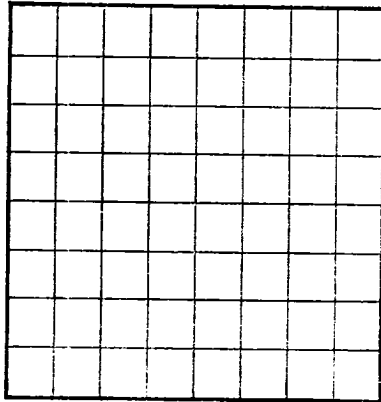


U. S. LAND OFFICE N.M.
SERIAL NUMBER 0634-B
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company NEVILLE G. PEMROSE, INC. Address FAIR BUILDING, FORT WORTH, TEXAS
Lessor or Tract _____ Field WILDCAT State NEW MEXICO
Well No. 1 Sec. 31 T. 20S R. 39E Meridian _____ County LEA
Location 660 ft. N. of N. Line and 660 ft. E. of W. Line of SEC. 31 Elevation 3569
(Derrick floor relative to 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 Tom V. Marks
Title Prod. Supt.Date 12-30-52

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

Commenced drilling OCTOBER 21, 19 52 Finished drilling NOVEMBER 28, 19 52

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from NONE 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 _____ 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—	
13-3/8"	48#	8rd		252	TEXAS PATTERN				Protect Surface Water Came off Red Beds
8-5/8"	28#	8rd		1637	LARKIN				
8 7/8" 28# Casing Shot off and pulled 1109 ft.									

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>252'</u>	<u>240 Sks. Circulated</u>			
<u>8-5/8"</u>	<u>1637'</u>	<u>165 "</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 0 feet to 1637 feet, and from _____ feet to _____ feet
Cable tools were used from 1637 feet to 1445 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. _____

EMPLOYEES

J. L. Herod, Driller _____, Driller
R. B. McCarrell, Driller _____, Driller

FORMATION RECORD

FROM	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>200</u>	<u>200</u>	<u>Surface Sands</u>
<u>200</u>	<u>1245</u>	<u>1045</u>	<u>Red Shales</u>
<u>1245</u>	<u>1620</u>	<u>375</u>	<u>Sand, Shaly Shaley Sand & Shale</u>
<u>1620</u>	<u>1715</u>	<u>95</u>	<u>Anhydrite</u>
<u>1715</u>	<u>2597</u>	<u>882</u>	<u>Salt</u>
<u>2597</u>	<u>2610</u>	<u>13</u>	<u>Anhydrite</u>
<u>2610</u>	<u>2750</u>	<u>140</u>	<u>Salt</u>
<u>2750</u>	<u>2895</u>	<u>145</u>	<u>Anhydrite</u>
<u>2895</u>	<u>2920</u>	<u>25</u>	<u>Sand</u>
<u>2920</u>	<u>3010</u>	<u>90</u>	<u>Sand and Shale</u>
<u>3010</u>	<u>3055</u>	<u>45</u>	<u>Anhydrite</u>
<u>3055</u>	<u>3130</u>	<u>75</u>	<u>Dolomite & Shale</u>
<u>3130</u>	<u>3200</u>	<u>70</u>	<u>Gray Sd.</u>
<u>3200</u>	<u>3245</u>	<u>45</u>	<u>Anhydrite</u>
<u>3245</u>	<u>3280</u>	<u>35</u>	<u>Dolomite</u>
<u>3280</u>	<u>3380</u>	<u>100</u>	<u>Anhydrite</u>
<u>3380</u>	<u>3400</u>	<u>20</u>	<u>Dolomite</u>
<u>3400</u>	<u>3520</u>	<u>120</u>	<u>Anhydrite</u>
<u>3520</u>	<u>3570</u>	<u>50</u>	<u>Sand with Anhydrite</u>
<u>3570</u>	<u>3730</u>	<u>160</u>	<u>Anhydrite</u>
<u>3730</u>	<u>3760</u>	<u>30</u>	<u>Dolomite</u>
<u>3760</u>	<u>3800</u>	<u>40</u>	<u>Anhydrite</u>
<u>3800</u>	<u>3850</u>	<u>50</u>	<u>Dolomite & Anhydrite</u>
<u>3850</u>	<u>3900</u>	<u>50</u>	<u>Anhydrite</u>

6-4000

THIS WELL TESTED 1 BARREL OF SALT WATER FROM THE SAN ANTONIO FORMATION FROM 1322 TO 1445. NO SHOWS OF OIL OR GAS WERE DISCOVERED.

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 "detached" 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.

FROM -	TO -	TOTAL FEET	FORMATION
3900	3920	20	Dolomite
3920	3995	75	Dolomite, anhydrite & Sand
3995	4050	55	Sand
4050	4065	15	Anhydrite
4065	4233	168	Dolomite
4233	4260	27	Sand
4260	4290	30	Dolomite & Sand
4290	4308	18	Dolomite
4308	4322	14	Sand
4322	4372	50	Dolomite
4372	4382	10	Sand
4382	4445	63	Dolomite