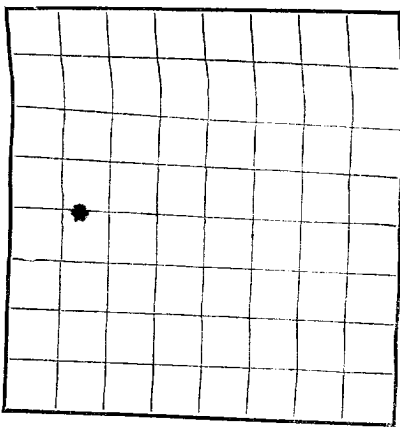


U. S. LAND OFFICE

SERIAL NO. 10-962194
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company EMPEROR OIL COMPANY & COX & HAMON Address 1810 Electric Building Fort Worth 2, Texas
Lessor or Tract Emperor-Federal No. 1 Field Lynch State New Mexico
Well No. 1 SW-NW T. 20 R. 34 Meridian Lea County New Mexico
Location 1 ft. 2310 S. of N. Line and 34 ft. 990 E. of W. Line of 35-20-34 Elevation 3746
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 [Signature]

Date February 14, 1953 Title Secretary-Treasurer
The summary on this page is for the condition of the well at above date.

Commenced drilling 1-1, 1953 Finished drilling 2-4, 1953

OIL OR GAS SANDS OR ZONES
(Denote gas by G)
No. 1, from 3708 to 3715 No. 4, from _____ to _____
No. 2, from 3708 to 3715 No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS
No. 1, from 250 to 260 No. 3, from _____ to _____
No. 2, from 990 to 990 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>3-3/8"</u>	<u>48</u>	<u>8.84</u>		<u>86</u>	<u>Regular</u>	<u>86</u>			
<u>3-1/2"</u>	<u>52.75</u>	"		<u>740</u>	"	<u>740</u>			
<u>5-8"</u>	<u>24</u>	"		<u>1230</u>	"	<u>1230</u>			
<u>1-1/2"</u>	<u>14</u>	"		<u>3176</u>	"	<u>3176</u>			
<u>1-1/2"</u>	<u>15.5</u>	"		<u>3700</u>	"	<u>3700</u>			<u>Oil String</u>

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>5-1/2"</u>	<u>3680</u>	<u>700-10% sal</u>	<u>150 Keet Halliburton</u>		<u>Circulated Cement to surface</u>
<u>2"</u>	<u>3700</u>				<u>Circulated cement to Surface</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 3734 feet, and from _____ feet to _____ feet

DATES
Put to producing 2-12, 1953
The production for the first 24 hours was 35 barrels of fluid of which 100 % was oil; 0 % emulsion; _____ % water; and _____ % sediment.
Gravity, °Bé. 30.3 Deg.
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES
Frank Allen, Driller T. H. Bennett, Driller
W. L. Bohannon, Driller O. B. Bryan, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	18	18	Caliche
18	60	42	Sand
60	200	140	Red Shale
200	290	90	Gray Sandy Shale
290	750	460	Red Shale
750	940	190	Red Sandy Shale
940	970	30	Sand Water, H.F.
970	1200	230	Red Sandy Shale
1200	1630	430	Red Shale
1630	1700	70	Anhydrite
1700	3325	1625	Salt Section
3325	3515	190	Lime
3515	3600	85	Yates Section
3600	3635	35	White Lime
3635	3645	10	Sandy Lime
3645	3711	66	White Lime
3711	3715	5	Lime
3715	3724	9	Lime and Sand
3724	3734	10	Lime
3734			TOTAL DEPTH

Show of oil at 3706 to 3710

