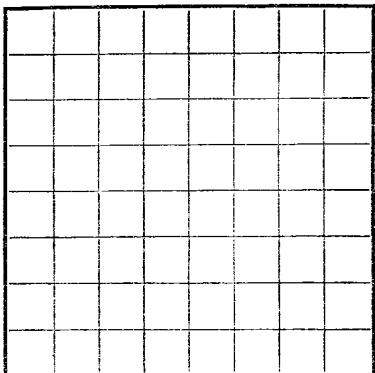




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079060

LEASE OR PERMIT TO PROSPECT _____
N.E. Blanco Unit Agrmt. No. 1, Sec. 929
UNITED STATES

DEPARTMENT OF THE INTERIOR WORKOVER
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

MAY 19 1964

RECEIVED
MAY 19 1964
U.S. GEOLOGICAL SURVEY
WASHINGTON, D.C. 20540

Company Blackwood & Nichols Company Address P.O. Box 1237, Durango, Colorado

~~INDEX~~ or Tract 13 Field Blanco Mesaverde State New Mexico

Well No. 19-20 Sec. 20 T 30N R. 7W Meridian BNM County Bio Arriba

Location 830 ft. N of N Line and 1550 ft. E of E Line of Sec. 20 Elevation 6402'
(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 Leon

Date May 14, 1964 Title Field Superintendent

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

Commenced recompletion May 2, 19 64 Finished recompletion May 13, 19 64

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3050' to 3290' (G) No. 4, from 5500' to 5630' (G)

No. 2, from 3290' to 3500' (G) No. 5, from _____ to _____

No. 3, from 5120' to 5170' (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>8</u>	<u>Nat'l</u>	<u>160'</u>	<u>Guide</u>	<u>Surface</u>			<u>Surface</u>
<u>7-5/8"</u>	<u>26.40</u>	<u>8</u>	<u>Hydril</u>	<u>5110'</u>	<u>Float</u>	<u>Intermediate</u>			<u>Intermediate</u>
<u>5-1/2"</u>	<u>19.50</u>	<u>8</u>	<u>Hydril</u>	<u>5110'</u>	<u>Float</u>	<u>Production</u>			<u>Production</u>
<u>4"</u>	<u>11.43</u>	<u>Hydril</u>	<u>Nat'l</u>	<u>5630'</u>	<u>Float</u>	<u>Production</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>175'</u>	<u>165</u>	<u>Pump & Plug</u>		<u>Circulated</u>
<u>7-5/8"</u>	<u>3453'</u>	<u>175</u>	<u>" "</u>		<u>Top cement 2615'</u>
<u>5-1/2"</u>	<u>5120</u>	<u>150</u>	<u>" "</u>		<u>" " 2895'</u>
<u>4"</u>	<u>5037-5657</u>	<u>50</u>	<u>" "</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

Sand-water Fraced Mesaverde group thru liner perforations

TOOLS USED

Rotary tools were used from 0 feet to 5660 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. Not repotentialled

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>930'</u>	<u>930'</u>	<u>Tertiary</u>
<u>930'</u>	<u>2380'</u>	<u>1450'</u>	<u>Animas ss</u>
<u>2380'</u>	<u>2460'</u>	<u>80'</u>	<u>Ojo Alamo ss</u>
<u>2460'</u>	<u>3050'</u>	<u>590'</u>	<u>Kirtland ss</u>
<u>3050'</u>	<u>3290'</u>	<u>240'</u>	<u>Fruitland ss</u>
<u>3290'</u>	<u>3500'</u>	<u>210'</u>	<u>Pictured Cliffs ss</u>
<u>3500'</u>	<u>5120'</u>	<u>1620'</u>	<u>Lewis Shale</u>
<u>5120'</u>	<u>5170'</u>	<u>50'</u>	<u>Cliffhouse ss</u>
<u>5170'</u>	<u>5500'</u>	<u>330'</u>	<u>Menafee</u>
<u>5500'</u>	<u>5630'</u>	<u>130'</u>	<u>Point Lookout ss</u>
<u>5630'</u>			<u>Mancos Shale</u>

