

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 060545LEASE OR PERMIT TO PROSPECT
GrierUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

MAR 10 1977

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY O. C. G.

ARTESIA, OFFICE

Company May Hightower Address Artesia, New Mexico P.O. 218Lessor or Tract SE 1/4 Field Square Lake State New MexicoWell No. 4x Sec. 31 T. 18 R. 31 Meridian N.M.P.M. County EddyLocation 1980 ft. (N.) of xxx Line and 3390 ft. (E.) of xxxx Line of Sec. 31 Elevation (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.

Signed May HightowerTitle OperatorDate 11-20-42

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

Commenced drilling October 3, 19 42 Finished drilling November 19, 19 42

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 3025 to 3035 No. 4, from _____ to _____No. 2, from 3075 to 3090 No. 5, from _____ to _____No. 3, from 3125 to 3135 No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 2415 to 2460 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"</u>	<u>40</u>	<u>8</u>	<u>Japwell</u>	<u>512</u>	<u>Texas</u>	<u>cemented</u>			
<u>8"</u>	<u>28</u>	<u>8</u>	<u>Japwell</u>	<u>2465</u>	<u>Texas</u>	<u>cemented</u>			
<u>7"</u>	<u>26</u>	<u>8</u>	<u>Japwell</u>	<u>2965</u>	<u>Texas</u>	<u>cemented</u>			
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10"</u>	<u>512</u>	<u>50</u>	<u>Halliburton</u>	<u>circulate</u>	<u>50 sacks</u>
<u>8"</u>	<u>2465</u>	<u>100</u>	<u>Halliburton</u>	<u>circulate</u>	<u>50 sacks aquagel</u>
<u>7"</u>	<u>2965</u>	<u>100</u>	<u>Halliburton</u>	<u>2</u>	<u>100 sack mud</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 3135 feet, and from _____ feet to _____ feet

DATES

October 3, 19 42 Put to producing November 19, 19 42The production for the first 24 hours was 250 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

O. C. Bean, Driller W. D. Walker, DrillerCarl Byler, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>160</u>	<u>160</u>	<u>Red rock</u>
<u>160</u>	<u>225</u>	<u>65</u>	<u>Sand & red rock</u>
<u>225</u>	<u>290</u>	<u>65</u>	<u>Red rock</u>
<u>290</u>	<u>430</u>	<u>140</u>	<u>Anhydrite</u>
<u>430</u>	<u>500</u>	<u>70</u>	<u>Shale</u>
<u>500</u>	<u>525</u>	<u>25</u>	<u>Anhydrite</u>
<u>525</u>	<u>1305</u>	<u>780</u>	<u>Salt</u>
<u>1305</u>	<u>1840</u>	<u>35</u>	<u>Potash & salt</u>
<u>1840</u>	<u>1410</u>	<u>70</u>	<u>Anhydrite broken</u>
<u>1410</u>	<u>1515</u>	<u>105</u>	<u>Anhydrite</u>
<u>1515</u>	<u>1545</u>	<u>30</u>	<u>Red shale</u>
<u>1545</u>	<u>1650</u>	<u>105</u>	<u>Red rock</u>
<u>1650</u>	<u>2185</u>	<u>545</u>	<u>Anhydrite</u>
<u>2185</u>	<u>2140</u>	<u>35</u>	<u>Anhydrite & sand</u>
<u>2140</u>	<u>2115</u>	<u>25</u>	<u>Anhydrite</u>
<u>2115</u>	<u>2135</u>	<u>20</u>	<u>Sand water</u>
<u>2135</u>	<u>2130</u>	<u>5</u>	<u>Anhydrite & sand</u>
<u>2130</u>	<u>2180</u>	<u>50</u>	<u>Thin shell</u>
<u>2180</u>	<u>2190</u>	<u>10</u>	<u>Thin & anhydrite</u>
<u>2190</u>	<u>2425</u>	<u>235</u>	<u>Anhydrite</u>
<u>2425</u>	<u>2680</u>	<u>255</u>	<u>Anhydrite & sand</u>
<u>2680</u>	<u>2695</u>	<u>15</u>	<u>Anhydrite & sand grey</u>
<u>2695</u>	<u>2800</u>	<u>105</u>	<u>Anhydrite & sand</u>
<u>2800</u>	<u>2815</u>	<u>15</u>	<u>Anhydrite</u>
<u>2815</u>	<u>2890</u>	<u>75</u>	<u>Thin</u>

(OVER)

6-6745

U. S. LAND OFFICE
Serial Number
License or Permit to Prospect

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

RECEIVED

MAR 10 1917

LOCATE WELL CORRECTLY
ANTHRA. OFFICE
D.C.C.

Company
Location of Well
Section
Town and Range
County
State
Date
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 sources.
Signed
Title

OIL OR GAS SANDS OR LINES

(Depth in feet)
No. 1 from
No. 2 from
No. 3 from
No. 4 from

IMPORTANT WATER SANDS

No. 1 from
No. 2 from
No. 3 from
No. 4 from

CASING RECORD

Depth
Weight
Length
Diameter
Type
Joint and galled from
Remarks

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redilling, 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 "drifted" 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.

HISTORY OF OIL OR GAS WELL

MUDGING AND REMEDIAL RECORD			
Depth	Amount of mud used	Kind of mud	Remarks
100	100	Water	
200	200	Water	
300	300	Water	
400	400	Water	
500	500	Water	
600	600	Water	
700	700	Water	
800	800	Water	
900	900	Water	
1000	1000	Water	
1100	1100	Water	
1200	1200	Water	
1300	1300	Water	
1400	1400	Water	
1500	1500	Water	
1600	1600	Water	
1700	1700	Water	
1800	1800	Water	
1900	1900	Water	
2000	2000	Water	
2100	2100	Water	
2200	2200	Water	
2300	2300	Water	
2400	2400	Water	
2500	2500	Water	
2600	2600	Water	
2700	2700	Water	
2800	2800	Water	
2900	2900	Water	
3000	3000	Water	
3100	3100	Water	
3200	3200	Water	
3300	3300	Water	
3400	3400	Water	
3500	3500	Water	
3600	3600	Water	
3700	3700	Water	
3800	3800	Water	
3900	3900	Water	
4000	4000	Water	
4100	4100	Water	
4200	4200	Water	
4300	4300	Water	
4400	4400	Water	
4500	4500	Water	
4600	4600	Water	
4700	4700	Water	
4800	4800	Water	
4900	4900	Water	
5000	5000	Water	
5100	5100	Water	
5200	5200	Water	
5300	5300	Water	
5400	5400	Water	
5500	5500	Water	
5600	5600	Water	
5700	5700	Water	
5800	5800	Water	
5900	5900	Water	
6000	6000	Water	
6100	6100	Water	
6200	6200	Water	
6300	6300	Water	
6400	6400	Water	
6500	6500	Water	
6600	6600	Water	
6700	6700	Water	
6800	6800	Water	
6900	6900	Water	
7000	7000	Water	
7100	7100	Water	
7200	7200	Water	
7300	7300	Water	
7400	7400	Water	
7500	7500	Water	
7600	7600	Water	
7700	7700	Water	
7800	7800	Water	
7900	7900	Water	
8000	8000	Water	
8100	8100	Water	
8200	8200	Water	
8300	8300	Water	
8400	8400	Water	
8500	8500	Water	
8600	8600	Water	
8700	8700	Water	
8800	8800	Water	
8900	8900	Water	
9000	9000	Water	
9100	9100	Water	
9200	9200	Water	
9300	9300	Water	
9400	9400	Water	
9500	9500	Water	
9600	9600	Water	
9700	9700	Water	
9800	9800	Water	
9900	9900	Water	
10000	10000	Water	
10100	10100	Water	
10200	10200	Water	
10300	10300	Water	
10400	10400	Water	
10500	10500	Water	
10600	10600	Water	
10700	10700	Water	
10800	10800	Water	
10900	10900	Water	
11000	11000	Water	
11100	11100	Water	
11200	11200	Water	
11300	11300	Water	
11400	11400	Water	
11500	11500	Water	
11600	11600	Water	
11700	11700	Water	
11800	11800	Water	
11900	11900	Water	
12000	12000	Water	
12100	12100	Water	
12200	12200	Water	
12300	12300	Water	
12400	12400	Water	
12500	12500	Water	
12600	12600	Water	
12700	12700	Water	
12800	12800	Water	
12900	12900	Water	
13000	13000	Water	
13100	13100	Water	
13200	13200	Water	
13300	13300	Water	
13400	13400	Water	
13500	13500	Water	
13600	13600	Water	
13700	13700	Water	
13800	13800	Water	
13900	13900	Water	
14000	14000	Water	
14100	14100	Water	
14200	14200	Water	