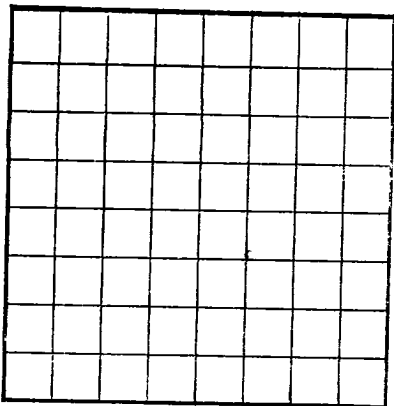


U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM-01190
LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company W. H. Black Address Box 174, Midland, Texas
Lessor or Tract Federal-Welch Field Wildcat State New Mexico
Well No. 1 Sec. 30 T. 20S R. 34E Meridian NMPM County Lea
Location 1980 ft. ^{N.}_{S.} of S Line and 1980 ^{N.}_{S.} of E Line of Sec. 30 Elevation 3687
(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.

Date July 13, 1954 Signed _____ Title Agent

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

Commenced drilling June 3, 1954 Finished drilling July 3, 1954

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

IMPORTANT WATER SANDS

No. 1, from 520 to 540 No. 3, from 835 to 870
No. 2, from 575' to 605' 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>13-3/8</u>	<u>48#</u>	<u>8</u>		<u>138</u>	<u>T.P.</u>	<u>138'</u>			<u>Combustor</u>
<u>10-3/4</u>	<u>32.75</u>	<u>8</u>		<u>575</u>	<u>T.P.</u>	<u>575</u>			<u>Combustor</u>
<u>8-5/8</u>	<u>28#</u>			<u>1145</u>	<u>T.P.</u>	<u>1145'</u>			<u>Combustor</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13-3/8</u>	<u>138</u>	<u>Mudded & Pulled</u>			
<u>10-3/4</u>	<u>575</u>	<u>Mudded & Pulled</u>			
<u>8-5/8</u>	<u>1145</u>	<u>Mudded & Pulled</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

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 3600 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was Dry Hole 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. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller J. C. CLOWER, DRILLING CONTRACTOR, Dallas

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>28</u>	<u>28'</u>	<u>Caliche</u>
<u>28</u>	<u>110</u>	<u>82'</u>	<u>Sand & Gravel</u>
<u>110</u>	<u>187</u>	<u>77</u>	<u>Red & Gray Shale</u>
<u>187</u>	<u>385</u>	<u>198</u>	<u>Red Shale</u>
<u>385</u>	<u>445</u>	<u>60</u>	<u>Blue Shale</u>
<u>445</u>	<u>540</u>	<u>95'</u>	<u>Red Shale & Blue Shale</u>
<u>540</u>	<u>575</u>	<u>30</u>	<u>Shale</u>
<u>575</u>	<u>605</u>	<u>30</u>	<u>Gravel & Shale</u>
<u>605</u>	<u>710</u>	<u>105</u>	<u>Red, Sandy Shale</u>
<u>710</u>	<u>835</u>	<u>125</u>	<u>Red Rock & Shale</u>
<u>835</u>	<u>870</u>	<u>35</u>	<u>Red Rock & Shale</u>
<u>870</u>	<u>1512</u>	<u>642</u>	<u>Red Shale, Sandy</u>
<u>1512</u>	<u>1550</u>	<u>38</u>	<u>Anhydrite</u>
<u>1550</u>	<u>1570</u>	<u>20</u>	<u>Anhydrite & Red Rock</u>
<u>1570</u>	<u>1655</u>	<u>85</u>	<u>Anhydrite</u>
<u>1655</u>	<u>1710</u>	<u>55'</u>	<u>White Salt (Top Salt- 1655')</u>
<u>1710</u>	<u>1791</u>	<u>81</u>	<u>Salt & Anhydrite</u>
<u>1791</u>	<u>1841</u>	<u>50</u>	<u>Salt & Red Sale</u>
<u>1841</u>	<u>3045</u>	<u>1204</u>	<u>Salt & Potash</u>
<u>3045</u>	<u>3182</u>	<u>137</u>	<u>Salt</u>
<u>3182</u>	<u>3357</u>	<u>175</u>	<u>Lime - Top of Lime at 3190'</u>
<u>3357</u>	<u>3397</u>	<u>40</u>	<u>Yates Sand</u>
<u>3397</u>	<u>3430</u>	<u>33</u>	<u>Braceo Lime</u>
<u>3430</u>	<u>3448</u>	<u>18</u>	<u>Shale, Lime & Sand</u>
<u>3448</u>	<u>3527</u>	<u>79</u>	<u>White Lime</u>

FORMATION RECORD-Continued

FROM-	TO-	TOTAL FEET	FORMATION
3527	3588	61	White Sandy Lime
3588	3603	15	Sulphur Water- (Lime) T.D.

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 bailing.

This well was plugged and abandoned as a dry hole from 3600'.
Sulphur water in large quantities at 3600'.
Plugged bottom of hole with 50 sacks.
Plugged at 1550' with 50 sacks.
Plugged Bridge at 750' with 5 sacks.
Plugged from 70' to surface with 100 sacks.
Cemented 4" Pipe in top of hole.