

Form 9-330

U. S. LAND OFFICE **NM 08529**

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company **The Texas Company** Address **P. O. Box 352, Midland, Texas**
Lessor or Tract **Etz-Federal NCT-1** Field **Square Lake** State **New Mexico**
Well No. **2** Sec. **31** T. **16-S** R. **30-E** Meridian **NMPM** County **Eddy**
Location **660** ft. **N.** of **S** Line and **660** ft. **E.** of **W** Line of **Section 31** Elevation **3705' (DF)**
(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 **February 25, 1959** Signed **[Signature]** Title **Asst. Dist. Supt.**

The summary on this page is for the condition of the well at above date, **February 7, 1959**
Commenced drilling **February 7, 1959** Finished drilling **February 17, 1959**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)
No. 1, from **2685'** to **2740** 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—	
8 5/8"	24.	8 rd.	J-55	464'	HMC	NONE	-	-	SURFACE PRODUCTION
4 1/2"	11.60	8 rd.	J-55	2770'	BAKER	NONE	2685	2740	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	475'	340	Pump	-	-
4 1/2"	2785'	400	Pump	-	-

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 **2785** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

February 25, 19**59** Put to producing **February 22**, 19**59**

The production for the first 24 hours was **320** barrels of fluid of which **100** % was oil; **0** %
emulsion; **0** % water; and **0** % sediment. Gravity, °Bé. **33.3**

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

T. O. McElveen, Driller **D. R. Lamb**, Driller
J. L. Grace, Jr., Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	475	475	Red Bed & Anhy.
475	2004	1529	Anhy. & Salt.
2004	2535	531	Anhy. & Lime
2535	2610	75	Lime
2610	2677	67	Anhy. & Lime
2677	2740	63	Dolomite, shale, sand & lime
2740	2785	45	Lime
Total Depth	2785		
PBTD	2760		

DEVIATION RECORD

DEPTH	DEGREES OFF
254	1/2
800	3/4
1909	1/2
2200	1
2445	3/4
2785	3/4

FORMATION RECORD—Continued

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of re-drilling, 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 "sidetracked" 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 pigs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing. Spudded 12 1/4" Hole 4:30 P.M. 2-4-59. Set 6 1/4" or 8 5/8" Csg. @ 475'. Cemented. W/150 wt. cement. Cnt. situated. Job complete 6:00 P.M. 2-8-59. C&G No. 1 - From 2538 to 2588. Recovered 50'.

W/240 sec. cement. Cnt. circulated. Job complete 6:00 P.M. 2-8-59.
Core No. 1 - From 2538 to 2588. Recovered 50'.

Case No. 1 - From 2538 to 2588. Recovered 50%.

Case No. 2 - From 2690 to 2712 - Recovered 51.

REF ID: A66043

Set 2110' or 1 1/2" csg. @ 2165'. Cemented 8/300 ex. 4% gel. & 100 ex. Reg. comp. 1/20 P.M. 2-17-59. Drilled out cement to 2160'. Perforated 1 1/2" csg. 2685 to 2694' and 2726 to 2740 w/ 4 shots per ft. Acidized all perfor. w/ 1000 gals. HCl acid & fractured 8/20,000 gals refined oil and 40,000 sand. Comp. 4:00 P.M. 2-20-59. Set 2 3/8" OD tubing at 2730'. Recovered all lost oil. On 3-hr. potential test ending 2:00 P.M. 2-22-59 well flowed 40 bbls. oil and water thru 23/64" choke. Gravity 33.3 GOR 945 producing from square lake area. Top pay 2685'

Top Pay 2005

Total Depth 2785'

1. *Journal of the American Medical Association*, 1997; 277: 1033-1036.

"We are going to have a very good year," says the president.

[illegible][illegible]