

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 057798
LEASE OR PERMIT TO PROSPECT _____UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Paton Brothers Address Box 667, Artesia, N. M.
Lessor or Tract Magruder Field Empire State New Mexico
Well No. 9 Sec. 35 T. 17 R. 27 Meridian NMPM County Eddy
Location 3017.50 of N Line and 1650.00 of W Line of NW¹, NE¹, SW¹ Elevation 3620
(Denote Gas by G)

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 /s/ H. R. PatonDate March 19, 1948Title Partner

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

Commenced drilling January 19, 1948 Finished drilling March 10, 1948OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from 332' Gas to 342' No. 4, from 1569' to 1570'
No. 2, from 400' Gas & Oil to 405' No. 5, from _____ to _____
No. 3, from 480' to 485' No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 675' to 680' 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>8 1/2"</u>	<u>28</u>	<u>8</u>	<u>Texas</u>	<u>1320'</u>	<u>Pattern</u>	<u>Pulled 8"</u>			
<u>7"</u>	<u>15</u>	<u>8-10</u>	<u>UPSET TUBING</u>	<u>1552'</u>	<u>MUD ANCHOR</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>7"</u>	<u>1320'</u>	<u>50 sacks</u>	<u>Halliburton</u>		<u>3 sacks of aquagel</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>Nitro-Glycerin</u>	<u>180 qts</u>	<u>3-15</u>	<u>1555'-1610'</u>	<u>bottom</u>

TOOLS USED

Rotary tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet
Cable tools were used from 0 feet to 1694 feet, and from _____ feet to _____ feet

DATES

Put to producing March 16, 1948
The production for the first 24 hours was 50 barrels of oil what 100% 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

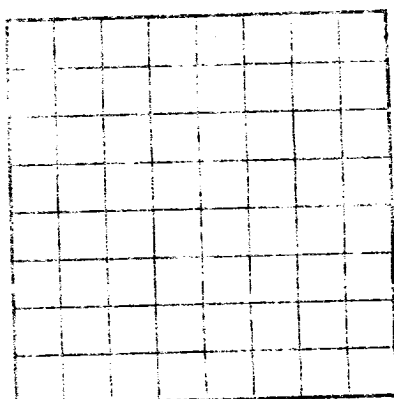
J. F. Talley, Driller G. F. Bowers, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>115</u>	<u>115</u>	<u>Anhydrite</u>
<u>115</u>	<u>120</u>	<u>5</u>	<u>Red rock</u>
<u>120</u>	<u>195</u>	<u>75</u>	<u>Red Bed and broken anhydrite</u>
<u>195</u>	<u>205</u>	<u>10</u>	<u>Red rock</u>
<u>205</u>	<u>320</u>	<u>115</u>	<u>Anhydrite</u>
<u>320</u>	<u>332</u>	<u>12</u>	<u>Broken anhydrite</u>
<u>332</u>	<u>342</u>	<u>10</u>	<u>Sandy Lime (Show of Gas)</u>
<u>342</u>	<u>355</u>	<u>13</u>	<u>Broken Anhydrite</u>
<u>355</u>	<u>400</u>	<u>95</u>	<u>Anhydrite</u>
<u>400</u>	<u>405</u>	<u>5</u>	<u>Brown Lime (Show of oil)</u>
<u>405</u>	<u>440</u>	<u>35</u>	<u>Anhydrite</u>
<u>440</u>	<u>505</u>	<u>65</u>	<u>Anhydrite & Lime</u> <u>(Increase Gas & Oil at 480'-485')</u>
<u>505</u>	<u>545</u>	<u>40</u>	<u>Anhydrite</u>
<u>545</u>	<u>565</u>	<u>20</u>	<u>Lime</u>
<u>565</u>	<u>615</u>	<u>15</u>	<u>Anhydrite</u>
<u>615</u>	<u>640</u>	<u>25</u>	<u>Anhydrite & Broken Lime</u>
<u>640</u>	<u>650</u>	<u>10</u>	<u>Red rock & Anhydrite</u>
<u>650</u>	<u>675</u>	<u>25</u>	<u>Anhydrite</u>
<u>675</u>	<u>680</u>	<u>5</u>	<u>Red sand (Hole full of water)</u>
<u>680</u>	<u>700</u>	<u>20</u>	<u>Red sand & Gyp</u>
<u>700</u>	<u>745</u>	<u>45</u>	<u>Red bed</u>
<u>745</u>	<u>765</u>	<u>20</u>	<u>Red rock & Gyp</u>
<u>765</u>	<u>810</u>	<u>45</u>	<u>Anhydrite</u>
<u>810</u>	<u>825</u>	<u>15</u>	<u>Sandy Lime</u>
<u>825</u>	<u>835</u>	<u>10</u>	<u>Blue Mud & Anhydrite</u>

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES



LOCATE WELL CORRECTLY

Company Name _____
Location _____
Well No. _____
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.

Person or persons who have been in the well _____
The summary on this page is for the condition of the well at above date
Time _____

Completed drilling _____
Finished drilling _____

OIL OR GAS SANDS OR NONES

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

IMPORTANT WATER SANDS

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

CASING RECORD

Casing _____
Casing _____
Casing _____
Casing _____

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, 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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE

FORMATION	TOTAL FEET	FORMATION	TOTAL FEET
Lime and anhydrite	89	Lime and anhydrite	835
Anhydrite	51	Anhydrite	924
Anhydrite & Red rock	25	Anhydrite	975
Anhydrite	105	Anhydrite	1000
Broken anhydrite	50	Anhydrite	1105
Anhydrite	185	Anhydrite	1155
Brown lime	10	Anhydrite	1320
Brown lime	78	Anhydrite	1330
Lime	12	Anhydrite	1413
Sandy lime	12	Anhydrite	1425
Lime	22	Anhydrite	1437
Sand	8	Anhydrite	1455
Lime	22	Anhydrite	1463
Sand	22	Anhydrite	1485
Anhydrite & Pink lime	23	Anhydrite	1485
Broken lime	17	Anhydrite	1508
Lime	44	Anhydrite	1525
Sand (show of oil & gas)	1	Anhydrite	1525
Sandy lime	15	Anhydrite	1569
Lime	11	Anhydrite	1570
Sandy lime	10	Anhydrite	1585
Lime	33	Anhydrite	1596
White lime	7	Anhydrite	1606
Lime	48	Anhydrite	1639
TOTAL DEPTH		Anhydrite	1646

FORMATION RECORD—Continued