

HAT DRILLING
 12371 KS HWY 7
 MOUND CITY, KS 66056
 LICENSE # 33734

Schmidt I-11
 API # 15-091-24307-00-00
 SPUD DATE 6-3-14

| Footage | Formation | Thickness | Set 43' of 7" TD 912' Ran 906' of 2 7/8 on 6-4-14 |
|---------|-------------------|-----------|---|
| 2 | Topsoil | 2 | |
| 28 | clay | 26 | |
| 50 | lime | 22 | |
| 57 | shale | 7 | |
| 65 | lime | 8 | |
| 75 | shale | 10 | |
| 93 | lime | 18 | |
| 115 | shale | 22 | |
| 137 | lime | 22 | |
| 183 | shale | 46 | |
| 192 | lime | 9 | |
| 213 | shale | 21 | |
| 234 | lime | 21 | |
| 254 | shale | 20 | |
| 260 | lime | 6 | |
| 265 | shale | 5 | |
| 275 | lime | 10 | |
| 319 | shale | 44 | |
| 391 | lime | 72 | |
| 563 | shale | 172 | |
| 568 | lime | 5 | |
| 585 | shale | 17 | |
| 588 | lime | 3 | |
| 607 | shale | 19 | |
| 612 | lime | 5 | |
| 846 | shale | 234 | |
| 850 | oil sand | 4 | good odor, strong bleed 7 |
| 853 | white mulky shale | 3 | no odor |
| 855 | oil sand | 2 | good odor, good show 2 |
| 858 | shale/sand | 3 | 65% shale, 35% sand, little bleed 3 |
| 862 | black sand | 4 | strong odor 4 |
| 865 | white mulky shale | 3 | no odor |
| 912 | shale | 47 | |

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7-10

4+2+4? 10?