

U. S. LAND OFFICE Las CrucesSERIAL NUMBER 049947

LEASE OR PERMIT TO PROSPECT

Martin Yates III

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

RECEIVED

CCT 21 1939

Loswell New Mexico

## LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company YATES ET AL O. C. C. Address Artesia, New Mexico  
Lessor or Tract \_\_\_\_\_ Field Lece Hills State New Mexico  
Well No. 2-A Sec. 6 T. 18 R. 30 Meridian NMPM County Sady  
Location 1050 ft. of \_\_\_\_\_ Line and 330 ft. of \_\_\_\_\_ Line of Sec. 6 Elevation 3536 ft.  
(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.

Date October 10th, 1939Signed Beth King 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 315 to 328 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>8 1/2"</u> | <u>24</u>       | <u>10</u>        | <u>Sec. H4</u> | <u>458 ft.</u>  |              |                     |            |     | <u>Salt string.</u>      |
| <u>7" OD</u>  | <u>20</u>       | <u>10</u>        | <u>Sec. H4</u> | <u>2672 ft.</u> |              |                     |            |     | <u>Production string</u> |

## MUDDING AND CEMENTING RECORD

| Size casing   | Where set       | Number sacks of cement | Method used        | Mud gravity | Amount of mud used |
|---------------|-----------------|------------------------|--------------------|-------------|--------------------|
| <u>8 1/2"</u> | <u>458 ft.</u>  | <u>50 sacks</u>        | <u>Halliburton</u> |             |                    |
| <u>7" OD</u>  | <u>2672 ft.</u> | <u>100 sacks</u>       | <u>"</u>           |             | <u>5 tons.</u>     |

## PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

## SHOOTING RECORD

Shot well from 2778 feet to 2808 feet with 2100 quarts of Nitro-Glycerin on September 26, 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 0 feet to 2808 feet and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES \_\_\_\_\_  
Put to producing October 2nd, 1939  
The production for the first 24 hours was 250 barrels of fluid of which 100 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and \_\_\_\_\_ % sediment.  
If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
Rock pressure, lbs. per sq. in. \_\_\_\_\_ Gravity, °Bé. 38

## EMPLOYEES

C. Newton \_\_\_\_\_, Driller  
Alfred Cooley \_\_\_\_\_, Driller  
W. C. Stephens \_\_\_\_\_, Driller

## FORMATION RECORD

| FEET        | FORMATION   |
|-------------|-------------|
| <u>2808</u> | <u>Sand</u> |
| <u>2800</u> | <u>Sand</u> |
| <u>2792</u> | <u>Sand</u> |
| <u>2784</u> | <u>Sand</u> |
| <u>2776</u> | <u>Sand</u> |
| <u>2768</u> | <u>Sand</u> |
| <u>2760</u> | <u>Sand</u> |
| <u>2752</u> | <u>Sand</u> |
| <u>2744</u> | <u>Sand</u> |
| <u>2736</u> | <u>Sand</u> |
| <u>2728</u> | <u>Sand</u> |
| <u>2720</u> | <u>Sand</u> |
| <u>2712</u> | <u>Sand</u> |
| <u>2704</u> | <u>Sand</u> |
| <u>2696</u> | <u>Sand</u> |
| <u>2688</u> | <u>Sand</u> |
| <u>2680</u> | <u>Sand</u> |
| <u>2672</u> | <u>Sand</u> |
| <u>2664</u> | <u>Sand</u> |
| <u>2656</u> | <u>Sand</u> |
| <u>2648</u> | <u>Sand</u> |
| <u>2640</u> | <u>Sand</u> |
| <u>2632</u> | <u>Sand</u> |
| <u>2624</u> | <u>Sand</u> |
| <u>2616</u> | <u>Sand</u> |
| <u>2608</u> | <u>Sand</u> |
| <u>2600</u> | <u>Sand</u> |
| <u>2592</u> | <u>Sand</u> |
| <u>2584</u> | <u>Sand</u> |
| <u>2576</u> | <u>Sand</u> |
| <u>2568</u> | <u>Sand</u> |
| <u>2560</u> | <u>Sand</u> |
| <u>2552</u> | <u>Sand</u> |
| <u>2544</u> | <u>Sand</u> |
| <u>2536</u> | <u>Sand</u> |
| <u>2528</u> | <u>Sand</u> |
| <u>2520</u> | <u>Sand</u> |
| <u>2512</u> | <u>Sand</u> |
| <u>2504</u> | <u>Sand</u> |
| <u>2496</u> | <u>Sand</u> |
| <u>2488</u> | <u>Sand</u> |
| <u>2480</u> | <u>Sand</u> |
| <u>2472</u> | <u>Sand</u> |
| <u>2464</u> | <u>Sand</u> |
| <u>2456</u> | <u>Sand</u> |
| <u>2448</u> | <u>Sand</u> |
| <u>2440</u> | <u>Sand</u> |
| <u>2432</u> | <u>Sand</u> |
| <u>2424</u> | <u>Sand</u> |
| <u>2416</u> | <u>Sand</u> |
| <u>2408</u> | <u>Sand</u> |
| <u>2400</u> | <u>Sand</u> |
| <u>2392</u> | <u>Sand</u> |
| <u>2384</u> | <u>Sand</u> |
| <u>2376</u> | <u>Sand</u> |
| <u>2368</u> | <u>Sand</u> |
| <u>2360</u> | <u>Sand</u> |
| <u>2352</u> | <u>Sand</u> |
| <u>2344</u> | <u>Sand</u> |
| <u>2336</u> | <u>Sand</u> |
| <u>2328</u> | <u>Sand</u> |
| <u>2320</u> | <u>Sand</u> |
| <u>2312</u> | <u>Sand</u> |
| <u>2304</u> | <u>Sand</u> |
| <u>2296</u> | <u>Sand</u> |
| <u>2288</u> | <u>Sand</u> |
| <u>2280</u> | <u>Sand</u> |
| <u>2272</u> | <u>Sand</u> |
| <u>2264</u> | <u>Sand</u> |
| <u>2256</u> | <u>Sand</u> |
| <u>2248</u> | <u>Sand</u> |
| <u>2240</u> | <u>Sand</u> |
| <u>2232</u> | <u>Sand</u> |
| <u>2224</u> | <u>Sand</u> |
| <u>2216</u> | <u>Sand</u> |
| <u>2208</u> | <u>Sand</u> |
| <u>2200</u> | <u>Sand</u> |
| <u>2192</u> | <u>Sand</u> |
| <u>2184</u> | <u>Sand</u> |
| <u>2176</u> | <u>Sand</u> |
| <u>2168</u> | <u>Sand</u> |
| <u>2160</u> | <u>Sand</u> |
| <u>2152</u> | <u>Sand</u> |
| <u>2144</u> | <u>Sand</u> |
| <u>2136</u> | <u>Sand</u> |
| <u>2128</u> | <u>Sand</u> |
| <u>2120</u> | <u>Sand</u> |
| <u>2112</u> | <u>Sand</u> |
| <u>2104</u> | <u>Sand</u> |
| <u>2096</u> | <u>Sand</u> |
| <u>2088</u> | <u>Sand</u> |
| <u>2080</u> | <u>Sand</u> |
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| <u>2064</u> | <u>Sand</u> |
| <u>2056</u> | <u>Sand</u> |
| <u>2048</u> | <u>Sand</u> |
| <u>2040</u> | <u>Sand</u> |
| <u>2032</u> | <u>Sand</u> |
| <u>2024</u> | <u>Sand</u> |
| <u>2016</u> | <u>Sand</u> |
| <u>2008</u> | <u>Sand</u> |
| <u>2000</u> | <u>Sand</u> |
| <u>1992</u> | <u>Sand</u> |
| <u>1984</u> | <u>Sand</u> |
| <u>1976</u> | <u>Sand</u> |
| <u>1968</u> | <u>Sand</u> |
| <u>1960</u> | <u>Sand</u> |
| <u>1952</u> | <u>Sand</u> |
| <u>1944</u> | <u>Sand</u> |
| <u>1936</u> | <u>Sand</u> |
| <u>1928</u> | <u>Sand</u> |
| <u>1920</u> | <u>Sand</u> |
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| <u>1096</u> | <u>Sand</u> |
| <u>1088</u> | <u>Sand</u> |
| <u>1080</u> | <u>Sand</u> |
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| <u>1064</u> | <u>Sand</u> |
| <u>1056</u> | <u>Sand</u> |
| <u>1048</u> | <u>Sand</u> |
| <u>1040</u> | <u>Sand</u> |
| <u>1032</u> | <u>Sand</u> |
| <u>1024</u> | <u>Sand</u> |
| <u>1016</u> | <u>Sand</u> |
| <u>1008</u> | <u>Sand</u> |
| <u>1000</u> | <u>Sand</u> |
| <u>992</u>  | <u>Sand</u> |
| <u>984</u>  | <u>Sand</u> |
| <u>976</u>  | <u>Sand</u> |
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| <u>912</u>  | <u>Sand</u> |
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| <u>864</u>  | <u>Sand</u> |
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| <u>840</u>  | <u>Sand</u> |
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| <u>392</u>  | <u>Sand</u> |
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| <u>328</u>  | <u>Sand</u> |
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| <u>264</u>  | <u>Sand</u> |
| <u>256</u>  | <u>Sand</u> |
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| <u>232</u>  | <u>Sand</u> |
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| <u>216</u>  | <u>Sand</u> |
| <u>208</u>  | <u>Sand</u> |
| <u>200</u>  | <u>Sand</u> |
| <u>192</u>  | <u>Sand</u> |
| <u>184</u>  | <u>Sand</u> |
| <u>176</u>  | <u>Sand</u> |
| <u>168</u>  | <u>Sand</u> |
| <u>160</u>  | <u>Sand</u> |
| <u>152</u>  | <u>Sand</u> |
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| <u>120</u>  | <u>Sand</u> |
| <u>112</u>  | <u>Sand</u> |
| <u>104</u>  | <u>Sand</u> |
| <u>96</u>   | <u>Sand</u> |
| <u>88</u>   | <u>Sand</u> |
| <u>80</u>   | <u>Sand</u> |
| <u>72</u>   | <u>Sand</u> |
| <u>64</u>   | <u>Sand</u> |
| <u>56</u>   | <u>Sand</u> |
| <u>48</u>   | <u>Sand</u> |
| <u>40</u>   | <u>Sand</u> |
| <u>32</u>   | <u>Sand</u> |
| <u>24</u>   | <u>Sand</u> |
| <u>16</u>   | <u>Sand</u> |
| <u>8</u>    | <u>Sand</u> |

FROM

20

LOGS REEL

(OVER)

FORMATION

6-6745

FORMATION RECORD—Continued

