

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 049947-A

LEASE OR PERMIT TO PROSPECT

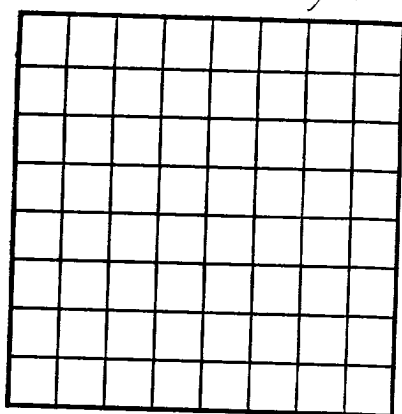
Martin Yates, III

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

30-015-04474



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Yates et al. Address Box 397, Artesia, New Mexico
Lessor or Tract Martin Yates, III Field Loco Hills State New Mexico
Well No. 5-A Sec. 6 T. 18 R. 30 Meridian N.M.P.M. County Eddy
Location 2310 ft. (N.) of S Line and 330 ft. (E.) of W Line of Sec. 6 Elevation _____
(Denote 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 February 24, 1947Title Trustee

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

Commenced drilling October 24, 1946 Finished drilling December 21, 1946

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2806 to 2838 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—	
8 1/2"				431'					Salt String
7"OD				2697'					Production string

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 1/2"	431'	50	Halliburton		
7"OD	2697'	40	"		

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
		Solidified	120 qts	12-7-46	2806-2838	2838

TOOLS USED

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

Cable tools were used from 0 feet to 2848 feet, and from _____ feet to _____ feet

DATES

Put to producing December 19th, 1946

The production for the first 24 hours was 33 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

G. W. Beadle, Driller Earl Howell, DrillerR. A. Reneau, Driller Louis Haddox, Driller

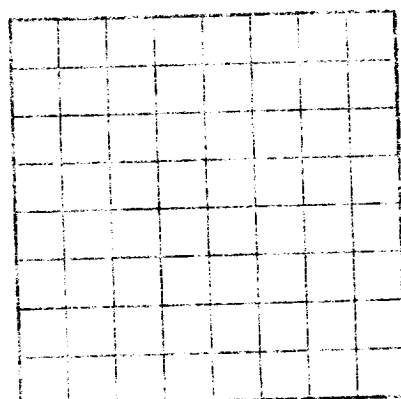
FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	61		Red beds
61	95		Red rock
95	245		Anhyd.
245	320		Anhyd and red beds
320	326		Gyp and water
326	431		Anhyd. and red beds
431	1105		Salt
1105	1300		Anhyd.
1300	1375		Anhyd. and red shale
1375	1592		Anhyd, white
1592	1665		White and brown anhyd.
1665	1980		White anhyd.
1980	2087		Brown Anhyd.
2087	2200		Sand and anhyd.
220	2300		Anhyd. and red shale
2300	2335		red sand
2335	2577		Anhyd.
2577	2577 2595		sand
2595	2624		Anhyd.
2624	2640		lime
2640	2660		Andy lime
2660	2780		Lime
2780	2787		sand
2787	2790		Lime
2790	2806		Sandy lime
2806	2838		Brown sand
2838	2848		White lime - TOTAL DEPTH

PLEASE OR BEHOLD TO PROTECT
SERIAL NUMBER
U.S. LAND OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL



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.

Location Latitude { N. } of Line and South { E. } of { W. } of
Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____
Person or Trust _____ Field _____ State _____
Company _____ Address _____

_____ Date _____
_____ Title _____
The summary on this page is for the condition of the well at above date.
_____ finished drilling _____

NO GAS SANDS OR ZONES

$$S_i = \sin(\theta_i)$$

No. 1 from _____	to _____
No. 2 from _____	to _____
No. 3 from _____	to _____
No. 4 from _____	to _____
No. 5 from _____	to _____
No. 6 from _____	to _____
No. 7 from _____	to _____
No. 8 from _____	to _____
No. 9 from _____	to _____
No. 10 from _____	to _____

IMPORTANT WATER SAVING

..... ± 1	$\text{mod } 8 \in \mathbb{Z}$	 0	$\text{mod } 1 \in \mathbb{Z}$
..... ± 1	$\text{mod } 4 \in \mathbb{Z}$	 0	$\text{mod } 2 \in \mathbb{Z}$

GROUP ONE

[illegible]

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.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-43041-1

FORMATION RECORD			
FORMATION	TOTAL FEET	TO	FROM
Driller Driller	Driller Driller	Driller Driller	Driller Driller
EMPLOYEES			
It was well on 11 per 24 hours 25 sediment The production for the last 24 hours was panels of fluid of which 1 was oil Pure producing			
DATES			
Tools used			
SHOOTING RECORD			
SLUGS AND ADJUSTERS			
MEASURING AND CALCULATING RECORD			