N. M. O. C. C.

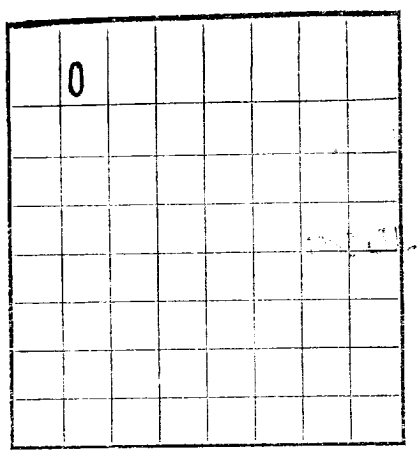
Budget Bureau No. 42-R355.4.
Approval expires 12-31-60.

Form 9-330

U. S. LAND OFFICE New Mexico

SERIAL NUMBER 073240

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

RECEIVED JUL 24 1962 O. C. C. ARTESIA, OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED JUL 23 1962 U. S. GEOLOGICAL SURVEY ARTESIA, NEW MEXICO

LOG OF OIL OR GAS WELL

Company William A. & Edward R. Hudson Address 302 Carper Bldg., Artesia, New Mexico

Lessor or Tract Signal Ross Field South Tonto-Yates State New Mexico

Well No. 4 Sec. 30 T. 19S R. 33E Meridian NMPM County Lea

Location 330 ft. {N. / S.} of N Line and 990 ft. {E. / W.} of W Line of sec. 30 Elevation 3598 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 Ralph L. Gray

Date July 23, 1962 Title Consulting Engineer.

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

Commenced drilling June 13, 19__ Finished drilling July 16, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2972 to 82 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 525 to 555 No. 3, from to

No. 2, from 720 to 820 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
13-3/8				80					Surface
10-3/4				591		591			Cave
8-5/8				963		963			Cave
5-1/2	15.5#	J-55		3133			2972 -	82	Oil

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13-3/8	80	100			
5-1/2	3133	550 sx. 8% gel Incor + 100 sx. Neat Incor.			

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
	Fraced 2972-82 w/500 gals. acid + 12,000 gals. oil + 30,000# sand. 20 BPM at 2400 psi.					

TOOLS USED

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

Cable tools were used from Surface feet to 3137 feet, and from feet to feet

DATES

July 21, 19 62 Put to producing , 19

The production for the first 24 hours was 327 barrels of fluid of which 100 % was oil; % emulsion; % water; and % 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
Surface	90		Surface sand and caliche.
90	1160		Red bed and Sand.
1160	1290		Anhydrite.
1290	2515		Salt.
2515	2920		Anhydrite and Sand.
2920	3010		Sand.
3010	3060		Dolomite and Sand.
3060	3137		Sands w/Dolomite stringers.

AT THE END OF COMPLETE DRILLER LOG, AND TOPS, STATE WHETHER

E. L. TOPS

T. Anhy. - 1160
T. Salt - 1290
B. Salt - 2515
T. Yates - 2920

[OVER]

16—43094-4

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.