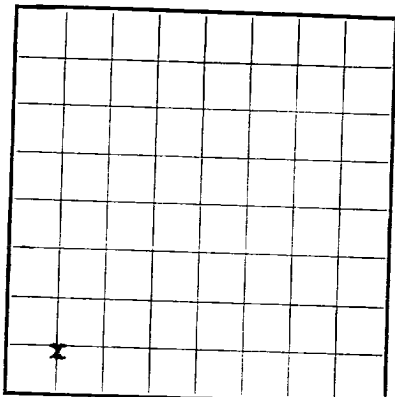


U. S. LAND OFFICE
SERIAL NUMBER **NM 08529**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

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 N.T.M. 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.
Signed [Signature]
Date February 25, 1959 Title Asst. Dist. Supt.

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

Commenced drilling February 7, 19 59 Finished drilling February 17, 19 59

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'	HOWCO	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 _____ 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 _____, Driller
J. L. Grace, Jr., Driller D. R. Lamb, 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		
All measurements from rotary table or 7' above ground level			

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]

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, 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 plugs 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. 2-7-59. Set 46 1/2' of 8 5/8" Csg. @ 475' cemented w/ 3/40 gr. cement. Unit. circulated. Job complete 6:00 P.M. 2-8-59

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

Core No. 2 - From 2660 to 2712 - Recovered 51%.

Core No. 3 - From 2712 to 2764 - RECOVERED 52%

Set 27701 of 4 1/2" csg. @ 2785'. Cemented w/300 sx. 4% gel & 100
filled off cement to 27601' 2-17-59

EX. TEST. comp. 1:20 P.M. 2-20-59. 2685 to 2694 and 2728 to 2740 w/4 shots per lb. Acidized
 PREPARED 4 1/2" cas. 2685 to 2694 and 2728 to 2740 w/4 shots per lb. Acidized
 all perts. w/1000 gals. 1ST acid and fractured w/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 lead oil on 3 hr. potential test ending 2:00 P.M. 2-22-59. Well flowed
 40 bbls. oil and no water thru 23/64" choke. Gravity 33.3 GOR 945 producing from
 Square Lake Queen.

TOTAL PAY 26851

Bottom Pay 27401

Test Depth 2785' PBLD 2760'

ITC. Date 2-22-59