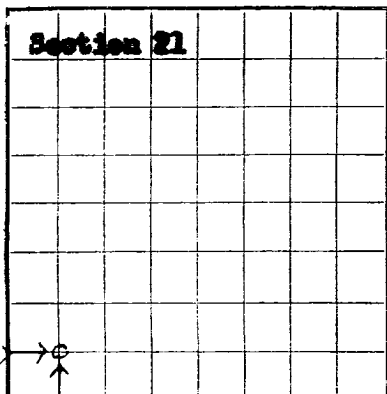


U. S. LAND OFFICE **Hobbs, New Mexico**SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT **058677-A**

Section 21

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **Lone Star Producing Company** Address **Box 4815, Midland, Texas**
Lessor or Tract _____ Field **South Prairie Penn** State **New Mexico**
Well No. **1** Sec. **21** T. **8-S** R. **36-E** Meridian **MPN** County **Roosevelt**
Location **660** ft. **N.** of **S.** Line and **660** ft. **E.** of **W.** Line of **Section 21** Elevation **4,115** Gr.
(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 **January 6, 1961**Title **Dist. Supt. of Prod.**

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

Commenced drilling **November 25**, 19 **60** Finished drilling **January 1**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **9,688** feet to **9,718** feet 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—	
13-3/8"	138	8 rd.	J & L	423'	Irwin	0'			
9-5/8"	88	8 rd.	Irwin	332'	Irwin	0'			
7" O.D.	23.625	8 rd.	J & L	9,769'	Irwin	0'	9,693'	9,713'	Completion
2-3/8"	4.70	8 rd.	Pipe	9,715'					
E.U.E.			Irwin						

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8"	423'	400 (circulated)	Pump plug	--	--
9-5/8"	332'	2043 (circulated)	Pump plug	--	--
7" O.D.	9769'	500 Top of cement behind 7" O.D. 7,780 feet.			

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 **9769** feet, and from _____ feet to _____ feet

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

DATES

_____, 19 _____ Put to producing **January 4**, 19 **61**

The production for the first 24 hours was **431.44** barrels of fluid of which **100**% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. **19.2**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller

A. G. Martin**Ous Lamb, Jr.**

_____, Driller _____, Driller

J. O. Brooks**A. G. Roper**

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0'	39'	39'	Caliche & Hard Sand
39'	200'	161'	Sand Rock & Red Shale
200'	450'	250'	Red Bed
450'	1,340'	890'	Red Bed & Shale
1,340'	2,068'	728'	Red Bed, Shale, Sand Streaks
2,068'	2,246'	178'	Anhydrite, Gyp, Salt, Sand
2,246'	2,353'	107'	Sand, Anhydrite, Red Shale
2,353'	2,830'	477'	Salt & Anhydrite
2,830'	3,417'	587'	Salt, Anhydrite, Gyp
3,417'	3,998'	581'	Anhydrite & Salt
3,998'	4,129'	131'	Anhydrite & Lime
4,129'	4,169'	40'	Anhydrite, Gyp, Lime
4,169'	4,311'	142'	Anhydrite & Lime
4,311'	4,333'	22'	Lime
4,333'	6,842'	2,509'	Lime, Sand, Shale
6,842'	6,966'	124'	Lime, Sand, Shale, Anhydrite
6,966'	7,473'	507'	Lime, Sand, Shale
7,473'	7,759'	286'	Lime & Sand
7,759'	8,420'	661'	Lime, Shale, Anhydrite
8,420'	8,718'	298'	Lime
8,718'	9,769'	1,051'	Lime, Chert, Sand, Shale
	T.D.		

