Form 9-330

Form approved.
Budget Bureau No. 42-R355.4.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER LC 062269-A
LEASE OR PERMIT TO PROSPECT

HOBBS OFFICE OCC

1962 NOV 20 AM 8 53

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company TENNECO CORPORATION BY ITS MANAGING AGENT TENNECO OIL COMPANY Address Box 307, Hobbs, New Mexico

Lessor or Tract U. S. Smelting-USA Field Undesignated State New Mexico

Well No. 5 Sec. 22 T. 24-S R. 32-E Meridian NMPM County Lea

Location 990 ft. {N. / S.} of S Line and 330 ft. {E. / W.} of E Line of Sec. 22 Elevation 3591 (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 A. W. Lang

Date November 8, 1962 Title Dist. Prod. Superintendent

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

Commenced drilling October 4, 19 62 Finished drilling October 11, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4914 to 4940 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	32#	8 rd	H-40	346	Guide				Surface String
5 1/2	14# & 15.5#	8 rd	J-55	4994	Guide		4913		Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	346	225	Pump & Plug	Native	
5 1/2	4994	200	Pump & Plug	10.2	

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 4995 feet, and from feet to feet

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

DATES

November 8, 19 62 Put to producing November 2, 19 62

The production for the first 24 hours was 35 barrels of fluid of which 43 % was oil; % emulsion; 57 % water; and % sediment. Gravity, °Bé. 41

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	10	10	KB - GL
10	1045	1035	Undifferentiated Sd & Sh
1045	1360	315	Anhydrite
1360	4630	3270	Salt w/Anhydrite Stringers
4630	4868	238	Anhydrite
4868	4894	26	Lime & Shale
4894	4995	101	Sd & Shale

T/Rustler Anhydrite 1140
T/Salt 1360
B/Salt 4630
T/Lamar 4868
T/Delaware Sd Mkr 4894

[OVER]

16—43094-5

FOLD | MARK

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. Drld 12¼" hole w/rotary tools to 352'. Ran 8 5/8" OD, 32# csg and set @ 346' w/225 sx. Circulated cmt to surface. WOC 18 hrs. Pressure tested csg to 600 psi for 30 mins. Held OK.
2. Drld 7 7/8" hole from 352' to 4908'.
3. Cored 4908' to 4995'.
4. Ran GR Acoustilog and Focused Logs.
5. Ran 5½" OD, 14# & 15.5# csg and set @ 4994' w/200 sx cmt.
6. Top of cmt @ 4100' (temp survey). WOC 88 hrs. Pressure tested csg to 1500 psi for 30 mins. Held OK.
7. Perforated csg @ 4913' by sandrill tool.
8. Acidized perfs w/250 gals mud acid.
9. Sand oil fraced w/500 gals oil and 500# 16-20 mesh sd.
10. Ran tbg to 4896' and installed pumping equipment.
11. Recovered load oil and refraced w/1000 gals oil and 1500# 16-20 radioactive sd.
12. Potential test. P/15 BO and 20 BW in 24 hrs.