# Legend Drilling

## Drillers Log

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|---|---|
| Rig Number: 1 | S. 28 T. 29 R. 15 E |
| API No. 15- 205 - 28369 | County: Wilson |
| Elev. 975' | Location: NE-SE-SE-SE |

| | |
|---|---|
| Operator: | HPH Kansas LLC |
| Address: | 555 North point center East Suite 400 Alpharetta GA 30022 |
| Well No: 10 | Lease Name: Lander |
| Footage Location: | 600 ft. from the (N) (S) Line |
| | 165 ft. from the (E) (W) Line |
| Drilling Contractor: | Legend Drilling |
| Spud Date: 12/11/15 | Geologist: |
| Date Completed: 12/16/15 | Total Depth: 1354' |

| Gas Test: |
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| Put oil on pit From 1218' TO 1245' |
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| Casing Record | Surface | Production | Rig Time: |
|---|---|---|---|
| Size Hole: | 11" | 6 3/4" | |
| Size Casing: | 8 5/8" | | 1354' of 6 3/4" Hole @ |
| Weight: | 23# | | $9.50/F Total $12,863 |
| Setting Depth: | 42' | | |
| Type Cement: | port | | |
| Sacks: | 8 | | |

Inj water @ 530'

**Well Log**

| Formation | Top | Btm. | Formation | Top | Btm. | Formation | Top | Btm. |
|---|---|---|---|---|---|---|---|---|
| Top Soil | 0 | 2 | lime | 923 | 934 | | | |
| lime | 2 | 152 | mulkey | 934 | 939 | | | |
| Shale | 152 | 275 | lime | 939 | 943 | | | |
| wet Sand | 275 | 390 | Shale | 943 | 1013 | | | |
| lime | 390 | 392 | Coal | 1013 | 1015 | | | |
| Sand Sho | 392 | 402 | Shale | 1015 | 1053 | | | |
| lime | 402 | 505 | coal | 1053 | 1054 | | | |
| wet Sand | 505 | 532 | Shale | 1054 | 1128 | | | |
| Shale | 532 | 538 | Sand/Shale | 1128 | 1138 | | | |
| lime | 538 | 563 | Sand "Sho | 1138 | 1168 | | | |
| Shale | 563 | 606 | Oil Sand | 1168 | 1208 | | | |
| lime | 606 | 620 | coal | 1208 | 1211 | | | |
| Shale | 620 | 667 | water Sand | 1211 | 1217 | | | |
| lime | 667 | 687 | Oil Sand | 1217 | 1242 | | | |
| Shale | 687 | 699 | Coal | 1242 | 1243 | | | |
| lime | 699 | 715 | Sand/Shale | 1243 | 1251 | | | |
| Shale | 715 | 828 | coal | 1251 | 1252 | | | |
| lime | 828 | 833 | Shale | 1252 | 1287 | | | |
| coal | 833 | 834 | coal | 1287 | 1288 | | | |
| Shale | 834 | 837 | Sand/Shale | 1288 | 1293 | | | |
| lime | 837 | 855 | mississippi | 1293 | 1354 T | | | |
| Shale | 855 | 891 | | | | | | |
| Oswego lime | 891 | 913 | | | | | | |
| summit | 913 | 923 | | | | | | |