

McPherson Drilling LLC Drillers Log

PO# **AFE# D11072**

Rig Number: 1	S. 17	T. 29	R.18 E
API No. -105- 133-27571	County: Neosho		
Elev. 1010	Location:		

Gas Tests:	
230'	0
305'	0
405'	0
555'	0
605'	5.32
655'	4.76
680'	4.76
755'	4.76
780'	5.32
805'	5.32
830'	4.76
880'	5.32
930'	5.32
1031'	28
1070'	25.8
1081'	25.8
1220'	25.80
Comments: Start injecting @	

Operator: POSTROCK
Address: 210 Park Ave Ste 2750 Oklahoma City, OK 73102-5641
Well No: 17-6 Lease Name: KANSAS 1178
Footage Location: 660 ft. from the SOUTH Line 1,950 ft. from the EAST Line
Drilling Contractor: McPherson Drilling LLC
Spud date: 7/11/2011 Geologist: Ken Recoy
Date Completed: 7/12/2011 Total Depth: 1220

Casing Record			Rig Time:	
	Surface	Production		
Size Hole:	11"	7 7/8"		
Size Casing:	8 5/8"			
Weight:	20#			
Setting Depth:	22	MCP	1055'	h2o
Type Cement:	PORT		DRILLER:	Andy Coats
Sacks:	4	MCP		

Well Log										
Formation	Top	Btm.	HRS.	Formation	Top	Btm.		Formation	Top	Btm.
soil	0	3		sand	490	512		coal	928	930
shale	3	6		shale	512	545		shale	930	1015
sand	6	18		lime	545	550		coal	1015	1017
shale	18	89		coal	550	552		shale	1017	1065
lime	89	92		lime	552	575		coal	1065	1067
shale	92	125		shale	575	579		shale	1067	1076
lime	125	197		lime	579	584		miss	1076	1220
shale	197	200		coal	584	585				
black shale	200	202		shale	585	624				
shale	202	235		oswego	624	643				
black shale	235	237		summit	643	652				
shale	237	248		lime	652	662				
lime	248	273		mulky	662	668				
shale	273	281		shale	668	740				
coal	281	283		coal	740	741				
shale	283	287		shale	741	763				
lime	287	335		coal	763	765				
shale	335	401		shale	765	801				
coal	401	402		coal	801	802				
shale	402	437		shale	802	817				
lime	437	450		coal	817	819				
black shale	450	452		shale	819	864				
sand shale	452	461		coal	864	865				
shale	461	490		shale	865	928				