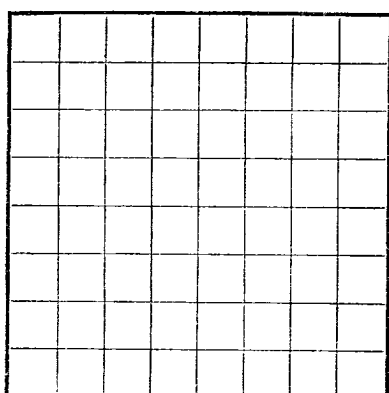




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa FeSERIAL NUMBER 079060

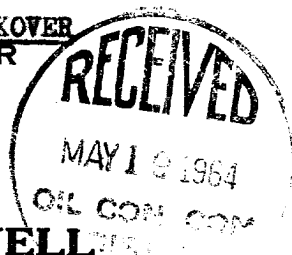
LEASE OR PERMIT TO PROSPECT

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, ColoradoLease or Tract No. 13 Field Blanco Mesaverde State New MexicoWell No. 13-20 Sec. 20 T. 30N R. 7W Meridian NMPM County Rio ArribaLocation 2500 ft. N. of S. Line and 1700 ft. E. of W. Line of Sec. 20 Elevation 6409'
(Derriek 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 Delasso LoosDate May 14, 1964 Title Field Superintendent

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

Commenced recompletion April 21, 1964 Finished recompletion May 1, 1964

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3030' to 3420' No. 4, from 5205' to 5515'No. 2, from 3420' to 3650' No. 5, from 5515' to 5665'No. 3, from 5095' to 5205' No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from None 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>4 1/2</u>	<u>API</u>	<u>196'</u>	<u>Guide</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>Surface</u>
<u>7"</u>	<u>20.75</u>	<u>4 1/2</u>	<u>API</u>	<u>5122'</u>	<u>Float</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>Production</u>
<u>4-1/2"</u>	<u>10.5</u>	<u>4 1/2</u>	<u>API</u>	<u>5678'</u>	<u>Float</u>	<u>None</u>	<u>None</u>	<u>None</u>	<u>Production</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>198'</u>	<u>200</u>	<u>Pump & Plug</u>	<u>Water</u>	<u>Circulated</u>
<u>7"</u>	<u>5112'</u>	<u>500</u>	<u>Pump & Plug</u>	<u>Water</u>	<u>Water</u>
<u>4-1/2"</u>	<u>5688'</u>	<u>245</u>	<u>Pump & Plug</u>	<u>Dry</u>	<u>Circulated</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 and water fraced the Mesaverde Group thru casing perforations</u>						

TOOLS USED

Rotary tools were used from 0 feet to 5690 feet, and from _____ feet to _____ feet

Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing Shut in, 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 NoneRock pressure, lbs. per sq. in. not repotentialled

EMPLOYEES

_____, Driller _____, Driller

_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1100'</u>	<u>1100'</u>	<u>San Jose</u>
<u>1100'</u>	<u>2305'</u>	<u>1205'</u>	<u>Animas</u>
<u>2305'</u>	<u>2450'</u>	<u>145'</u>	<u>Alamo ss</u>
<u>2450'</u>	<u>3030'</u>	<u>580'</u>	<u>Kirtland ss</u>
<u>3030'</u>	<u>3420'</u>	<u>390'</u>	<u>Fruitland ss</u>
<u>3420'</u>	<u>3650'</u>	<u>230'</u>	<u>Pictured Cliffs ss</u>
<u>3650'</u>	<u>5095'</u>	<u>1445'</u>	<u>Lewis Shale</u>
<u>5095'</u>	<u>5205'</u>	<u>110'</u>	<u>Cliffhouse ss</u>
<u>5205'</u>	<u>5515'</u>	<u>310'</u>	<u>Manafee ss</u>
<u>5515'</u>	<u>5665'</u>	<u>150'</u>	<u>Point Lookout ss</u>
<u>5665'</u>	<u>5713'</u>	<u>48'</u>	<u>Mancos Shale</u>