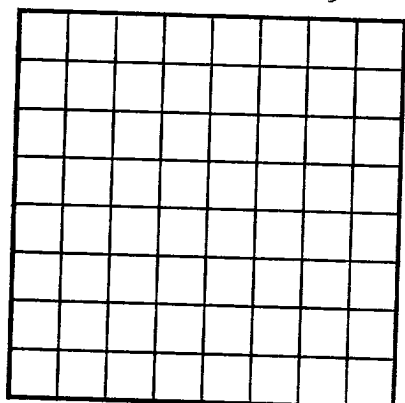


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 057798
LEASE OR PERMIT TO PROSPECT LeaseUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company PATON BROTHERS Address Box 667, Artesia, N. M.
Lessor or Tract Magruder Field Empire State New Mexico
Well No. 8 Sec. 35 T. 17S R. 27E Meridian NMPM County Eddy
Location 2304 ft. N. of S. Line and 2310 ft. EX of E. Line of NW1/4, SE1/4 Elevation 3636
(Denotes 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 /s/ H. R. PatonDate August 9, 1947Title Partner

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

Commenced drilling June 9, 1947 Finished drilling July 9, 1947

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 420' to 423' No. 4, from 1594' to 1600'
No. 2, from 710' to 720' No. 5, from 1590' to 1660'
No. 3, from 1130' to 1137' 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>8"</u>	<u>28 lb.</u>	<u>8</u>	<u>826'</u>	<u>Pattern Pulled</u>	<u>Texas</u>				
<u>7"</u>	<u>16 lb.</u>	<u>8</u>	<u>1335'</u>	<u>or Tubing</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>1335'</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>190 qts</u>	<u>6-8</u>	<u>1590-1660</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 1665 feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing August 1, 1947

The production for the first 24 hours was 20 barrels of fluid of which 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

A. E. Lycette, Driller D. L. Inman, Driller
W. E. Fleming, Driller Bill Martin, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>50</u>	<u>50</u>	<u>Gyp & anhydrite</u>
<u>50</u>	<u>105</u>	<u>55</u>	<u>Caliche & gyp</u>
<u>105</u>	<u>150</u>	<u>45</u>	<u>Anhydrite & gyp</u>
<u>150</u>	<u>190</u>	<u>40</u>	<u>Red rock</u>
<u>190</u>	<u>260</u>	<u>50</u>	<u>Anhydrite & red rock, broken</u>
<u>260</u>	<u>305</u>	<u>45</u>	<u>Anhydrite & red bed</u>
<u>305</u>	<u>420</u>	<u>115</u>	<u>Anhydrite</u>
<u>420</u>	<u>423</u>	<u>3</u>	<u>Sand</u>
<u>423</u>	<u>470</u>	<u>57</u>	<u>Anhydrite & brown lime</u>
<u>470</u>	<u>485</u>	<u>15</u>	<u>Anhydrite</u>
<u>485</u>	<u>505</u>	<u>20</u>	<u>Gray lime</u>
<u>505</u>	<u>525</u>	<u>20</u>	<u>Lime</u>
<u>525</u>	<u>555</u>	<u>30</u>	<u>Anhydrite, broken</u>
<u>555</u>	<u>561</u>	<u>6</u>	<u>Anhydrite & Brown lime</u>
<u>561</u>	<u>573</u>	<u>12</u>	<u>Water sand</u>
<u>573</u>	<u>597</u>	<u>24</u>	<u>Lime</u>
<u>597</u>	<u>627</u>	<u>30</u>	<u>Lime & anhydrite, broken</u>
<u>627</u>	<u>648</u>	<u>21</u>	<u>Anhydrite & lime shells</u>
<u>648</u>	<u>675</u>	<u>27</u>	<u>Anhydrite & lime</u>
<u>675</u>	<u>700</u>	<u>25</u>	<u>Anhydrite</u>
<u>700</u>	<u>705</u>	<u>5</u>	<u>Red rock</u>
<u>705</u>	<u>725</u>	<u>20</u>	<u>Red sand</u>
<u>725</u>	<u>750</u>	<u>25</u>	<u>Shale & anhydrite</u>
<u>750</u>	<u>840</u>	<u>90</u>	<u>Anhydrite</u>
<u>840</u>	<u>847</u>	<u>7</u>	<u>Sandy shale</u>

(OVER)

16-42094-2

LOGWELL RECORD—Continued

U.S. LAND OFFICE
GENERAL NUMBER
COUNTY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

[illegible]

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.

Location {N} of {W} of Line and {E} of {W}

Well No. Sec. T. R. Meridian

County State Field Lessor or Trust Company

(Remember that relative to our level)

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

Date _____ Title _____

Completed drilling _____ Finished drilling _____

OIL OR GAS SANDS OR ZONES

(2) and (3) are satisfied.

No. 1 from	to	No. 1 from	to
No. 2 from	to	No. 2 from	to
No. 3 from	to	No. 3 from	to
No. 4 from	to	No. 4 from	to
No. 5 from	to	No. 5 from	to
No. 6 from	to	No. 6 from	to
No. 7 from	to	No. 7 from	to
No. 8 from	to	No. 8 from	to

IMPORTANT WATER SAVING

..... of	 of	 of	 of
..... of	 of	 of	 of

REPORT OF THE SECRETARY

DATE	TIME	LOCATION	REMARKS
10/10/54	10:00	1000 Yards	1st shot
10/10/54	10:05	1000 Yards	2nd shot
10/10/54	10:10	1000 Yards	3rd shot
10/10/54	10:15	1000 Yards	4th shot
10/10/54	10:20	1000 Yards	5th shot
10/10/54	10:25	1000 Yards	6th shot
10/10/54	10:30	1000 Yards	7th shot
10/10/54	10:35	1000 Yards	8th shot
10/10/54	10:40	1000 Yards	9th shot
10/10/54	10:45	1000 Yards	10th shot
10/10/54	10:50	1000 Yards	11th shot
10/10/54	10:55	1000 Yards	12th shot
10/10/54	11:00	1000 Yards	13th shot
10/10/54	11:05	1000 Yards	14th shot
10/10/54	11:10	1000 Yards	15th shot
10/10/54	11:15	1000 Yards	16th shot
10/10/54	11:20	1000 Yards	17th shot
10/10/54	11:25	1000 Yards	18th shot
10/10/54	11:30	1000 Yards	19th shot
10/10/54	11:35	1000 Yards	20th shot
10/10/54	11:40	1000 Yards	21st shot
10/10/54	11:45	1000 Yards	22nd shot
10/10/54	11:50	1000 Yards	23rd shot
10/10/54	11:55	1000 Yards	24th shot
10/10/54	12:00	1000 Yards	25th shot
10/10/54	12:05	1000 Yards	26th shot
10/10/54	12:10	1000 Yards	27th shot
10/10/54	12:15	1000 Yards	28th shot
10/10/54	12:20	1000 Yards	29th shot
10/10/54	12:25	1000 Yards	30th shot
10/10/54	12:30	1000 Yards	31st shot
10/10/54	12:35	1000 Yards	32nd shot
10/10/54	12:40	1000 Yards	33rd shot
10/10/54	12:45	1000 Yards	34th shot
10/10/54	12:50	1000 Yards	35th shot
10/10/54	12:55	1000 Yards	36th shot
10/10/54	1:00	1000 Yards	37th shot
10/10/54	1:05	1000 Yards	38th shot
10/10/54	1:10	1000 Yards	39th shot
10/10/54	1:15	1000 Yards	40th shot
10/10/54	1:20	1000 Yards	41st shot
10/10/54	1:25	1000 Yards	42nd shot
10/10/54	1:30	1000 Yards	43rd shot
10/10/54	1:35	1000 Yards	44th shot
10/10/54	1:40	1000 Yards	45th shot
10/10/54	1:45	1000 Yards	46th shot
10/10/54	1:50	1000 Yards	47th shot
10/10/54	1:55	1000 Yards	48th shot
10/10/54	2:00	1000 Yards	49th shot
10/10/54	2:05	1000 Yards	50th shot
10/10/54	2:10	1000 Yards	51st shot
10/10/54	2:15	1000 Yards	52nd shot
10/10/54	2:20	1000 Yards	53rd shot
10/10/54	2:25	1000 Yards	54th shot
10/10/54	2:30	1000 Yards	55th shot
10/10/54	2:35	1000 Yards	56th shot
10/10/54	2:40	1000 Yards	57th shot
10/10/54	2:45	1000 Yards	58th shot
10/10/54	2:50	1000 Yards	59th shot
10/10/54	2:55	1000 Yards	60th shot
10/10/54	3:00	1000 Yards	61st shot
10/10/54	3:05	1000 Yards	62nd shot
10/10/54	3:10	1000 Yards	63rd shot
10/10/54	3:15	1000 Yards	64th shot
10/10/54	3:20	1000 Yards	65th shot
10/10/54	3:25	1000 Yards	66th shot
10/10/54	3:30	1000 Yards	67th shot
10/10/54	3:35	1000 Yards	68th shot
10/10/54	3:40	1000 Yards	69th shot
10/10/54	3:45	1000 Yards	70th shot
10/10/54	3:50	1000 Yards	71st shot
10/10/54	3:55	1000 Yards	72nd shot
10/10/54	4:00	1000 Yards	73rd shot
10/10/54	4:05	1000 Yards	74th shot
10/10/54	4:10	1000 Yards	75th shot
10/10/54	4:15	1000 Yards	76th shot

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 "squeaked," 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 of 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

16-43094-1 U. S. GOVERNMENT PRINTING OFFICE

FROM	TO	TOTAL FEET	FORMATION
847	870	23	Anhydrite & shale
870	907	37	anhydrite
907	925	18	shale
925	930	5	Water sand
930	939	9	Anhydrite & shale
939	1185	246	Anhydrite
1185	1205	20	Sand
1205	1230	25	Sand & Anhydrite
1230	1264	34	Anhydrite
1264	1280	16	Sand
1280	1288	8	Anhydrite
1288	1307	19	Broken lime
1307	1315	8	Anhydrite, broken
1315	1330	15	Anhydrite
1330	1345	15	lime
1345	1356	11	Gray lime
1356	1372	16	lime
1372	1381	9	lime & shale, broken
1381	1390	9	Gray lime
1390	1425	35	lime
1425	1451	26	Gray lime
1451	1527	76	lime
1527	1540	13	Sandy lime
1540	1594	54	lime
1594	1600	6	Sand
1600	1612	12	lime
1612	1617	5	Sandy lime
1617	1625	8	FORMATION
1625	1636	11	Sandy lime
1636	1645	9	White lime
1645	1665	20	lime - - TOTAL DEPTH
1665	1675	10	DIFFER