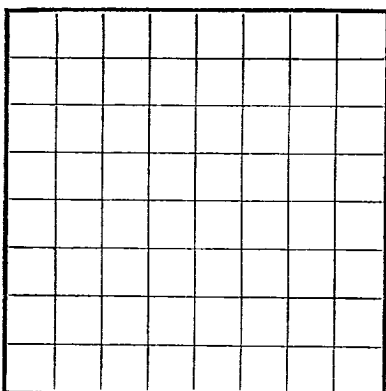




LOCATE WELL CORRECTLY

RECEIVED

APR 1 1958

U. S.
FARM BUREAUU. S. LAND OFFICE Santa Fe
SERIAL NUMBER 079860
LEASE OR PERMIT TO PROSPECT _____
J. J. Haines Unit Agreement No. 1,
Sec. 929

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

WARRANT

LOG OF OIL OR GAS WELL

Company Blackwood & Nichols Company Address P.O. Box 1237, Durango, Colorado
Lessor or Tract Tract No. 13 Field Manco Mesaverde State New Mexico
Well No. 6-29 Sec. 29 T. 30N R. 7W Meridian NMPN County Rio Arriba
Location 1770 ft. N of 1 Line and 1160 ft. E of 1 Line of Section 29 Elevation 6321
(Derrick floor relative to base of well)

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 Loos

Date March 31, 1958 Title Field Superintendent

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

Commenced Recompletion March 6, 1958 Finished Recompletion March 15, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3195' to 3340' (G) No. 4, from 5090' to 5395' (G)
No. 2, from 3340' to 3520' (G) No. 5, from 5395' to 5535' (G)
No. 3, from 5030' to 5090' (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>Met'l.</u>	<u>204</u>	<u>Guide</u>				<u>Surface</u>
<u>7"</u>	<u>21.6</u>	<u>8</u>	<u>Met'l.</u>	<u>500</u>	<u>Plug</u>				<u>Production</u>
<u>5-1/2"</u>	<u>15.20</u>	<u>8</u>	<u>Met'l.</u>	<u>350</u>	<u>Plug</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>216'</u>	<u>200</u>	<u>Pump & Plug</u>	<u>Water</u>	<u>Cement circulated</u>
<u>7"</u>	<u>5016'</u>	<u>500</u>	<u>"</u>	<u>"</u>	<u>"</u>
<u>5-1/2"</u>	<u>5373'</u>	<u>350</u>	<u>"</u>	<u>"</u>	<u>"</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 the Mesaverde Group thru 3/4" liner perforations

TOOLS USED

Rotary tools were used from 0 feet to 3624 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing After recompletion March 29, 1958

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 13,185 MCF (AG) Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 825 Rate of flow thru 3/4" choke after 3 hours was 4,124 MCFPD

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0'</u>	<u>1030'</u>	<u>1030'</u>	<u>San Jose</u>
<u>1030'</u>	<u>1960'</u>	<u>930</u>	<u>Animas</u>
<u>1960'</u>	<u>2320'</u>	<u>360</u>	<u>Ojo Alamo ss</u>
<u>2320'</u>	<u>3195'</u>	<u>875</u>	<u>Kirtland</u>
<u>3195'</u>	<u>3340'</u>	<u>145</u>	<u>Fruitland ss</u>
<u>3340'</u>	<u>3520'</u>	<u>180</u>	<u>Pictured Cliffs ss</u>
<u>3520'</u>	<u>5030'</u>	<u>1510</u>	<u>Lewis Shale</u>
<u>5030'</u>	<u>5090'</u>	<u>60</u>	<u>Massive Cliffhouse ss</u>
<u>5090'</u>	<u>5395'</u>	<u>305</u>	<u>Manatee</u>
<u>5395'</u>	<u>5535'</u>	<u>140</u>	<u>Point Lookout ss</u>
<u>5535'</u>	<u>-</u>		<u>Manco Shale</u>

LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR

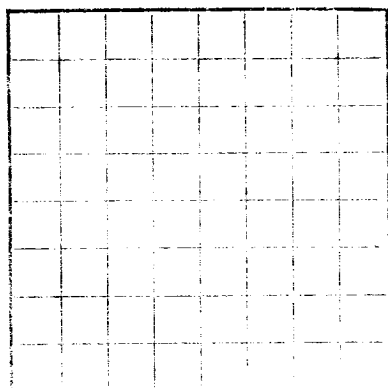
UNITED STATES

Bureau of Land Management

Please see Permit to Prospect

Serial Number

U. S. Land Office



LOCATE WELL CORRECTLY

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 Dallas Lee

Location _____
of _____
Line and _____
Section _____
County _____
State _____

Well No. _____
T. _____
R. _____
N. _____
E. _____

Section _____
Line _____
Range _____
Township _____
County _____
State _____

Address _____
City _____
State _____
Zip _____

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

OIL OR GAS SANDS OR ZONES

(Petroleum gas by G)

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____
No. 5, from _____ to _____
No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____
No. 2, from _____ to _____
No. 3, from _____ to _____
No. 4, from _____ to _____

CASING RECORD

Size of casing	Weight per foot	Thread per inch	Make	Amount	Kind of shoe	Cut and pulled from	Remarks

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 same and the results. If there were any changes made in the casing, state date, size, position, and number of joints. If there were any changes made in the casing, state date, size, position, and number of joints. If there were any changes made in the casing, state date, size, position, and number of joints.

HISTORY OF OIL OR GAS WELL

MUDGING AND CEMENTING RECORD

Casing size	Weight per foot	Thread per inch	Make	Amount	Kind of shoe	Cut and pulled from	Remarks

PLUGS AND ADAPTERS

Heaving plug—Material _____
Adapters—Material _____
Length _____
Depth set _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleared out

TOOLS USED

Retary tools were used from _____ feet to _____ feet and from _____ feet to _____ feet.

DATES

Production for the first 24 hours was _____ barrels of oil and _____ barrels of water; and _____ barrels of gas.

Production for the next 24 hours was _____ barrels of oil and _____ barrels of water; and _____ barrels of gas.

Production for the next 24 hours was _____ barrels of oil and _____ barrels of water; and _____ barrels of gas.

EMPLOYEES

Driller _____
Driller _____
Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1000	1000	Gravelly sand
1000	1500	1500	Gravelly sand
1500	2000	2000	Gravelly sand
2000	2500	2500	Gravelly sand
2500	3000	3000	Gravelly sand
3000	3500	3500	Gravelly sand
3500	4000	4000	Gravelly sand
4000	4500	4500	Gravelly sand
4500	5000	5000	Gravelly sand
5000	5500	5500	Gravelly sand
5500	6000	6000	Gravelly sand
6000	6500	6500	Gravelly sand
6500	7000	7000	Gravelly sand
7000	7500	7500	Gravelly sand
7500	8000	8000	Gravelly sand
8000	8500	8500	Gravelly sand
8500	9000	9000	Gravelly sand
9000	9500	9500	Gravelly sand
9500	10000	10000	Gravelly sand