

1961 JUN 6 AM 25
U. S. LAND OFFICE New Mexico

SERIAL NUMBER 03283

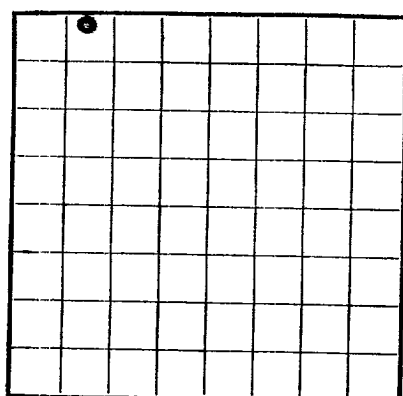
LEASE OR PERMIT TO PROSPECT

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 309 Carper Bldg., Artesia,
Lessor or Tract Lillie M. Yates Field Allison-Penn State New Mexico
Well No. 4 Sec. 31 T. 8S R. 37E Meridian N.M.P.M. County Roosevelt
Location 660. ft. [S.] of N Line and 612.5 [E.] of W Line of Sec. 31 Elevation 4055
(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 May 29, 1961Title Drig. Supt.

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

Commenced drilling 3-31-61, 19____ Finished drilling 5-23-61, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 9638 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—	
<u>13 3/8</u>	<u>420</u>	<u>8</u>	<u>RD</u>	<u>285</u>	<u>9161</u>	<u>RD</u>			
<u>8 5/8</u>	<u>275</u>	<u>8</u>	<u>RD</u>	<u>1150</u>	<u>9161</u>	<u>RD</u>			
<u>4 1/2</u>	<u>9719</u>	<u>8</u>	<u>RD</u>	<u>400</u>	<u>9161</u>	<u>RD</u>			

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>13 3/8</u>	<u>335</u>	<u>28</u> <u>275</u>	<u>B. J.</u>	<u>9.0</u>	
<u>8 5/8</u>	<u>4146</u>	<u>1150</u>	<u>B. J.</u>		
<u>4 1/2</u>	<u>9719</u>	<u>400</u>	<u>B. J.</u>		

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 9720 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

May 29, 1961 Put to producing May 23, 1961

The production for the first 24 hours was 275 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

Ed Sanford, Driller G. J. Williams, Driller
Johnny Heltzel, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>2302</u>	<u>2302</u>	<u>Sand & Red Beds</u>
<u>2302</u>	<u>2873</u>	<u>571</u>	<u>Anhydrite & Salt</u>
<u>2873</u>	<u>4122</u>	<u>1249</u>	<u>Sand & Anhydrite</u>
<u>4122</u>	<u>5544</u>	<u>1422</u>	<u>Dolomite</u>
<u>5544</u>	<u>7745</u>	<u>2201</u>	<u>Sand, Dolomite & Shale</u>
<u>7745</u>	<u>9089</u>	<u>1344</u>	<u>Shale & Dolomite</u>
<u>9089</u>	<u>9716</u>	<u>627</u>	<u>Shale & Limestone</u>
Log Tops:			
<u>Rustler</u>	<u>2302</u>		
<u>Yates</u>	<u>2873</u>		
<u>Sand Andres</u>	<u>4122</u>		
<u>Glorieta</u>	<u>5544</u>		
<u>Alco</u>	<u>7745</u>		
<u>Huaco</u>	<u>9089</u>		
<u>Penn</u>	<u>9510</u>		
<u>Bough "C"</u>	<u>9632</u>		

(OVER)