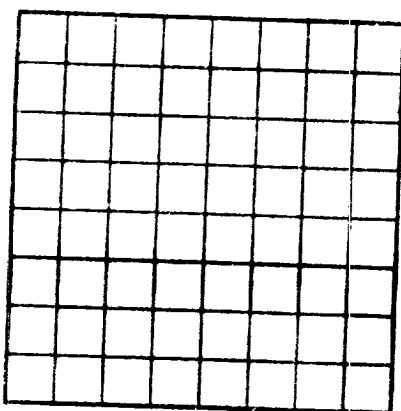




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Las Cruces
 SERIAL NUMBER 029137
 LEASE OR PERMIT TO PROSPECT Order

UNITED STATES **RECEIVED**
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 OCT 27 1955

U. S. G.
 ARTESIAN OFFICE

LOG OF OIL OR GAS WELL

Company Ray Hightower Address P.O. Box 218 Artesia, New Mexico
 Lessor or Tract Order Field Square Lake State New Mexico
 Well No. 4 Sec. 31 T. 16 R. 31 Meridian N.M.P.M. County Elddy
 Location 1980 ft. $\left\{ \frac{1}{8} \right\}$ of N Line and 3300 ft. $\left\{ \frac{1}{8} \right\}$ of N Line of Sec. 31 Elevation 3822
(Derrick base 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 _____

Date September 30Title Operator

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

Commenced drilling August 7, 1942 Finished drilling September 27, 1942

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 none 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—	
10"	50	8		520'	Irms				
8 1/2"	24			210'					
HISTORY OF LOG ON CVD 4511									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10"	520'	50 sacks	Halliburton		Circulated to surface Cemented, was pumped down with plug
8 1/2"	210'	50 sacks	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____

Adapters--Material

See

SUCCESS RECORD

TOOLS USED

Drill, 10" diameter, 10' long

feet to feet, and from feet to feet

Drill tools were used from

feet to 2412 feet, and from feet to feet

DATES

1942

1942

1942

1942

1942

1942

1942

1942

1942

COVERS

Carl Spier

1942

1942

J. E. Lynch

1942

FORMATION RECORD

FORMATION	DEPTH	FORMATION	DEPTH
0	1280	1280	red rock
220	1300	20	white rock
300	1320	120	anhydrite
370	1340	30	blue shale
470	1360	25	red rock
570	1380	10	salt
660	1400	600	salt & potash
1340	1420	40	anhydrite
1380	1440	130	anhydrite - coarse
1410	1460	40	red shale
1430	1480	20	red rock broken
1470	1500	25	anhydrite
1500	1520	35	red shale
1530	1540	35	anhydrite
1570	1560	1	red rock
1600	1580	1	red shale
1640	1600	732	anhydrite

Plugged well, due to 8" bit being washed out under 82" bit. Shale to 1640 feet.
Plugged with heavy mud to 1660 feet, run 10 inch casing; and ran up to top of
salt with heavy mud, ran another 10 inch casing; filled with cement - 1660 feet.

Cable tools were used from	to	
Rosary tools were used from	to	

The production for the first 24 hours was 100,000 cu. ft. of water; and 100,000 cu. ft. of gas. It was well, out for 24 hours. Rock pressure, the per cent of gas was 100,000 cu. ft. of gas.

[illegible]

FORMATION RECORD

ITEM	QTY	UNIT	PRICE	TOTAL
1000	100	EA	1.00	100.00
2000	200	EA	2.00	400.00
3000	300	EA	3.00	900.00
4000	400	EA	4.00	1600.00
5000	500	EA	5.00	2500.00
6000	600	EA	6.00	3600.00
7000	700	EA	7.00	4900.00
8000	800	EA	8.00	6400.00
9000	900	EA	9.00	8100.00
10000	1000	EA	10.00	10000.00
11000	1100	EA	11.00	12100.00
12000	1200	EA	12.00	14400.00
13000	1300	EA	13.00	16900.00
14000	1400	EA	14.00	19600.00
15000	1500	EA	15.00	22500.00
16000	1600	EA	16.00	25600.00
17000	1700	EA	17.00	28900.00
18000	1800	EA	18.00	32400.00
19000	1900	EA	19.00	36100.00
20000	2000	EA	20.00	40000.00
21000	2100	EA	21.00	44100.00
22000	2200	EA	22.00	48400.00
23000	2300	EA	23.00	52900.00
24000	2400	EA	24.00	57600.00
25000	2500	EA	25.00	62500.00
26000	2600	EA	26.00	67600.00
27000	2700	EA	27.00	72900.00
28000	2800	EA	28.00	78400.00
29000	2900	EA	29.00	84100.00
30000	3000	EA	30.00	90000.00
31000	3100	EA	31.00	96100.00
32000	3200	EA	32.00	102400.00
33000	3300	EA	33.00	108900.00
34000	3400	EA	34.00	115600.00
35000	3500	EA	35.00	122500.00
36000	3600	EA	36.00	129600.00
37000	3700	EA	37.00	136900.00
38000	3800	EA	38.00	144400.00
39000	3900	EA	39.00	152100.00
40000	4000	EA	40.00	160000.00
41000	4100	EA	41.00	168100.00
42000	4200	EA	42.00	176400.00
43000	4300	EA	43.00	184900.00
44000	4400	EA	44.00	193600.00
45000	4500	EA	45.00	202500.00
46000	4600	EA	46.00	211600.00
47000	4700	EA	47.00	220900.00
48000	4800	EA	48.00	230400.00
49000	4900	EA	49.00	240100.00
50000	5000	EA	50.00	250000.00

...to the day of
is got of an
... ..

FORMALION RECORD—continued