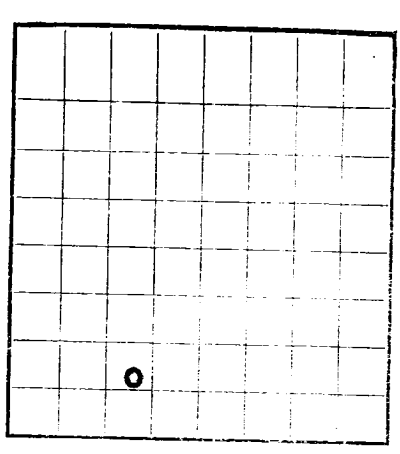
Form 9-330

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

U. S. LAND OFFICE New Mexico
SERIAL NUMBER 03283
LEASE OR PERMIT TO PROSPECT Lillie M. Yates

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Yates Drilling Company Address Carper Bldg., Artesia, N.M.

Lessor or Tract Federal Field Allison State New Mexico

Well No. 1 Sec. 31 T. 8 S. R. 37 E. Meridian N.M.P.M. County Roosevelt

Location 660 ~~ft.~~ (N.) of S Line and ~~ft.~~ (E.) of W Line of Sec. 31 Elevation 4048.9
(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 Joseph D. Yates

Date 11-30-60 Title Secretary

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

Commenced drilling 10-22, 1960 Finished drilling 11-30, 1960

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from 9603' to 9654' 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
10 3/4"	32#	8	Natl.	319'	Guide				surface
7 5/8"	24,26.4#	8	Rep.	4175'	Float				intermediate
4 1/2"	9.5# & 11.6#	8	Cr&I	9687'	Float				oil string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	319'	275	Pump		2% Gel
7 5/8"	4175'	150	"		100 units HYS 400
4 1/2"	9687	400	"		None

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
		SEE HISTORY				

TOOLS USED

Rotary tools were used from 0 feet to 9687 feet, and from ____ feet to ____ feet

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

DATES

11-30, 1960 Put to producing 11-29, 1960

The production for the first 24 hours was 672 barrels of fluid of which 100 % was oil; ____ % emulsion; ____ % water; and ____ % sediment.

Gravity, °Bé. 48°

If gas well, cu. ft. per 24 hours ____ Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

Richard J. Kuse, Driller Bob Barke, Driller

R. D. Cox, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2280	2280	Sand & Red Beds
2280	2875	595	Anhydrite & Salt
2875	4118	1243	Sand & Anhydrite
4118	5532	1414	Dolomite
5532	7725	2193	Sand, dolomite & shale
7725	9068	1343	Shale & Dolomite
9068	9687	619	Shale & Limestone
	9687' *		Total Depth

Log Tops:

Rustler	2280'
Yates	2875'
San Andres	4118'
Glorieta	5532'
Abo	7725'
Hueco	9068'
Penn	9492'
Bough "C"	9607'

FOLD | MARK

[OVER]

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION

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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 reason 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.

4 1/2" casing was perforated from 9610'-14', 9616'-20', 9624'-34' with 4 jet shots per foot. Well treated with 500 gallons mud acid follow with 6000 gallons regular acid. Formation broke at 6000#, treated 6000# to 0# in 4 minutes.