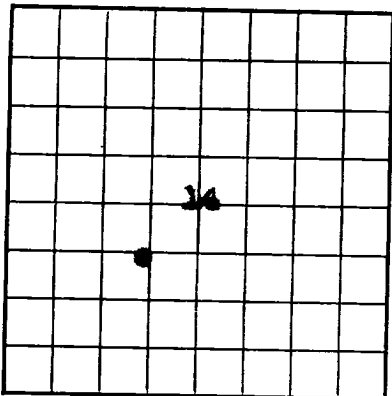


U. S. LAND OFFICE **Las Cruces**
SERIAL NUMBER **029518 (a)**
LEASE OR PERMIT TO PROSPECT **J. S. Lea (a) lease**



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **The Texas Company** Address **Drawer 2, Albia, Texas**
Lessor or Tract **J. S. Lea (a)** Field **North Lynch** State **New Mexico**
Well No. **3** Sec. **14-20E** R. **34E** Meridian **N.M.P.M.** County **Lea**
Location **440 ft. (N.) of 3 Line and 440 ft. (E.) of 4 Line of NE 1/4 SW 1/4 SEC. 14** Elevation **3654 (L.S.)**
(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.

Date **August 8, 1938** Signed **[Signature]** Title **District Superintendent**

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

Commenced drilling **June 15,** 19 **38** Finished drilling **August 8,** 19 **38**

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

No. 1, from **dry** to _____ No. 4, from **dry** to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **244** to **280** No. 3, from _____ to _____
No. 2, from **280** to **3708** 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—	
15"	40	8	13	218'	Regular pattern				
13"	35	8	13	138'	Regular pattern				
8-5/8"	15	8	13	10'	Regular pattern				
7"	10	8	13	30'	Regular pattern				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity
15"	221'	200	Halliburton	
8-5/8"	1581'	75	"	
7"	3529'	60	"	

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 **1585** feet, and from _____ feet to _____ feet
Cable tools were used from **1585** feet to **3708** feet, and from _____ feet to _____ feet

DATES

August 8, 19 **38 on test** Put to producing _____, 19 _____
The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; **100** % water; and _____ % sediment. Gravity, °Bé. _____
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

A. W. Taylor, Driller **H. R. Williams**, Driller
C. C. White, Driller **Guy Smith**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	180	180	Caliche and white sand
180	244	64	Red rock and red beds
244	280	36	water sand
280	385	105	Red beds and shells
385	1098	714	Red rock and red beds
1098	1218	120	Red rock and shells
1218	1540	322	Red rock, red beds and shells
1540	1695	155	Anhydrite
1695	1779	84	Salt and some corals
1779	2065	286	Anhydrite, salt and red beds
2065	2205	140	salt and anhydrite
2205	2345	140	Salt and red beds
2345	2472	127	Salt
2472	2944	472	Salt and potash
2944	3280	336	Salt
3280	3310	30	Anhydrite
3310	3380	70	Brown lime and anhydrite.
3380	3480	100	Anhydrite, sand and lime
3480	3510	30	Anhydrite and lime
3510	3540	30	Sand, anhydrite, and lime
3540	3585	45	Lime and some sand
3585	3670	85	Sand
3670	3680	10	Sand and lime
3680	3682	2	Sandy lime and anhydrite
3682	3690	8	white lime

LOG OF OIL OR GAS WELL

SECRET

[illegible]

HISTORY OF OIL OR GAS WELL

FROM	TO	TOTAL FEET	FORMATION RECORD	EMPLOYERS	REMARKS
1000	2400	1400	1000 - 1000 2000 - 1000 3000 - 1000 4000 - 1000 5000 - 1000 6000 - 1000 7000 - 1000 8000 - 1000 9000 - 1000 10000 - 1000	1000 - 1000 2000 - 1000 3000 - 1000 4000 - 1000 5000 - 1000 6000 - 1000 7000 - 1000 8000 - 1000 9000 - 1000 10000 - 1000	1000 - 1000 2000 - 1000 3000 - 1000 4000 - 1000 5000 - 1000 6000 - 1000 7000 - 1000 8000 - 1000 9000 - 1000 10000 - 1000