

**McPherson Drilling LLC Drillers Log**

**PO#** **AFE# D11070**

<b>Rig Number:</b> 1	<b>S. 15</b>	<b>T. 28</b>	<b>R.18 E</b>
<b>API No. -105- 133-27572</b>	<b>County: Neosho</b>		
Elev. 970	<b>Location:</b>		

<b>Gas Tests:</b>	
230'	0
530'	3.37
595'	3.37
605'	3.37
705'	3.37
750'	3.37
780'	5.05
805'	5.05
855'	4.45
955'	4.45
1006'	87.8
1031'	87.8
1150'	76

**Comments:**  
Start injecting @

<b>Operator:</b> POSTROCK
<b>Address:</b> 210 Park Ave Ste 2750 Oklahoma City, OK 73102-5641
<b>Well No:</b> 15-1 <b>Lease Name:</b> TENNIS
<b>Footage Location:</b> 2,250 ft. from the SOUTH Line
2,280 ft. from the WEST Line
<b>Drilling Contractor:</b> McPherson Drilling LLC
<b>Spud date:</b> 7/14/2011 <b>Geologist:</b> Ken Recoy
<b>Date Completed:</b> 7/15/2011 <b>Total Depth:</b> 1150

<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"			
<b>Weight:</b>	20#			
<b>Setting Depth:</b>	22	MCP	1000'	h2o
<b>Type Cement:</b>	PORT		<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	5		coal	476	478		shale	900	941
shale	5	68		lime	478	520		coal	941	943
lime	68	136		coal	520	522		shale	943	947
shale	136	149		shale	522	562		coal	947	948
black shale	149	151		coal	562	564		shale	948	996
sand	151	175		oswego	564	583		coal	996	999
lime	175	206		summit	583	591		shale	999	1008
shale	206	213		lime	591	596		miss	1008	1150
lime	213	226		mulky	596	600				
black shale	226	227		shale	600	610				
coal	227	228		sand shale	610	702				
lime	228	294		coal	702	704				
shale	294	309		shale	704	743				
black shale	309	310		coal	743	745				
shale	310	315		shale	745	761				
lime	315	317		coal	761	763				
shale	317	359		shale	763	771				
lime	359	364		coal	771	772				
shale	364	367		shale	772	796				
lime	367	374		coal	796	797				
shale	374	384		shale	797	850				
lime	384	394		coal	850	852				
shale	394	471		shale	852	899				
lime	471	476		black shale	899	900				