

McPherson Drilling LLC Drillers Log

PO# LRG031211-5 AFE# D11023

Rig Number: 1	S. 20	T. 29	R. 18E
API No. 15- 133-27552	County: Neosho		
Elev. 1040	Location:		

Gas Tests:	
250	0
305	SB
379	SB
430	SB
480	SB
565	SB
604	8.87
670	8.87
680	8.87
755	138
780	138
830	145
890	145
930	145
940	145
980	145
1030	164
1081	166
1106	166
1231	166

Operator: POSTROCK
Address: 210 Park Ave Ste 2750 Oklahoma City, OK 73102-5641
Well No: 20-2 Lease Name: Brungardt Trust
Footage Location: 660 ft. from the SOUTH Line
1,980 ft. from the EAST Line
Drilling Contractor: McPherson Drilling LLC
Spud date: 3/6/2011 Geologist: Ken Recoy
Date Completed: 3/7/2011 Total Depth: 1231

Casing Record			Rig Time:	
	Surface	Production		
Size Hole:	11"	7 7/8"	waiting on pit	6:00-8:00 a.m.
Size Casing:	8 5/8"		waiting on	3:00-3:30 p.m.
Weight:	20#		pump truck to	
Setting Depth:	22	MCP	kill well	
Type Cement:	Portland		DRILLER:	Andy Coats
Sacks:	4	MCP		

Start injecting @ 1106

Well Log

Formation	Top	Btm.	HRS.	Formation	Top	Btm.	Formation	Top	Btm.
soil	0	4		lime	561	595	shale	934	968
clay	4	7		coal	595	597	coal	968	970
shale	7	132		shale	597	636	shale	970	1015
lime	132	203		osw	636	659	coal	1015	1017
sandshale	203	239		summit	659	667	shale	1017	1023
coal	239	240		lime	667	672	coal	1023	1025
shale	240	243		mulky	672	676	shale	1025	1076
lime	243	268		lime	676	677	coal	1076	1078
shale	268	274		shale	677	753	shale	1078	1084
sandshale	274	281		coal	753	755	miss.lime	1084	1231
shale	281	285		shale	755	772			
blackshale	285	289		lime	772	774			
lime	289	342		coal	774	776			
shale	342	359		shale	776	812			
blackshale	359	360		coal	812	814			
shale	360	408		shale	814	828			
coal	408	409		coal	828	829			
shale	409	439		shale	829	879			
lime	439	456		coal	879	880			
blackshale	456	457		shale	880	897			
lime	457	470		sandshale	897	914			
shale	470	556		coal	914	916			
lime	556	559		shale	916	932			
coal	559	561		coal	932	934			