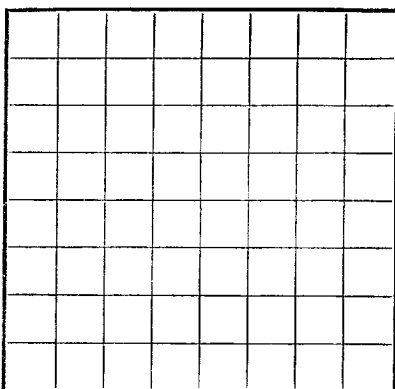


RECEIVED

Approved by
Budget Bureau No. 42-R355.4.

LOCATE WELL CORRECTLY

JUN 15 1964

U. S. LAND OFFICE Roswell, New Mex.

C. C. SERIAL NUMBER NM 025819

LEASE OR PERMIT TO PROSPECT

O. C. W. P. '64
ARTESIA, OFFICE

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company I. W. Lovelady Address Box 953, Midland, Texas
Lessor or Tract Signal-Federal Field Wildcat State New Mexico
Well No. 1 Sec. 21 T. 9S R. 31E Meridian 114PM County Chaves
Location 660 ft. [X] of N. Line and 660 ft. [X] of E. Line of Sec. 21 Elevation 4276
(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 June 11, 1964Title Agent

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

Commenced drilling April 9, 1964 Finished drilling May 2, 1964

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from None to 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 None 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 48#</u>	<u>8 Rd</u>	<u>J-55</u>	<u>263</u>	<u>4086</u>	<u>Howo</u>	<u>1493</u>	<u>3884</u>	<u>3892</u>	<u>Surface</u>
<u>4 1/2 9.5#</u>	<u>8 Rd</u>	<u>J-55</u>	<u>4086</u>	<u>4086</u>	<u>Howo</u>	<u>1493</u>	<u>3884</u>	<u>3892</u>	<u>Oil String</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>263</u>	<u>250</u>	<u>pump & plug</u>	<u>34</u>	<u>33 barrels</u>
<u>4 1/2</u>	<u>4086</u>	<u>125</u>	<u>"</u>	<u>38</u>	<u>68 barrels</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 60 feet to 4124 feet, and from feet to feet
Cable tools were used from 0 feet to 60 feet, and from feet to feet

DATES

 , 19 Put to producing , 19

The production for the first 24 hours was barrels of fluid of which % 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

I. B. Boze, Driller A. G. Helstrom, Driller
R. D. Greene, Driller , Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	204	204	Rock & Sand
204	800	596	Red Bed
800	1343	543	Red Bed & Anhy
1343	1510	167	Anhydrite
1510	1625	115	Anhydrite & Salt
1625	2228	603	Anhydrite & Sand (Yates)
2228	2720	492	Anhydrite & Salt
2720	2790	70	Anhydrite
2790	2992	202	Anhydrite & Sand
2992	3153	166	Anhydrite
3153	3201	43	Lime
3201	3306	105	Anhy & Lime
3306	3888	582	Lime
3888	3892	4	Lime & Dolomite
3892	4124	232	Lime
			TOPS:
			Red Bed 330
			Rustler Anhy 1315
			Salt-Top 1375
			Salt-Base 1920
			Yates 1930
			Queen 2720
			San Andres 3151
			San Andres- Porosity 3884

FORMATION RECORD—Continued

FROM-	TO-	TOTAL FEET	FORMATION
			1.0. 100.00 2.0. 100.00 3.0. 100.00 4.0. 100.00 5.0. 100.00 6.0. 100.00 7.0. 100.00 8.0. 100.00 9.0. 100.00 10.0. 100.00 11.0. 100.00 12.0. 100.00 13.0. 100.00 14.0. 100.00 15.0. 100.00 16.0. 100.00 17.0. 100.00 18.0. 100.00 19.0. 100.00 20.0. 100.00 21.0. 100.00 22.0. 100.00 23.0. 100.00 24.0. 100.00 25.0. 100.00 26.0. 100.00 27.0. 100.00 28.0. 100.00 29.0. 100.00 30.0. 100.00 31.0. 100.00 32.0. 100.00 33.0. 100.00 34.0. 100.00 35.0. 100.00 36.0. 100.00 37.0. 100.00 38.0. 100.00 39.0. 100.00 40.0. 100.00 41.0. 100.00 42.0. 100.00 43.0. 100.00 44.0. 100.00 45.0. 100.00 46.0. 100.00 47.0. 100.00 48.0. 100.00 49.0. 100.00 50.0. 100.00 51.0. 100.00 52.0. 100.00 53.0. 100.00 54.0. 100.00 55.0. 100.00 56.0. 100.00 57.0. 100.00 58.0. 100.00 59.0. 100.00 60.0. 100.00 61.0. 100.00 62.0. 100.00 63.0. 100.00 64.0. 100.00 65.0. 100.00 66.0. 100.00 67.0. 100.00 68.0. 100.00 69.0. 100.00 70.0. 100.00 71.0. 100.00 72.0. 100.00 73.0. 100.00 74.0. 100.00 75.0. 100.00 76.0. 100.00 77.0. 100.00 78.0. 100.00 79.0. 100.00 80.0. 100.00 81.0. 100.00 82.0. 100.00 83.0. 100.00 84.0. 100.00 85.0. 100.00 86.0. 100.00 87.0. 100.00 88.0. 100.00 89.0. 100.00 90.0. 100.00 91.0. 100.00 92.0. 100.00 93.0. 100.00 94.0. 100.00 95.0. 100.00 96.0. 100.00 97.0. 100.00 98.0. 100.00 99.0. 100.00 100.0. 100.00

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 dewatered, 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

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