

McPherson Drilling LLC Drillers Log

PO# LRG031211-9 AFE# D11027

Rig Number: 1	S. 32	T. 29	R.18 E
API No. 15- 133-27545	County: Neosho		
Elev. 1060	Location:		

Gas Tests:	
430	0
600	0
630	SB
690	SB
710	SB
780	SB
805	SB
831	SB
855	SB
910	SB
955	SB
980	SB
1055	SB
1118	SB
1130	SB
1256	SB
Comments:	
Start injecting @	

Operator: POSTROCK
Address: 210 Park Ave Ste 2750 Oklahoma City, OK 73102-5641
Well No: 32-2 Lease Name: UMBARGER DWAYNE
Footage Location: 2,145 ft. from the SOUTH Line 1,980 ft. from the EAST Line
Drilling Contractor: McPherson Drilling LLC
Spud date: 3/22/2011 Geologist: Ken Recoy
Date Completed: 3/23/2011 Total Depth: 1256

Casing Record			Rig Time:	
	Surface	Production	2:00-5:00	waitin on road
Size Hole:	11"	7 7/8"	3 hours	
Size Casing:	8 5/8"			
Weight:	20#			
Setting Depth:	20	MCP		
Type Cement:	pump truck		DRILLER:	Andy Coats
Sacks:		MCP		

Well Log										
Formation	Top	Btm.	HRS.	Formation	Top	Btm.		Formation	Top	Btm.
soil	0	1		summit	682	689		miss lime	1118	1256
sand shale	1	4		lime	689	696				
shale	4	56		mulky	696	700				
coal	56	58		lime	700	702				
shale	58	122		shale	702	772				
lime	122	142		coal	772	773				
sand shale	142	187		shale	773	792				
lime	187	251		lime	792	794				
black shale	251	254		coal	794	796				
shale	254	280		shale	796	828				
lime	280	292		coal	828	829				
black shale	292	299		shale	829	849				
lime	299	362		coal	849	851				
shale	362	426		shale	851	903				
coal	426	427		black shale	903	805				
sand shale	427	438		shale	805	945				
shale	438	442		coal	945	946				
lime	442	475		shale	946	973				
shale	475	585		coal	973	974				
coal	585	586		shale	974	1047				
lime	586	617		coal	1047	1049				
coal	617	618		shale	1049	1113				
shale	618	657		coal	1113	1114				
osw lime	657	682		shale	1114	1118				