u>5718'</u>	<u>Production</u>
<u>2-3/8"</u>	<u>4.7</u>	<u>8rd RUE</u>	<u>Nat'l.</u>	<u>5628'</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>Tubing</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10-3/4"</u>	<u>208'</u>	<u>225</u>	<u>Pump & Plug</u>	<u>Water</u>	<u>Cement Circulated</u>
<u>7-5/8"</u>	<u>3450'</u>	<u>350</u>	<u>" "</u>	<u>" "</u>	<u>Top cement 1175'</u>
<u>5-1/2"</u>	<u>5809'</u>	<u>175</u>	<u>" "</u>	<u>" "</u>	<u>Top cement 4745'</u>

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
<u>Sand-water traced the Mesaverde Group through casing perforations.</u>						

TOOLS USED

Rotary tools were used from 0 feet to 5810 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 July 25, 1961
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 4040 MCF (GFP) Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. 1153

EMPLOYEES

Rate of flow thru 3/4" choke after _____, Driller
3 hours was 3140 MCFPS _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0'</u>	<u>898'</u>	<u>898</u>	<u>San Jose</u>
<u>898'</u>	<u>2208'</u>	<u>1310</u>	<u>Animas</u>
<u>2208'</u>	<u>2335'</u>	<u>127</u>	<u>Ojo Alamo ss</u>
<u>2335'</u>	<u>2640'</u>	<u>505</u>	<u>Kirtland</u>
<u>2640'</u>	<u>3150'</u>	<u>310</u>	<u>Kirtland ss</u>
<u>3150'</u>	<u>3402'</u>	<u>252</u>	<u>Pictured Cliffs ss</u>
<u>3402'</u>	<u>5238'</u>	<u>1836</u>	<u>Lewis Shale</u>
<u>5238'</u>	<u>5304'</u>	<u>66</u>	<u>Cliffhouse ss</u>
<u>5304'</u>	<u>5530'</u>	<u>226</u>	<u>Menefee Shale</u>
<u>5530'</u>	<u>5720'</u>	<u>190</u>	<u>Point Lookout ss</u>
<u>5720'</u>	<u>-</u>	<u>-</u>	<u>Mancos Shale</u>

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 balling.