

UNION NATIONAL BANK BLDG, WICHITA, KANSAS.

Location. NEc SE SE

Sec. 19 T. 22 R. 3W

## Casing Record.

10" 1633 Farm. Anna Martens. No. 1  
 20" 8" 2265 Company, Lloyd-Frost-Study & Curry.  
 15" 233'3 65/8" Contr. Forst Drilling Co.  
 12" 299 53/16 Comm. 8-8-32 Comp. 10-16-32

County. Harvey



Total Depth. 3308 Shot Quarts Between.  
 Correspondence Regarding This Well Should Be Referred To.

Figures Indicate Bottom of Formations.

Date Issued. 11-12-32

Elevation. 1442

Initial Production.

841 B in 24 hrs pinched in.

| Formation    | Depth | Formation       | Depth | Formation           | Depth. |
|--------------|-------|-----------------|-------|---------------------|--------|
| mud wter 30' | 30    | shale           | 1252  | red rock            | 2285   |
| sand         | 105   | broken lime     | 1275  | sand                | 2290   |
| clay         | 120   | slate           | 1285  | sand and shale      | 2330   |
| Quick sand   | 165   | lime            | 1293  | HFV 2330            |        |
| slate        | 175   | slate           | 1310  | sand and shale      | 2365   |
| quick sand   | 230   | shale           | 1345  | lime                | 2372   |
| shale        | 335   | red rock        | 1350  | slate blue          | 2383   |
| shale blue   | 405   | shale           | 1390  | shale blue          | 2388   |
| slate blue   | 455   | red rock        | 1395  | sdv lime            | 2403   |
| sand         | 460   | lime            | 1410  | slate               | 2412   |
| 1 BW 460     |       | slate           | 1420  | sand                | 2422   |
| lime         | 490   | lime            | 1430  | hole full water     | 2422   |
| shale        | 500   | red rock        | 1435  | sand                | 2435   |
| lime         | 520   | slate           | 1455  | shale               | 2440   |
| slate        | 527   | shale           | 1470  | lime                | 2450   |
| lime         | 550   | red rock        | 1480  | shale blue          | 2452   |
| slate        | 555   | shale           | 1530  | slate blue          | 2455   |
| lime         | 580   | lime            | 1532  | shale               | 2460   |
| shale        | 590   | shale           | 1545  | lime                | 2463   |
| lime         | 595   | lime            | 1559  | slate               | 2466   |
| shale        | 605   | slate           | 1575  | shale grey          | 2483   |
| lime         | 625   | lime            | 1587  | lime                | 2488   |
| shale        | 640   | slate           | 1600  | sand sh oil         | 2490   |
| lime         | 645   | lime            | 1634  | 2 BW 2500           |        |
| slate        | 660   | slate           | 1665  | lime HFV 2635       | 2656   |
| red rock     | 665   | lime            | 1675  | sdv lime            | 2692   |
| slate        | 670   | shale           | 1680  | shale               | 2712   |
| lime         | 690   | red rock        | 1685  | lime                | 2740   |
| shale        | 700   | shale           | 1695  | shale               | 2760   |
| lime         | 705   | lime            | 1700  | lime                | 2765   |
| shale        | 715   | sdv shale       | 1720  | slate & lime shells | 2780   |
| red rock     | 730   | shale           | 1785  | lime                | 2816   |
| slate        | 735   | lime            | 1790  | shale               | 2821   |
| lime         | 863   | shale           | 1800  | lime                | 2830   |
| slate        | 873   | sdv lime        | 1850  | shale               | 2835   |
| red rock     | 880   | 1 BW 1820       |       | sand                | 2855   |
| lime         | 895   | shale           | 1870  | HFV 2845 show oil   | 2845   |
| shale blue   | 915   | lime            | 1874  | sand                | 2871   |
| lime         | 955   | Hole full water | 1874  | lime                | 2884   |
| slate        | 960   | sand            | 1881  | sdv lime            | 2912   |
| lime         | 975   | slate           | 1889  | lime                | 2918   |
| slate        | 980   | shale           | 1911  | slate               | 2925   |
| red rock     | 988   | lime            | 1916  | broken lime         | 2935   |
| lime         | 1000  | slate           | 1921  | shale               | 2947   |
| slate        | 1013  | lime            | 1934  | lime                | 2953   |
| lime         | 1030  | slate           | 1937  | red rock            | 2959   |
| shale blue   | 1040  | lime            | 2027  | shale               | 2964   |
| lime         | 1045  | slate           | 2033  | lime                | 2995   |
| shale        | 1050  | lime            | 2043  | shale blue          | 3010   |
| lime         | 1065  | shale           | 2053  | lime                | 3020   |
| shale        | 1075  | lime            | 2083  | slate               | 3028   |
| lime         | 1080  | 3 BW at 2065    |       | lime                | 3040   |
| shale        | 1090  | shale           | 2088  | shale               | 3045   |
| lime         | 1100  | lime            | 2159  | lime                | 3050   |
| slate        | 1109  | HFV 2165        |       | shale               | 3055   |
| lime         | 1116  | lime            | 2208  | lime                | 3065   |
| slate        | 1130  | slate           | 2220  | lime                | 3075   |
| slate pink   | 1140  | shale           | 2225  | shale               | 3119   |
| slate        | 1145  | sdv lime        | 2240  | lime                | 3124   |
| lime         | 1175  | lime            | 2245  | shale               | 3142   |
| shale blue   | 1195  | slate blue      | 2260  | Var. col. shale     | 3165   |
| lime         | 1200  | shale blue      | 2270  | red rock            | 3190   |
| lime         | 1245  | lime            | 2280  | OVER                |        |

19-22-3W Harvey County. Anna Martens # 1.  
Lloyd-Frost-Study and Curry.

| Formation                          | Depth. |
|------------------------------------|--------|
| V.C. shale                         | 3195   |
| chat                               | 3235   |
| show of oil and gas from 3220-3235 |        |
| chat more oil 3241 to 52           | 3282   |
| sand                               | 3294   |
| chat                               | 3308   |
| oil from 3282 to 3294.             |        |
| Big pay from 3302-3308             |        |
| TD.                                |        |

10" UR 1884.  
8UR 3195

SAND RECORD.

Chat 3195-3282  
Sand 3282-3294  
Chat 3294-3308

3195  
1442  
- 1753