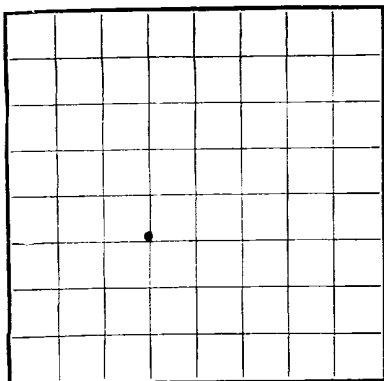


U. S. LAND OFFICE **New Mexico**SERIAL NUMBER **LC-069832-C**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Lion Oil Company** Address **P. O. Box 492, Snyder, Texas**
Lessor or Tract **Erwin** Field **S. Drickey-Queen** State **New Mexico**
Well No. **5** Sec. **5** T. **15S** R. **31E** Meridian **NMPM** County **Chaves**
Location **1980** ft. **N.** of **S.** Line and **1981.08** ft. **E.** of **W.** Line of **Sec. 5** Elevation **4455** D.F.
(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

Date **April 1, 1955**Title **Dist. Supt.**

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

Commenced drilling **3 - 5**, 19**55** Finished drilling **3 - 13**, 19**55**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3109** to **3116** 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 Encountered** 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—	
10-3/4"	41	8V		311.10'	Float				Surface
5-1/2"	15.5	8R		3132.01'	Float shoe		3109	3116	Oil String
					Float collar				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	326.44'	250	Displaced & Plug		
5-1/2"	3144.51'	150	"	"	

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 **0** feet to **3159** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

April 1, 19**55** Put to producing **3 - 20**, 19**55**

The production for the first 24 hours was **185*** barrels of fluid of which **99.8** % was oil; _____ % emulsion; _____ % water; and **.2** % sediment. Gravity, ~~xxx~~ **38° API**

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

Rock pressure, lbs. per sq. in. **Unknown** (* Based on 154 Bo/20 hr. test)

EMPLOYEES

Jennings Drilling Co.
E. G. Holly, Driller **Leo Koshm**, Driller
J. M. Adams, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	25	25	Caliche
25	290	265	Sand and shale
290	1355	1065	Red sand & red shale w/traces lime
1355	1450	95	Anhydrite, dolomite & sand
1450	2160	710	Salt and anhydrite
2160	2315	155	Anhydrite, sand, shale & salt
2315	2445	130	Red sand & shale, some anhydrite
2445	3108	663	Anhy. w/some dolomite & red sand & shale
3108	3126	18	Fine sand, red & gray - oil show
3126	3159	33	Anhydrite, sand and shale
	3159		Total depth - Plug back total depth 3143

Attached: 1 copy of sample description and 1 copy of inclination survey

INCLINATION SURVEY

Erwin No. 5

<u>Degree</u>	<u>Depth</u>	
1/2	870	
1/2	1321	
3/4	1770	
1-1/4	2300	
1-3/4	2655	
2-1/2	3025	Maximum
1-3/4	3136	

