

U. S. LAND OFFICE **New Mexico**
SERIAL NUMBER **LC-068288B**
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APR 11 1955

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **Lion Oil Company** Address **Box 492, Snyder, Texas**
Lessor or Tract **Ethel** Field **Undesignated** State **New Mexico**
Well No. **2** Sec. **25** T. **13S** R. **31E** Meridian **NMPM** County **Chaves**
Location **660 ft. [N.] of S. Line and 1980 ft. [E.] of W. Line of Sec. 25** Elevation **4401**
(Derriek 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. H. Gray**

Date **April 5, 1955** Title **Dist. Supt.**

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

Commenced drilling **3 - 17**, 19**55** Finished drilling **3 - 27**, 19**55**

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from **3055** to **3063** 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		317.30'	Float				Surface
5-1/2"	19.5#	8V		1087.37'	Collar		3055	3063	Oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	329'	250	Displaced & Plug		
5-1/2"	3098.09'	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 **3100** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

4 - 5, 19**55** Put to producing **3 - 31**, 19**55**

The production for the first 24 hours was **360*** barrels of fluid of which **99.8%** was oil; _____%
emulsion; **.2%** water; and _____% sediment. Gravity, **°Bé. 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 195 BO/13 hrs.)

EMPLOYEES

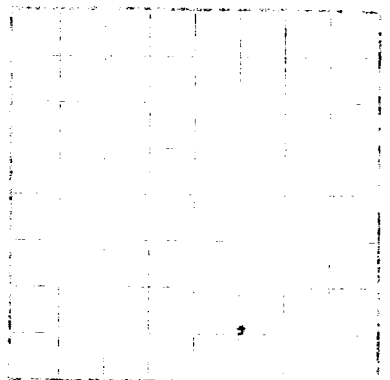
Smith Drilling Company
D. D. Wedgeworth, Driller **R. D. Anderson**, Driller
C. F. Burns, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	25	25	Caliche
25	290	265	Sand fine to med. w/shale.
290	1472	1182	Red sand & red shale w/trace of dolo. & lime.
1472	1570	98	Anhy., dolomite & sand
1570	2160	590	Salt & anhy.
2160	2300	140	Anhy., sand, shale & salt
2300	2430	130	Red sand, shale w/some anhy.
2430	3055	625	Anhy. w/sand & red shale
3055	3068	13	Fine gray sand
3068	3100	32	Anhy., sand & shale
	3100		Total Depth, PSTD 3087'.

Attached: 1 copy of Sample Description and 1 copy of Inclination Survey.

LOG OF OIL OR GAS WELL



and it needs to flow out to sea through the

PAGE TWO

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BY MAIL TO THE NATIONAL ARCHIVES

C O N T E N T S

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It is of the greatest importance to have a complete history of the well. Please state in detail the dates of retinning, 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 "blacked" 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

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

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INCLINATION SURVEY

<u>Degrees Deviation</u>	<u>Depth</u>
1-3/4	300'
1-1/4	1750'
1	2000'
2	2525'
2-1/2	2695'
2-3/4	2730'
3	3090' Maximum