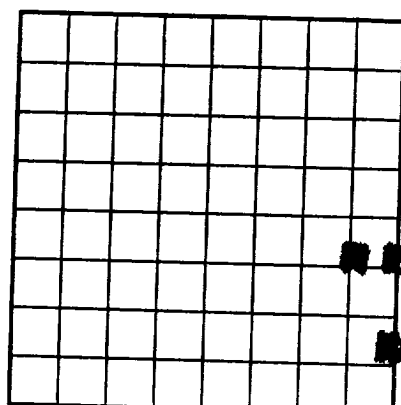


U. S. LAND OFFICE Las CrucesSERIAL NUMBER 049947-ALEASE OR PERMIT TO PROSPECT
Martin Yates, III

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

RECEIVED

MAR 1 1940

O.C.C.

LOG OF OIL OR GAS WELL

Company YATES ET ALAddress Artesia, New Mexico

Lessor or Tract

Field Loco Hills State New MexicoWell No. 4-A Sec. 6 T. 18 R. 30 Meridian 10PMCounty EddyLocation 2310 ft. of S Line and 1650 ft. of W Line of Sec. 6 Elevation

(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

Title SecretaryDate February 21st, 1940

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

Commenced drilling January 7th, 1940 Finished drilling February 13th, 1940

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2822 to 2840

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" Casing				455 ft.		50 Sacks Cement			
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
		Same as Casing Record.			

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
Shot well from 2822 to 2840 feet with 70 Quarts of Nitro-Glycerin on February 12, 1940. Work done by the New Mexico Glycerin Company.						

TOOLS USED

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

Cable tools were used from 0 feet to 2840 feet, and from feet to feet

DATES

Put to producing February 15th, 1940The production for the first 24 hours was 140 barrels of fluid of which 100 % was oil; % emulsion; % water; and % sediment. Gravity, °Bé. 38°

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

Rock pressure, lbs. per sq. in.

EMPLOYEES

W. M. Gray, Driller O. C. Bean, DrillerAlfred Cooley, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	50		Red Sand
50	65		Sandy Red Rock
65	170		Red Sand
170	270		Sand and Red Beds
270	320		Gyp
320	370		Red Sand
370	420		Red Beds
420	475		Red Rock
475	525		Gyp
525	600		Red Rock
600	630		Red Beds
630	666		Salt
666	680		Salt
680	690		Salt and Potash
690	695		Potash and Gyp
695	697		Salt and Potash
697	697		Salt, Potash and Anhydrite
697	1115		Salt and Potash
1115	1166		Anhydrite
1166	1180		Anhydrite and Red Rock broken
1180	1270		Anhydrite
1270	1480		Anhydrite and Red Rock
1480	1585		Anhydrite
1585	1625		Anhydrite and Red Rock
1625	2318		Anhydrite

FORMATION RECORD—Continued

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 of _____ of _____ line and _____ of _____ line of _____ Sec. _____ T. _____ R. _____ S. _____ Meridian _____ County _____ State _____

Well No. _____

Owner or Tract _____

Company _____

Address _____

Elevation _____

Date _____ 1940
 Title _____
 The summary on this page is for the condition of the well at above date.
 (Commenced drilling _____ 1940
 Finished drilling _____ 1940

OIL OR GAS SANDS OR ZONES

(7) φ ist ein $\mathbb{Q}$ -Automorphismus

No. 1, from	to	0.25	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. 2, from to
 No. 3, from to
 No. 4, from to

CASING RECORD

[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 "bridged" well, give its size and location. If the well has been drilled, sized, packed, and cased, and number of shots. If plans 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

NUDDING AND CEMENTING RECORD

[illegible]

PLUGS AND ADAPTERS

Adapters - Material	Size	Length	Depth set
Heaving plug - Material			

SHOOTING RECORD

Size	Shoe used	Explosive used	Quantity	Date	Depth spot	Depth cleaned out
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Shed well from 2240 to 2245 with 70 pounds of Nitro-glycerin on February 12, 1943. Work done by the New Mexico Division of Forestry.

TOOLS USED

feet	feet to	feet and from	feet to	feet and from	feet to	feet and from
feet	feet to	feet and from	feet to	feet and from	feet to	feet and from

237AC

Gallons gasoline per 1,000 cu. ft. of gas Gravity, °Bé. 30.5 The production for the first 24 hours was 140 barrels of fluid of which 100% was oil.	Put to producing 20 May 1951, 10 A.M.
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EMPLOYEES

Driller _____
Driller _____

FORMATION RECORD

FORMATION	TOTAL FEET	TO-	FROM-
Amphidite and Red Gneiss	2330	2330	2338
Amphidite and Red Gneiss	2330	2330	2330
Amphidite and Red Gneiss	2330	2330	2340
Amphidite and Red Gneiss	2330	2330	2380
Amphidite and Red Gneiss	2330	2330	2443
Amphidite and Red Gneiss	2330	2330	2490
Amphidite and Red Gneiss	2330	2330	2550
Amphidite and Red Gneiss	2330	2330	2590
Amphidite and Red Gneiss	2330	2330	2610
Amphidite and Red Gneiss	2330	2330	2673
Amphidite and Red Gneiss	2330	2330	2680
Amphidite and Red Gneiss	2330	2330	2690
Amphidite and Red Gneiss	2330	2330	2713
Amphidite and Red Gneiss	2330	2330	2717
Amphidite and Red Gneiss	2330	2330	2737
Amphidite and Red Gneiss	2330	2330	2755
Amphidite and Red Gneiss	2330	2330	2800
Amphidite and Red Gneiss	2330	2330	2812
Amphidite and Red Gneiss	2330	2330	2816
Amphidite and Red Gneiss	2330	2330	2831
Amphidite and Red Gneiss	2330	2330	2837
Amphidite and Red Gneiss	2330	2330	2840