

McPherson Drilling LLC Drillers Log

PO# **AFE# D11037**

| | | | |
|------------------------------|-----------------------|--------------|---------------|
| Rig Number: 1 | S. 18 | T. 29 | R.17 E |
| API No. 15- 205-27944 | County: Wilson | | |
| Elev. 900 | Location: | | |

| Gas Tests: | |
|------------------------|------|
| 550 | 0 |
| 665 | 0 |
| 675 | 5.13 |
| 760 | 3.92 |
| 910 | 3.92 |
| 927 | 3.92 |
| 1030 | 3.92 |
| 1060 | 4.84 |
| 1070 | 4.84 |
| 1205 | 4.84 |
| Comments: | |
| Start injecting @ 320' | |

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|--|
| Operator: POSTROCK |
| Address: 210 Park Ave Ste 2750 Oklahoma City, OK 73102-5641 |
| Well No: 18-2A Lease Name: WALKER JOHN |
| Footage Location: 978 ft. from the NORTH Line 1,900 ft. from the WEST Line |
| Drilling Contractor: McPherson Drilling LLC |
| Spud date: 5/20/2011 Geologist: Ken Recoy |
| Date Completed: 5/23/2011 Total Depth: 1204 |

| Casing Record | | | Rig Time: | |
|-----------------------|----------|------------|------------------|------------|
| | Surface | Production | | |
| Size Hole: | 11" | 7 7/8" | 663' | oil odor |
| Size Casing: | 8 5/8" | | 815' | odor |
| Weight: | 20# | | 555' | h2o |
| Setting Depth: | 21 | MCP | | |
| Type Cement: | Portland | | DRILLER: | Andy Coats |
| Sacks: | 4 | MCP | | |

| Well Log | | | | | | | | | | |
|-----------------|-----|------|------|-------------|-----|------|--|-----------|------|------|
| Formation | Top | Btm. | HRS. | Formation | Top | Btm. | | Formation | Top | Btm. |
| soil | 0 | 4 | | sand shale | 500 | 550 | | shale | 911 | 915 |
| shale | 4 | 37 | | shale | 550 | 555 | | coal | 915 | 916 |
| lime | 37 | 42 | | pink lime | 555 | 599 | | shale | 916 | 1007 |
| shale | 42 | 131 | | coal | 599 | 601 | | coal | 1007 | 1010 |
| lime | 131 | 135 | | shale | 601 | 638 | | shale | 1010 | 1055 |
| shale | 135 | 141 | | oswego | 638 | 661 | | coal | 1055 | 1057 |
| lime | 141 | 221 | | oil summit | 661 | 670 | | shale | 1057 | 1068 |
| shale | 221 | 260 | | lime | 670 | 678 | | miss | 1068 | 1205 |
| coal | 260 | 262 | | mulky | 678 | 683 | | | | |
| lime | 262 | 286 | | lime | 683 | 689 | | | | |
| shale | 286 | 294 | | shale | 689 | 748 | | | | |
| coal | 294 | 297 | | coal | 748 | 749 | | | | |
| lime | 297 | 357 | | shale | 749 | 763 | | | | |
| shale | 357 | 370 | | sand shale | 763 | 815 | | | | |
| black shale | 370 | 374 | | sand (odor) | 815 | 834 | | | | |
| shale | 374 | 408 | | coal | 834 | 835 | | | | |
| coal | 408 | 410 | | sand (odor) | 835 | 849 | | | | |
| shale | 410 | 412 | | coal | 849 | 851 | | | | |
| lime | 412 | 415 | | shale | 851 | 893 | | | | |
| sand shale | 415 | 431 | | black shale | 893 | 899 | | | | |
| lime | 431 | 435 | | shale | 899 | 903 | | | | |
| shale | 435 | 450 | | coal | 903 | 904 | | | | |
| lime | 450 | 452 | | shale | 904 | 910 | | | | |
| shale | 452 | 500 | | coal | 910 | 911 | | | | |