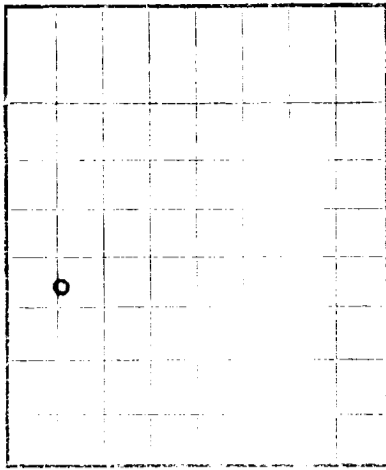


U. S. LAND OFFICE
03283

SERIAL NUMBER

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 **309 Carper Bldg., Artesia, N. M.**
Lessor or Tract **Lillie M. Yates** Field **Allison** State **N. M.**
Well No. **2** Sec. **31** T. **3S** R. **37E** Meridian **NMPM** County **Roosevelt**
Location **1980** ft. **N** of **S** Line and **632.3** ft. **E** of **W** Line of **Sec. 31** Elevation **4056'**
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 _____

Date **January 31, 1961** Title **Secretary**

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

Commenced drilling **December 17**, 19**60** Finished drilling **January 26**, 19**61**.

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **9639'** to **9660'** 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		Purpose
							From	To	
10 3/4"	32.75	8	J&L	316'	Guide				Surface
7 5/8"	26.4	8	J&L	4164'	Float				Intermediate
4 1/2"	11.60	6	J&L	9695'	Float				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used	
10 3/4"	335'	200	Pump		2%	gel
7 5/8"	4175'	150 sx. plus 100 units HYS 400	"		4%	gel
4 1/2"	9705'	400	"		2%	gel

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 **9705** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

January 30, 19**61** Put to producing **January 26**, 19**61**

The production for the first 24 hours was **280** barrels of fluid of which **100** % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. **83**

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	2280	2280	Sand & Red Beds
2280	2868	588	Anhydrite & Salt
2868	4125	1257	Sand & Anhydrite
4125	5535	1410	Dolomite
5535	7745	2210	Sand, Dolomite & Shale
7745	9090	1345	Shale & Dolomite
9090	9705 TD	615	Shale & Limestone
Tops from electric logs			
Rustler		2280	
Yates		2868	
San Andres		4125	
Glorieta		5535	
Abo		7745	
Hueco		9090	
Penn		9514	
Bough "C"		9638	

Measurements from KDB, height 10'

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 balling.

4 1/2" casing was perforated from 9639' to 9641' and from 9646' to 9660' with 4 shots per foot. Perforations were treated with 500 gallons of spearhead acid, followed with 6000 gallons of 15% regular acid. Production first 24 hours was 230 barrels of oil and no water. Choke size 16/64", tubing pressure 520#.