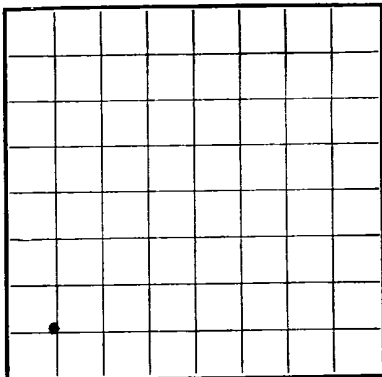


U. S. LAND OFFICE **New Mexico**

SERIAL NUMBER **LC-068288-B**  
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APR 4 1955

LOG OF OIL OR GAS WELL

Company **Lion Oil Company** Address **Box 492, Snyder, Texas**  
Lessor or Tract **Ethel** Field **Undesignated** State **New Mexico**  
Well No. **1** Sec. **25** T. **13S.** R. **31E.** Meridian **NMPM** County **Chaves**  
Location **660** ft. <sup>N.</sup> of **S** Line and **660** ft. <sup>E.</sup> of **W** Line of **Sec. 25** Elevation **4412**  
(Derive 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 *L. Bailey*

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 - 4**, 19**55** Finished drilling **3 - 12**, 19**55**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3055** to **3065** 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 \_\_\_\_\_ 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—	
10-3/4"	41	8V		303'	Float				Surface
5-1/2"	25.9	8V		300-25'	Float Shoe	3055	3065		oil Spring
					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"	316.50'	250	Displaced & Plug		
5-1/2"	3100.85'	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 **3102** 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 - 15**, 19**55**  
The production for the first 24 hours was **600\*** barrels of fluid of which **99.8%** was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and **.02%** sediment. Gravity, **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 100 BO on 4 hr. test)

EMPLOYEES

**Smith Drilling Company**  
**D. D. Wedgeworth**, Driller **R. D. Anderson**, Driller  
**W. G. Campbell**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	23	23	Caliche
23	280	257	Sand and shale
280	1470	1190	Red sand & red shale w/traces lime
1470	1565	95	Anhydrite, dolomite & sand
1565	2150	585	Salt and anhydrite
2150	2290	140	Anhydrite, sand, shale, salt
2290	2420	130	Red sand & shale - some anhydrite
2420	3054	634	Anhydrite w/some dolomite, sand and red shale
3054	3072	18	Fine sand - gray & red - oil show
3072	3102	30	Anhydrite, sand & shale
	3102		TD - PBD 3080

Attached: 1 copy of sample description and 1 copy of Inclination Survey

FOLD MARK



ETHEL #1

INCLINATION SURVEY

<u>Degree Deviation</u>	<u>Depth</u>
1-1/4	300'
3/4	665'
3/4	756'
1-3/4	1920'
1	2495'

Table 1

Table 1. Summary of the data.

Year	Number of cases	Percentage (%)
1998	100	100
1999	100	100
2000	100	100
2001	100	100
2002	100	100
2003	100	100