Form 9-330

Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 068264
LEASE OR PERMIT TO PROSPECT

LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company T. F. Hodge Address 1113 Continental Bank Bldg., Fort Worth 2, Texas
Lessor or Tract Malco-Federal Field Caprock Queens State New Mexico
Well No. 4 Sec. 17 T. 14S R. 31E Meridian NMPM County Chaves
Location 1650 ft. {N./S.} of N Line and 990 ft. {E./W.} of E Line of Sec. 17 Elevation 4,073 (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 [illegible]

Date June 10, 1957 Title Production Superintendent

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

Commenced drilling May 3, 19 57 Finished drilling May 13, 19 57

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 2,669 to 2,676 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	4		178	Guide				Surface
4 1/2	9 1/2	8	Repub.	2705	Float Guide		2669	2676	Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	178	150	Pump		
4 1/2	2705	100 sacks			
		600 gallons cealment	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
Well was washed with 250 gallons mud acid, frac with 10,000 gallons frac oil and 10,000# sand.						

TOOLS USED

Rotary tools were used from 0 feet to 2705 feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

, 19 Put to producing May 27, 19 57

The production for the first 24 hours was 88 barrels of fluid of which 100% was oil; %
emulsion; % water; and % sediment. Gravity, °Bé. 35°

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	195	195	Surface sand, caliche, red bed
195	1000	805	Red bed, shale
1000	1890	890	Shale, anhydrite and salt
1890	2020	130	Anhydrite, shale and sand
2020	2670	650	Hard lime, shale and some salt
2670	2705	33	Sand and dolomite
	T.D.		
			Top Yates - 1,890
			Top Queens - 2,670

FOLD | MARK

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.

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