

KERRY HITTLE #1.

Elevation -- 1263 ft.

SW1/4-NEL/4-NEL/4-21-31-4E.

Cowley County, Kansas.

Farm--Kerry Hittle Well No. 1.  
 Owner--W. M. McKnab & Tulsa Oil Corp.  
 Contractor--McKnab Drilling Co.

Comm. Rigging up 2-17-39  
 Comm. Drilling 2-21-39  
 Completed 4-10-39

Water Record

Per Hr. 7 B. W. -- 58-62  
 " " 12 B. W. --415-420  
 " " 32 " " --1455'--1460'  
 " " H. F. W. --1495'--1510'  
 " " H. F. W. --1590'--1610'  
 " " H. F. W. --1995'--2010'  
 " " I.H. B. W. --2470'--2480'  
 " " I.L. B. W. --2570'--2575'

Casing Record

86' 3"  
 477' 5"  
 1119' 11"  
 1782' 7"  
 2218' 5"  
 3357'

20"  
 15 1/2"  
 13 3/8"  
 10"  
 8 1/4"  
 6 5/8"

Formation

Thickness of Formation

|              |     |                      |
|--------------|-----|----------------------|
| Cellar       | 8   | 8                    |
| Lime         | 8   | 16                   |
| Slate Light  | 22  | 38                   |
| Shale Pink   | 10  | 48                   |
| Yellow Clay  | 10  | 58                   |
| Gravel       | 4   | 62                   |
| Blue Shale   | 11  | 73                   |
| Shale Light  | 25  | 98                   |
| Lime White   | 100 | 198--Run 86'-2'--20' |
| Shale Pink   | 5   | 203                  |
| Lime White   | 5   | 208                  |
| Shale Blue   | 15  | 223                  |
| Lime         | 6   | 229                  |
| Slate Blue   | 5   | 234                  |
| Lime         | 24  | 258                  |
| Slate Blue   | 3   | 261                  |
| Lime         | 12  | 273                  |
| Shale Light  | 13  | 286                  |
| Red Rock     | 10  | 296                  |
| Lime White   | 6   | 302                  |
| Shale Blue   | 14  | 316                  |
| Lime White   | 10  | 326                  |
| Shale Dark   | 5   | 331                  |
| Lime White   | 45  | 376                  |
| Slate Blue   | 5   | 381                  |
| Lime         | 5   | 386                  |
| Shale Blue   | 14  | 400                  |
| Lime White   | 32  | 432                  |
| Red Rock     | 8   | 440                  |
| Shale Yellow | 10  | 450                  |
| Shale White  | 10  | 460                  |
| Lime-Gyp.    | 12  | 472                  |
| Shale light  | 10  | 482                  |
| Lime White   | 12  | 494                  |
| Shale Blue   | 16  | 510                  |
| Lime White   | 10  | 520                  |
| Red Rock     | 10  | 530                  |
| Shale Blue   | 10  | 540                  |
| Lime         | 20  | 560                  |
| Slate Blue   | 5   | 565                  |
| Lime         | 10  | 575                  |
| Slate        | 5   | 580                  |
| Shale Blue   | 25  | 605                  |
| Lime White   | 5   | 610                  |
| Shale Blue   | 6   | 616                  |
| Lime White   | 18  | 634                  |
| Shale White  | 11  | 645                  |
| Shale Light  | 20  | 665                  |
| Lime White   | 5   | 670                  |
| Shale Light  | 20  | 690                  |
| Lime White   | 10  | 700                  |
| Shale Dark   | 15  | 715                  |
| Lime         | 12  | 727                  |
| Shale Blue   | 10  | 737                  |

415 to 420 12 bail-  
 er Pr. Hr.

Run 477' 15 1/2'  
 Casing.

KERRY HITTLE # I.

|                  |    |      |                         |
|------------------|----|------|-------------------------|
| Lime             | 5  | 742  |                         |
| Shale Blue       | 23 | 765  |                         |
| Lime             | 3  | 768  |                         |
| Shale Blue       | 23 | 791  |                         |
| Red Rock         | 7  | 798  |                         |
| Shale Grey       | 17 | 815  |                         |
| Lime White       | 5  | 820  |                         |
| Shale Blue       | 20 | 840  |                         |
| Shale Dark       | 10 | 850  |                         |
| Lime             | 5  | 855  |                         |
| Shale Blue       | 20 | 875  |                         |
| Lime             | 12 | 887  |                         |
| Shale Blue       | 62 | 949  |                         |
| Lime Hard, Dark  | 16 | 965  |                         |
| Lime White       | 15 | 980  |                         |
| Shale Blue       | 23 | 1003 |                         |
| Lime White       | 12 | 1015 |                         |
| Shale Blue       | 3  | 1018 |                         |
| Lime             | 5  | 1023 |                         |
| Shale Blue       | 4  | 1027 |                         |
| Lime White, Hard | 16 | 1043 |                         |
| Shale White      | 9  | 1052 |                         |
| Lime Grey        | 12 | 1064 |                         |
| Red Rock         | 5  | 1069 |                         |
| Shale Dark       | 25 | 1094 |                         |
| Sandy Lime       | 9  | 1103 |                         |
| Shale Blue       | 53 | 1156 | Run 1119'-11'' 13 3/8'' |
| Lime White       | 68 | 1224 | Casing.                 |
| Shale light      | 17 | 1241 |                         |
| Lime White       | 5  | 1246 |                         |
| Shale light      | 33 | 1279 |                         |
| Lime White       | 55 | 1334 |                         |
| Shale Blue       | 10 | 1344 |                         |
| Lime White       | 40 | 1384 |                         |
| Slate Blue       | 5  | 1389 |                         |
| Lime White       | 5  | 1394 |                         |
| Shale Blue       | 10 | 1404 |                         |
| Lime White       | 5  | 1409 |                         |
| Shale light      | 5  | 1414 |                         |
| Lime White       | 20 | 1434 |                         |
| Shale Blue       | 6  | 1440 |                         |
| Lime White       | 17 | 1457 |                         |
| Shale Blue       | 2  | 1459 |                         |
| Lime White       | 30 | 1489 | 3 1/2 B. W. 1455--60    |
| Shale dark       | 5  | 1494 |                         |
| Lime             | 10 | 1504 |                         |
| Sandy Lime       | 25 | 1529 | H. F. W. 1495-1510      |
| Shale Blue       | 18 | 1547 |                         |
| Lime Brown-Hard. | 12 | 1559 |                         |
| Shale Blue       | 12 | 1571 |                         |
| Lime Brown       | 3  | 1574 |                         |
| Lime Sandy       | 12 | 1586 |                         |
| Shale Blue       | 13 | 1599 |                         |
| Sand-White-water | 20 | 1619 | H. W. W. 1590-1610      |
| Lime Sandy       | 27 | 1640 | Run 1636'-5'' of 10''   |
| Shale Blue       | 22 | 1668 | Casing.                 |
| Lime Shell       | 1  | 1669 |                         |
| Shale Blue       | 9  | 1678 |                         |
| Lime White       | 19 | 1697 |                         |
| Shale Dark       | 5  | 1702 |                         |
| Lime Shell       | 3  | 1705 |                         |
| Shale Blue       | 8  | 1713 |                         |
| Shale Red & Blue | 16 | 1729 |                         |
| Shale light      | 10 | 1739 |                         |
| Lime White       | 25 | 1764 | ---Cave                 |
| Shale Blue       | 11 | 1775 |                         |
| Lime Shell       | 3  | 1778 |                         |
| Shale light      | 12 | 1790 | Underrammed 10''        |
| Lime Grey        | 7  | 1797 |                         |
| Shale Blue       | 36 | 1833 |                         |
| Lime Grey        | 11 | 1844 |                         |
| Sandy Lime       | 20 | 1864 |                         |
| Shale Blue       | 15 | 1879 |                         |
| Shale Sandy      | 10 | 1889 |                         |
| Shale Blue       | 5  | 1894 |                         |

5711

# 3.

KERRY HITTIE # I.

|                         |        |          |                   |
|-------------------------|--------|----------|-------------------|
| Shale light             | 55     | 1949     |                   |
| Shale Blue              | 20     | 1969     |                   |
| Lime White              | 40     | 2009     |                   |
| Shale Blue              | 5      | 2014     |                   |
| Lime Sandy              | 47     | 2061     |                   |
| Shale Blue              | 3      | 2064     |                   |
| Lime White              | 25     | 2089     | H. F. W. 2089'    |
| Shale Blue              | 25     | 2114     |                   |
| Shale light             | 10     | 2124     |                   |
| Shale Blue              | 54     | 2178     |                   |
| Shale Dark              | 25     | 2203     |                   |
| Lime Sandy-Hard         | 6      | 2209     |                   |
| Sand-Grey               | 5      | 2214     |                   |
| Lime Sandy              | 12     | 2226     | Run 2218'-3''     |
| Shale Blue              | 180    | 2406     | 10'' Casing       |
| Lime Sandy              | 18     | 2424     | Oil Show 2400'-   |
| Lime Brown              | 15     | 2439     | 2405''            |
| Shale Sandy             | 15     | 2454     |                   |
| Lime Dark               | 10     | 2464     |                   |
| Shale Blue              | 8      | 2472     |                   |
| Lime Grey               | 47     | 2519     |                   |
| Lime-White-Hard         | 23     | 2542     |                   |
| Lime Brown              | 12     | 2554     |                   |
| Lime Grey               | 20     | 2574     |                   |
| Shale Black             | 5      | 2579     |                   |
| Lime Grey               | 30     | 2609     |                   |
| Lime Brown              | 23     | 2632     |                   |
| Shale Black             | 10     | 2642     |                   |
| Lime Dark               | 4      | 2646     |                   |
| Lime Grey               | 8      | 2654     |                   |
| Shale Sandy             | 30     | 2684     |                   |
| Shale Blue              | 25     | 2709     |                   |
| Lime                    | 25     | 2734     |                   |
| Lime Brown              | 3      | 2737     |                   |
| Shale Blue              | 17     | 2754     |                   |
| Lime Shell              | 2      | 2756     |                   |
| Shale Blue              | 10     | 2766     |                   |
| Lime Grey               | 33     | 2799     |                   |
| Shale Dark              | 8      | 2807     |                   |
| Lime White              | 9      | 2816     |                   |
| Lime Grey-Hard          | 22     | 2838     |                   |
| Shale Blue              | 36     | 2874     |                   |
| Shale Dark              | 33     | 2907     |                   |
| Lime                    | 2      | 2909     |                   |
| Shale Dark              | 15     | 2924     |                   |
| Shale Sandy             | 15     | 2939     |                   |
| Lime Shell & Blue Shale | 25     | 2964     |                   |
| Shale Dark              | 20     | 2984     | Oil Show 2990'-   |
| Sand light              | 25     | 3009     | 3000'             |
| Shale Dark              | 16     | 3025     | SLM-3016          |
| Chat                    | 9      | 3025     | Cave              |
| Lime Brown (Miss)       | 25     | 3050     |                   |
| Lime White              | 3      | 3053     |                   |
| Lime Grey               | 8      | 3061     |                   |
| Lime Black              | 67     | 3128     |                   |
| Lime Grey               | 12     | 3140     |                   |
| Lime Dark               | 35     | 3175     |                   |
| Lime White              | 45     | 3220     |                   |
| Shale Green             | 27     | 3247     |                   |
| Lime White              | 11     | 3258     |                   |
| Shale Blue              | 21     | 3279     |                   |
| Lime                    | 12 1/2 | 3291 1/2 |                   |
| Shale Blue              | 2      | 3293 1/2 | SLM-Top           |
| Shale Black             | 14 1/2 | 3318     | Chatlanvga        |
| Slate & Shell (Chat)    | 10     | 3325     | Top (Chat Shale   |
| Shale Black             | 32     | 3357     | 3291')            |
| Shale Black             | 16     | 3373     | Run 3357' 6 5/8'' |
| Sand Grey               | 5      | 3378     | Casing.           |
| Lime Hard               | 4      | 3382     | First Show of oil |
| Sand Grey               | 3      | 3385     | 3373'-3375'       |
| Selicious Lime          | 6      | 3391     | T. D.             |