

Were core samples taken? No

Were cuttings caught during drilling? No

Were Y Electrical, N Mechanical, N or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Treatment : Perforated Fifth Sand from 2799' -2805' & 2806'-2808' (4 SPF). Treated w/ 300 gals 15% HCl, 195 bbl gelled water, and 2100 lbs 20/40 sand.

Well Log : All depths are measured relative to KB (8' AGL).

| | | | |
|-----------------------|------|---|------|
| Shale w/ sand streaks | 0 | - | 445 |
| Coal | 445 | - | 454 |
| Shale | 676 | - | 676 |
| Sand | 676 | - | 703 |
| shale | 703 | - | 986 |
| sand | 986 | - | 1002 |
| shale | 1002 | - | 1014 |
| sand | 1014 | - | 1030 |
| shale | 1030 | - | 1159 |
| sand | 1159 | - | 1234 |
| shale | 1234 | - | 1370 |
| sand | 1370 | - | 1492 |
| shale | 1492 | - | 1663 |
| sand | 1663 | - | 1715 |
| shale | 1715 | - | 1748 |
| sand | 1748 | - | 1754 |
| shale | 1754 | - | 1810 |
| Big Lime | 1810 | - | 1886 |
| Big Linjun | 1886 | - | 1966 |
| shale | 1966 | - | 2390 |
| sand | 2390 | - | 2402 |
| shale | 2402 | - | 2492 |
| sand | 2492 | - | 2506 |
| sand & shale | 2506 | - | 2638 |
| shale | 2638 | - | 2798 |
| Fifth Sand | 2798 | - | 2808 |
| shale | 2808 | - | 2294 |

T.D. -Logger 2990 KB

T.D. -Driller 2994 KB

02/24/2012