

**McPherson Drilling LLC Drillers Log**

**PO#** **AFE# D11093**

<b>Rig Number:</b> 1	<b>S. 28</b>	<b>T. 31</b>	<b>R.14 E</b>
<b>API No. -15-</b> 125-32120	<b>County: Montgomery</b>		
Elev. 948	<b>Location:</b>		

<b>Gas Tests:</b>	
502'	385
704'	415
779'	385
805'	385
880'	385
905'	245
1005'	319
1030'	319
1080'	283
1105'	283
1130'	319
1230'	319
1305'	319
1330'	319
1380'	319
1405'	319
1520'	283
<b>Comments:</b>	
Start injecting @	

<b>Operator:</b> POSTROCK
<b>Address:</b> 210 Park Ave Ste 2750 Oklahoma City, OK 73102-5641
<b>Well No:</b> 19-1 <b>Lease Name:</b> SCHWATKEN WILBUR
<b>Footage Location:</b> 1,980 ft. from the NORTH Line 860 ft. from the WEST Line
<b>Drilling Contractor:</b> McPherson Drilling LLC
<b>Spud date:</b> 11/7/2011 <b>Geologist:</b> Ken Recoy
<b>Date Completed:</b> 11/9/2011 <b>Total Depth:</b> 1520

<b>Casing Record</b>			<b>Rig Time:</b>	
	Surface	Production		
<b>Size Hole:</b>	11	7 7/8		
<b>Size Casing:</b>	8 5/8			h2o 550'
<b>Weight:</b>	20			
<b>Setting Depth:</b>	20	McP		
<b>Type Cement:</b>	Portland		<b>DRILLER:</b>	Andy Coats
<b>Sacks:</b>	4	McP		

<b>Well Log</b>										
<b>Formation</b>	<b>Top</b>	<b>Btm.</b>	<b>HRS.</b>	<b>Formation</b>	<b>Top</b>	<b>Btm.</b>		<b>Formation</b>	<b>Top</b>	<b>Btm.</b>
Soil	0	3		Lime	759	772		Coal	1289	1291
Lime	3	75		Shale	772	777		Shale	1291	1325
Shale	75	198		Coal	777	778		Coal	1325	1327
Lime	198	203		Shale	778	785		Shale	1327	1368
Shale	203	349		Coal	785	787		Coal	1368	1370
Black Shale	349	351		Shale	787	874		Shale	1370	1372
Shale	351	399		Coal	874	875		Miss	1372	1520
Lime	399	405		Lime	875	894				
Shale	405	409		Black Shale	894	897				
Lime	409	429		Shale	897	958				
Shale	429	437		Oswego	958	981				
Lime	437	461		Summit	981	994				
Shale	461	472		Lime	994	1009				
Lime	472	481		Mulky	1009	1019				
Coal	481	482		Lime	1019	1024				
Lime	482	497		Shale	1024	1061				
Shale	497	575		Coal	1061	1063				
Lime	575	600		Sand Shale	1063	1101				
Shale	600	650		Coal	1101	1102				
Sand Shale	650	672		Shale	1102	1112				
Coal	672	673		Coal	1112	1113				
Shale	673	714		Shale	1113	1214				
Lime	714	739		Coal	1214	1216				
Shale	739	759		Shale	1216	1289				