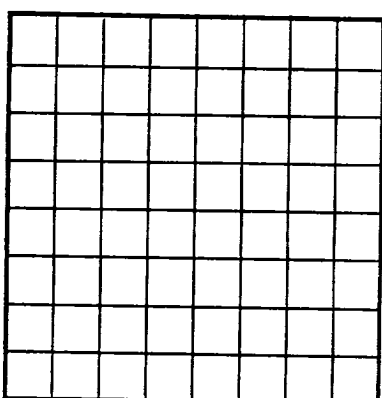


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 028785
LEASE OR PERMIT TO PROSPECT _____

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Mac T. Anderson Address Box 95, Artesia, New Mexico
Lessor or Tract Louis J. Root Field Leonard State New Mexico
Well No. 1 Sec. 12 T. 17S R. 29E Meridian NMPM County Eddy
Location 660 ft. {N.} of S Line and 660 ft. {E.} of W. Line of Section 12 Elevation 3645
(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 J. E. Keith
Date January 30, 1940 Title Production manager

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

Commenced drilling Sept 18, 1939 Finished drilling January 28, 1940

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2512 to 2557 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 330 to 340 No. 3, from _____ to _____
No. 2, from 1950 to 1960 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 1/4</u>	<u>32</u>		<u>Lapweld</u>	<u>453</u>	<u>Reg.</u>				<u>top of s</u>
<u>6</u>	<u>24</u>		<u>"</u>	<u>2300'</u>	<u>Tex Pat</u>		<u>Oil string in line</u>		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 1/4</u>	<u>453</u>	<u>50</u>	<u>Gibson</u>		<u>None</u>
<u>6</u>	<u>2300</u>	<u>100</u>	<u>"</u>		<u>100</u>

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material none Size none

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
<u>4"</u>		<u>Nitro Glyc</u>	<u>100 qts</u>	<u>1-27-40</u>	<u>45'</u>	<u>125'</u>

TOOLS USED

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

DATES

_____, 19____ Put to producing February 3, 1940

The production for the first 24 hours was 150 barrels of fluid of which 99 % was oil; 101 % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 38

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

C. T. Hegwer, Driller J. O. Wood, Driller
Lee Doyle, Driller Paul Hegwer, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>40</u>		<u>caliche & red bed</u>
<u>40</u>	<u>55</u>		<u>red bed</u>
<u>55</u>	<u>75</u>		<u>sand</u>
	<u>105</u>		<u>shale & sand</u>
	<u>125</u>		<u>gray shale</u>
	<u>150</u>		<u>red bed & shale</u>
	<u>175</u>		<u>gyp & shale</u>
	<u>200</u>		<u>red bed</u>
	<u>250</u>		<u>sand</u>
	<u>270</u>		<u>hard sand</u>
	<u>300</u>		<u>sand & red bed</u>
	<u>340</u>		<u>sand</u>
	<u>350</u>		<u>anhy</u>
	<u>355</u>		<u>red bed</u>
	<u>360</u>		<u>sand & red bed</u>
	<u>380</u>		<u>gyp & sand</u>
	<u>400</u>		<u>red bed</u>
	<u>450</u>		<u>gyp & rock & sand</u>
	<u>460</u>		<u>sand</u>
	<u>470</u>		<u>salt</u>
	<u>485</u>		<u>anhy</u>
	<u>885</u>		<u>salt</u>
	<u>910</u>		<u>anhy</u>
	<u>915</u>		<u>5' red rock</u>
	<u>945</u>		<u>anhy</u>
	<u>965</u>		<u>salt</u>
	<u>1050</u>		<u>anhy</u>
	<u>1060</u>		<u>red bed</u>
	<u>1070</u>		<u>anhy</u>

227800 OPTICAL

LOCATE NELL CORRECTION

[illegible]

10-11-1944

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED

Station	Depth	Temperature	Direction	Force	Time
1	10	20.0	100	1.0	10.0
2	20	19.5	110	1.2	10.5
3	30	19.0	120	1.5	11.0
4	40	18.5	130	1.8	11.5
5	50	18.0	140	2.0	12.0
6	60	17.5	150	2.2	12.5
7	70	17.0	160	2.5	13.0
8	80	16.5	170	2.8	13.5
9	90	16.0	180	3.0	14.0
10	100	15.5	190	3.2	14.5
11	110	15.0	200	3.5	15.0
12	120	14.5	210	3.8	15.5
13	130	14.0	220	4.0	16.0
14	140	13.5	230	4.2	16.5
15	150	13.0	240	4.5	17.0
16	160	12.5	250	4.8	17.5
17	170	12.0	260	5.0	18.0
18	180	11.5	270	5.2	18.5
19	190	11.0	280	5.5	19.0
20	200	10.5	290	5.8	19.5
21	210	10.0	300	6.0	20.0
22	220	9.5	310	6.2	20.5
23	230	9.0	320	6.5	21.0
24	240	8.5	330	6.8	21.5
25	250	8.0	340	7.0	22.0
26	260	7.5	350	7.2	22.5
27	270	7.0	360	7.5	23.0
28	280	6.5	370	7.8	23.5
29	290	6.0	380	8.0	24.0
30	300	5.5	390	8.2	24.5
31	310	5.0	400	8.5	25.0
32	320	4.5	410	8.8	25.5
33	330	4.0	420	9.0	26.0
34	340	3.5	430	9.2	26.5
35	350	3.0	440	9.5	27.0
36	360	2.5	450	9.8	27.5
37	370	2.0	460	10.0	28.0
38	380	1.5	470	10.2	28.5
39	390	1.0	480	10.5	29.0
40	400	0.5	490	10.8	29.5
41	410	0.0	500	11.0	30.0
42	420	-0.5	510	11.2	30.5
43	430	-1.0	520	11.5	31.0
44	440	-1.5	530	11.8	31.5
45	450	-2.0	540	12.0	32.0
46	460	-2.5	550	12.2	32.5
47	470	-3.0	560	12.5	33.0
48	480	-3.5	570	12.8	33.5
49	490	-4.0	580	13.0	34.0
50	500	-4.5	590	13.2	34.5
51	510	-5.0	600	13.5	35.0
52	520	-5.5	610	13.8	35.5
53	530	-6.0	620	14.0	36.0
54	540	-6.5	630	14.2	36.5
55	550	-7.0	640	14.5	37.0
56	560	-7.5	650	14.8	37.5
57	570	-8.0	660	15.0	38.0
58	580	-8.5	670	15.2	38.5
59	590	-9.0	680	15.5	39.0
60	600	-9.5	690	15.8	39.5
61	610	-10.0	700	16.0	40.0
62	620	-10.5	710	16.2	40.5
63	630	-11.0	720	16.5	41.0
64	640	-11.5	730	16.8	41.5
65	650	-12.0	740	17.0	42.0
66	660	-12.5			

Well producing oil from 2512 to 2553.

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 "adetracked" 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

U. S. GOVERNMENT PRINTING OFFICE

FORMATION	THICKNESS	DEPTH	DESCRIPTION
red rock	1115	1115	
any & red bed	1145	1115	
red bed	1165	1115	
red rock	1200	1115	
red bed	1220	1115	
red bed	1310	1115	
any	1320	1115	
red bed	1400	1115	
any	1405	1115	
gray sand	1490	1115	
any	1500	1115	
lime	1520	1115	
any	1540	1115	
lime	1675	1115	
any	1695	1115	
red bed	1830	1115	
any & red bed	1860	1115	
any & broken shale	1910	1115	
any	1920	1115	
red & blue shale	1940	1115	
sand & shale	1960	1115	
sand	1970	1115	
sand & shale	1975	1115	
any	1990	1115	
any & red rock	2000	1115	
lime & any	2075	1115	
any & red rock	2030	1115	
blue shale & any	2045	1115	
any & lime	2060	1115	
any & shale	2095	1115	
any & lime	2105	1115	
lime	2120	1115	
any & red bed	2130	1115	
any	2150	1115	
sandy shale	2165	1115	
any & sand	2210	1115	
sand & shale	2250	1115	
any & red rock	2260	1115	
sand	2270	1115	
any	2285	1115	
any & lime	2295	1115	
red bed	2305	1115	
red rock & lime	2325	1115	
any & any	2335	1115	
any & shale	2371	1115	
gray lime	2450	1115	
lime & any	2480	1115	
gray lime	2500	1115	
lime	2512	1115	
lime, any oil & gas	2520	1115	
sandy lime	2530	1115	
lime	2540	1115	
gray lime	2560	1115	
sandy lime	2563	1115	
hard gray lime		1115	
TOTAL FEET	1115		