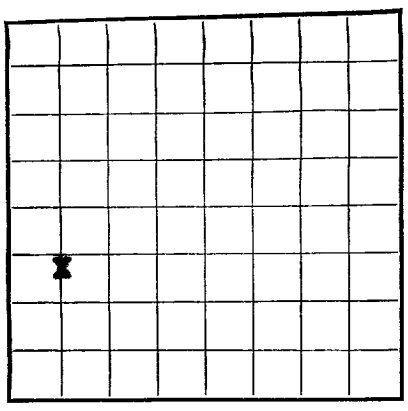
Form 9-330

udget Bureau No. 42-R355.4.
pproval expires 12-31-60.

NOTED
JAN 4 1961
STANDLEY

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 062300
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Tennessee Gas Transmission Co. Address Box 307, Hobbs, New Mexico
Lessor or Tract G. E. Jordan-USA Field Undesignated State New Mexico
Well No. 4 Sec. 15 T. 25-S R. 32-E Meridian NMPM County Lea
Location 1980 ft. {N./S.} of S Line and 660 ft. {E./W.} of W Line of Sec. 15 Elevation 3432 (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 C. W. Nance C. W. Nance

Date December 29, 1960 Title District Petroleum Engineer

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

Commenced drilling December 15, 19 60 Finished drilling December 23, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4657 to 4696 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 From—	Perforated To—	Purpose
8 5/8	24#	8 Rd	Bull	384	Guide Shoe				Surface
5 1/2	14#	8 Rd	Bull	4774	Guide Shoe & Float Collar		4657	4676	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	384	200	Pump & Plug	Fresh Water	
5 1/2	4774	150	Pump & Plug	10.3	

FOLD MARK

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 4774 feet, and from ____ feet to ____ feet
Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

December 29, 19 60 Put to producing December 29, 19 60

The production for the first 24 hours was 44 barrels of fluid of which 100% was oil; 0% emulsion; 0% water; and 0% 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

____, Driller ____, Driller
____, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	11	11	KB to GL
11	772	761	Undifferentiated sd & sh
772	1138	366	Anhydrite & sd
1138	4378	3240	Salt w/anhydrite stringers
4378	4603	225	Anhydrite
4603	4628	25	Sdy lime
4628	4774	146	Sd & sh

Formation tops:

T/Rustler:	772
T/Salt:	1138
B/Salt:	4378
T/Lamar:	4603
T/Delaware:	4628

[OVER]

16—43094-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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

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.

1. Drilled 12¼" hole w/rotary tools to 389'. Ran 384' 8 5/8" O.D. 24# csg & cmtd w/200 sx. Circulated cmt to surface. WOC 24 hrs. Tested csg to 600 psi. Held OK.
2. Drilled 7 7/8" hole from 389' to 4642'.
3. Cored from 4642' to 4774' w/7 13/16" core head.
4. Ran Sonic-Gamma Ray & Laterolog logs.
5. Ran 148 joints 5 ½" O.D., [illegible] csg & cmtd @ 4774' w/150 sx.
6. Top cmt @ 4160 (temperature survey). WOC 18 hrs, pressure tested csg to 1500 psi. Held OK.
7. Perforated csg from 4665' to 4676' w/4 jets per foot.
8. Acidized perforations w/500 gals mud acid.
9. Opened well into flowing state.
10. Potential test, 12/29/60, flowed [illegible] BO in 22 hrs.

OIL OR GAS SANDS OR ZONES

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

STANDARD