

COPY

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 049947

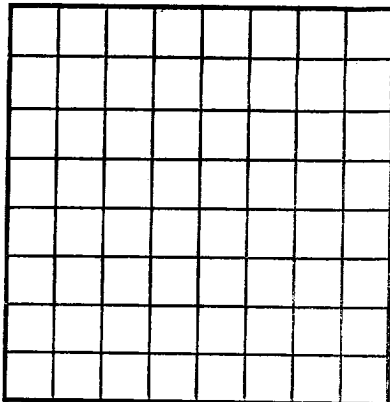
LEASE OR PERMIT TO PROSPECT

Martin Yates, III

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company Yates et al Address Artesia, New MexicoLessor or Tract _____ Field Loco Hills State New MexicoWell No. 2-A Sec. 6 T. 18 R. 30 Meridian N.M.P.M. County EddyLocation 1650 ft. S. of N. Line and 390 ft. E. 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 _____

Date October 10, 1939 Title Agent

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

Commenced drilling August 24th, 1939 Finished drilling October 2nd, 1939

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2778 to 2808 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 325 to 338 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"	28 1/2	10	Sec. Rd.	458'					Salt string
7" OD	20 1/2	8	Spang	2672'					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"	458'	50 sacks	Halliburton		
7" OD	2672'	100 sacks	"		5 tons

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
hot well from 2778 to 2808 with 100 quarts of nitro-glycerin on September 6, 1939. Work done by the New Mexico Glycerin Company, Artesia, New Mexico						

TOOLS USED

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

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

DATES

Put to producing October 2nd, 1939The production for the first 24 hours was 250 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

L. C. Newton _____, Driller E. L. Atwood _____, Driller

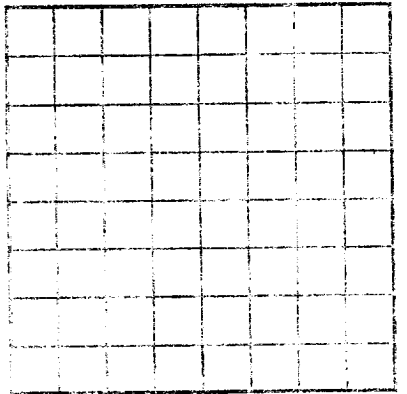
Alfred Cooley _____, Driller H. M. Callager _____, Driller

W. R. Stephens _____

FORMATION RECORD Cliff Grantham

FROM—	TO—	TOTAL FEET	FORMATION
0	45		Sand
45	65		Sand bed
65	102		Red mud
102	115		Red sand
115	150		Red sandy shale
150	175		Sand -- Red
175	185		Gravel
185	225		Sandy Red rock
225	255		Sandy
255	338		Gyp
338	342		Red shale
342	350		Gyp
350	370		Red shale
370	405		Red shale
405	445		Anhyd. and shale
445	458		Salt (. Top salt 445')
458	1090		Salt (Base of salt 1090')
1090	1105		Anhyd.
1105	1145		Anhyd.
1145	1147		Shale
1147	1160		Lime and Anhyd.
1160	1285		Anhyd.
1285	1310		Broken Anhyd.
1310	1350		Anhyd. and shale
1350	1385		Anhyd.

FORMATION RECORD—Continued



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

Company
Lessor or Trust
Well No.
Location
Section
Township
Range
County
State
Address
Elevation
The information given herewith is a complete and correct record of the well and all work done thereon as far as can be determined from all available records.

Completed drilling
The summary on this page is for the location of the well at above date.

OIL OR GAS SANDS OR ZONES

No. 1 from
No. 2 from
No. 3 from

IMPORTANT WATER SANDS

No. 4 from
No. 5 from

CASING RECORD

Depth
Diameter
Material
Amount
Kind of pipe
Casing and Borehole

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of drilling, 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 "backed" 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 0-6745

GRAM 1000

MUDDING AND CEMENTING RECORD		PLUGS AND ADAPTERS		SHOOTING RECORD		FORMATION RECORD	
Depth	Material	Depth	Material	Depth	Material	Depth	Material
2805	2805	2805	2805	2805	2805	2805	2805
2778	2778	2778	2778	2778	2778	2778	2778
2765	2765	2765	2765	2765	2765	2765	2765
2685	2685	2685	2685	2685	2685	2685	2685
2672	2672	2672	2672	2672	2672	2672	2672
2670	2670	2670	2670	2670	2670	2670	2670
2630	2630	2630	2630	2630	2630	2630	2630
2615	2615	2615	2615	2615	2615	2615	2615
2608	2608	2608	2608	2608	2608	2608	2608
2595	2595	2595	2595	2595	2595	2595	2595
2575	2575	2575	2575	2575	2575	2575	2575
2550	2550	2550	2550	2550	2550	2550	2550
2530	2530	2530	2530	2530	2530	2530	2530
2520	2520	2520	2520	2520	2520	2520	2520
2505	2505	2505	2505	2505	2505	2505	2505
2465	2465	2465	2465	2465	2465	2465	2465
2460	2460	2460	2460	2460	2460	2460	2460
2405	2405	2405	2405	2405	2405	2405	2405
2380	2380	2380	2380	2380	2380	2380	2380
2355	2355	2355	2355	2355	2355	2355	2355
2320	2320	2320	2320	2320	2320	2320	2320
2300	2300	2300	2300	2300	2300	2300	2300
2285	2285	2285	2285	2285	2285	2285	2285
2270	2270	2270	2270	2270	2270	2270	2270
2085	2085	2085	2085	2085	2085	2085	2085
2070	2070	2070	2070	2070	2070	2070	2070
2030	2030	2030	2030	2030	2030	2030	2030
2005	2005	2005	2005	2005	2005	2005	2005
1995	1995	1995	1995	1995	1995	1995	1995
1927	1927	1927	1927	1927	1927	1927	1927
1905	1905	1905	1905	1905	1905	1905	1905
1897	1897	1897	1897	1897	1897	1897	1897
1885	1885	1885	1885	1885	1885	1885	1885
1845	1845	1845	1845	1845	1845	1845	1845
1815	1815	1815	1815	1815	1815	1815	1815
1806	1806	1806	1806	1806	1806	1806	1806
1777	1777	1777	1777	1777	1777	1777	1777
1750	1750	1750	1750	1750	1750	1750	1750
1695	1695	1695	1695	1695	1695	1695	1695
1605	1605	1605	1605	1605	1605	1605	1605
1565	1565	1565	1565	1565	1565	1565	1565
1525	1525	1525	1525	1525	1525	1525	1525
1495	1495	1495	1495	1495	1495	1495	1495
1450	1450	1450	1450	1450	1450	1450	1450
1408	1408	1408	1408	1408	1408	1408	1408
1385	1385	1385	1385	1385	1385	1385	1385