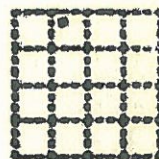


ALVA BILLINGS  
Herbel No. 5.

SEC. 35 T. 14 R. 14W  
NW NE NW

Total Depth. 3177'  
Comm. 3-4-40 Comp. 4-2-40  
Shot or Treated.  
Contractor.  
Issued. 5-4-40

County. Russell



CASING:  
15 1/2" 70'  
13 " 418' 8" P  
10 " 765'  
8 1/4" 2290' (P 1167' 1")  
7 " 2925' P  
53/16" 3171'

Elevation.

Production. Pot. 2254 B.

Figures Indicate Bottom of Formations.

|                       |      |                                |      |
|-----------------------|------|--------------------------------|------|
| sand                  | 50   | shale blue                     | 2560 |
| shale                 | 80   | lime                           | 2575 |
| red rock              | 95   | shale                          | 2585 |
| shale blue            | 122  | lime                           | 2610 |
| red rock              | 148  | shale                          | 2628 |
| sand HFW 150          | 200  | lime                           | 2720 |
| shale white           | 240  | shale                          | 2725 |
| sand                  | 270  | lime                           | 2735 |
| shale                 | 280  | shale                          | 2740 |
| sand & iron           | 290  | lime 1/2 BFW 2830              | 2860 |
| shale blue            | 335  | shale                          | 2865 |
| sand                  | 350  | lime (sh oil 2870)             | 2892 |
| shale                 | 365  | shale                          | 2894 |
| sand                  | 375  | red rock                       | 2900 |
| shale blue            | 400  | shale blue                     | 2925 |
| red rock              | 745  | lime                           | 2945 |
| lime                  | 775  | shale                          | 2950 |
| shale red             | 830  | lime                           | 2960 |
| red rock              | 880  | shale                          | 2965 |
| shale red             | 935  | lime                           | 2995 |
| shale brown           | 970  | shale                          | 3000 |
| red rock              | 1030 | lime brkn                      | 3025 |
| shale blue            | 1140 | lime                           | 3120 |
| salt                  | 1410 | shale                          | 3142 |
| shale & shells        | 1500 | red rock                       | 3144 |
| lime                  | 1515 | shale & shells                 | 3160 |
| shale & shells        | 1525 | lime                           | 3171 |
| red rock              | 1545 | lime sdy                       | 3174 |
| lime                  | 1570 | lime                           | 3175 |
| shale blue            | 1585 | sand                           | 3177 |
| lime                  | 1655 | Total Depth.                   |      |
| red rock              | 1670 |                                |      |
| lime (smell gas 1708) | 1785 |                                |      |
| shale blue            | 1790 | Pay 3171-74                    |      |
| red rock              | 1805 | 1123' 1" of 8 1/4 left in hole |      |
| lime                  | 1825 |                                |      |
| shale                 | 1830 |                                |      |
| lime                  | 1850 |                                |      |
| lime & shale brks     | 1905 |                                |      |
| lime                  | 1910 |                                |      |
| red rock              | 1925 |                                |      |
| lime                  | 1985 |                                |      |
| red rock              | 2000 |                                |      |
| lime                  | 2040 |                                |      |
| shale blue            | 2060 |                                |      |
| shale red             | 2075 |                                |      |
| lime                  | 2080 |                                |      |
| shale & lime          | 2160 |                                |      |
| lime                  | 2180 |                                |      |
| shale & lime          | 2290 |                                |      |
| shale blue            | 2360 |                                |      |
| lime                  | 2380 |                                |      |
| shale blue            | 2425 |                                |      |
| lime                  | 2435 |                                |      |
| shale blue            | 2455 |                                |      |
| lime                  | 2483 |                                |      |
| shale                 | 2493 |                                |      |
| lime                  | 2505 |                                |      |