

**McPherson Drilling LLC Drillers Log**

**PO# LRG031211-1 AFE# D11020**

<b>Rig Number:</b> 1	<b>S. 32 T. 29 R.18 E</b>
<b>API No. 15- 133-27554</b>	<b>County: Neosho</b>
Elev. 1077	Location:

<b>Gas Tests:</b>	
230	0
505	0
680	SB
675	SB
710	SB
780	SB
830	SB
920	SB
930	700
1005	700
1078	700
1110	700
1256	700

odor @ 650'

Comments: water at 327'

Start injecting @ 330'

<b>Operator:</b> POSTROCK
<b>Address:</b> 210 Park Ave Ste 2750 Oklahoma City, OK 73102-5641
<b>Well No:</b> 32-2A <b>Lease Name:</b> Erbe Ren Trust
<b>Footage Location:</b> 925 ft. from the NORTH Line 1,730 ft. from the EAST Line
<b>Drilling Contractor:</b> McPherson Drilling LLC
<b>Spud date:</b> 3/9/2011 <b>Geologist:</b> Ken Recoy
<b>Date Completed:</b> 3/10/2011 <b>Total Depth:</b> 1256

<b>Casing Record</b>			<b>Rig Time:</b>	
	Surface	Production		
<b>Size Hole:</b>	11"	7 7/8"	waiting on	2:00-3:00 1 hr
<b>Size Casing:</b>	8 5/8"		pump truck to	
<b>Weight:</b>	20#		kill well	
<b>Setting Depth:</b>		MCP	pump	3:00-4:30 1 1/2 hr
<b>Type Cement:</b>			pump	4:45-5:00 3/4 hr
<b>Sacks:</b>		MCP	<b>DRILLER:</b>	Andy Coats

**Well Log**

Formation	Top	Btm.	HRS.	Formation	Top	Btm.	Formation	Top	Btm.
soil	0	6		shale	440	449	shale	852	900
shale	6	105		lime	449	456	coal	914	925
lime	105	112		shale	456	498	shale	916	926
shale	112	166		black shale	498	500	coal	920	965
lime	166	226		shale	500	574	shale	921	967
coal	226	227		coal	574	575	coal	987	1002
lime	227	231		pink lime	575	604	shale	988	1004
shale	231	249		black shale	604	606	coal	1055	1065
lime	249	270		shale	606	643	shale	1057	1067
shale	270	275		coal	643	644	coal	1073	1083
lime	275	282		shale	644	649	shale	1074	1225
black shale	282	286		osw lime	649	670	coal	1106	1107
lime	286	353		summit	670	679	shale	1107	1115
shale	353	367		lime	679	686	miss lime	1115	1256
black shale	367	370		mulky	686	673			
shale	370	380		lime	673	675			
coal	380	381		shale	675	703			
shale	381	415		coal	703	704			
coal	415	417		shale	704	770			
shale	417	418		coal	770	772			
lime	418	422		sand shale	772	818			
shale	422	430		coal	818	820			
lime	430	435		shale	820	850			
sand shale	435	440		black shale	850	852			