

**McPherson Drilling LLC Drillers Log**

**PO# LRG031211-3 AFE# D11024**

<b>Rig Number:</b> 1	<b>S. 14</b>	<b>T. 29</b>	<b>R. 17E</b>
<b>API No. 15-</b> 133-27544	<b>County: Neosho</b>		
Elev. 952	<b>Location:</b>		

<b>Gas Tests:</b>	
80	0
253	0
305	0
410	SB
560	SB
655	SB
675	SB
755	SB
765	10.9
805	10.9
880	15.4
905	15.4
930	15.4
1005	16.7
1030	16.7
1080	19.9
1220	19.9
<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> 14-4 <b>Lease Name:</b> Goins Liv Trust
<b>Footage Location:</b> 870 ft. from the SOUTH Line
770 ft. from the EAST Line
<b>Drilling Contractor:</b> McPherson Drilling LLC
<b>Spud date:</b> 3/7/2011 <b>Geologist:</b> Ken Recoy
<b>Date Completed:</b> 3/8/2011 <b>Total Depth:</b> 1220

<b>Casing Record</b>			<b>Rig Time:</b>	
	Surface	Production		
<b>Size Hole:</b>	11"	7 7/8"	odor @	630"
<b>Size Casing:</b>	8 5/8"		h2o @	179" 211" lot water
<b>Weight:</b>	20#			1100"
<b>Setting Depth:</b>	21	MCP	<b>DRILLER:</b>	Andy Coats
<b>Type Cement:</b>	Portland			
<b>Sacks:</b>	4	MCP		

<b>Well Log</b>										
Formation	Top	Btm.	HRS.	Formation	Top	Btm.		Formation	Top	Btm.
soil	0	7		lime	434	440		blackshale	867	870
shale	7	17		shale	440	443		shale	870	889
lime	17	38		lime	443	456		coal	889	891
sand	38	68		shale	456	539		shale	891	912
shale	68	77		lime	539	548		coal	912	914
coal	77	78		coal	548	550		shale	914	990
shale	78	115		lime	550	585		coal	990	991
blackshale	115	117		coal	585	587		shale	991	1012
shale	117	126		shale	587	625		coal	1012	1014
lime	126	128		osw	625	647		shale	1014	1072
shale	128	158		summit	647	652		coal	1072	1074
lime	158	238		lime	652	660		shale	1074	1078
coal	238	240		mulky	660	664		miss.lime	1078	1220
shale	240	257		lime	664	668				
lime	257	286		shale	668	742				
shale	286	290		coal	742	744				
blackshale	290	293		shale	744	755				
shale	293	295		lime	755	757				
lime	295	349		coal	757	758				
shale	349	354		shale	758	795				
blackshale	354	357		coal	795	798				
shale	357	403		shale	798	809				
coal	403	405		blackshale	809	811				
sandshale	405	434		shale	811	867				