McPherson Drilling LLC Drillers Log

PO# **AFE# D11047**

Rig Number:	**1**	**S. 27**	**T. 34** **R.18 E**
API No. -105-	**099-24651**	County:	**Labette**
	Elev. 867	Location:	

Operator:	POSTROCK			
Address:	210 Park Ave Ste 2750			
	Oklahoma City, OK 73102-5641			
Well No:	**27-1**	Lease Name:	**HOUGH**	
Footage Location:	2,150	ft. from the	SOUTH	Line
	850	ft. from the	WEST	Line
Drilling Contractor:	**McPherson Drilling LLC**			
Spud date:	6/15/2011	Geologist:	Ken Recoy	
Date Completed:	6/16/2011	Total Depth:	980	

Gas Tests:

150'	0
200'	0
278'	0
315'	0.747
340'	0.528
390'	0.747
404'	0.747
429'	1.06
478'	1.06
655'	2.37
755'	0
803'	2.37
830'	2.37
855'	2.92
980'	2.92

Casing Record

	Surface	Production
Size Hole:	11"	7 7/8"
Size Casing:	8 5/8"	
Weight:	20#	
Setting Depth:	23	MCP
Type Cement:	Port	
Sacks:	4	MCP

Rig Time:

840'	h2o
DRILLER:	Andy Coats

Comments:
Start injecting @

Well Log

Formation	Top	Btm.	HRS.	Formation	Top	Btm.		Formation	Top	Btm.
soil	0	3		coal	652	653				
lime	3	26		shale	653	672				
shale	26	149		black shale	672	675				
lime	149	182		shale	675	752				
shale	182	185		coal	752	754				
coal	185	186		shale	754	797				
shale	186	269		coal	797	799				
oswego	269	297		shale	799	825				
summit	297	305		coal	825	827				
lime	305	329		shale	827	840				
mulky	329	336		miss	840	980				
lime	336	341								
shale	341	378								
coal	378	380								
shale	380	391								
wet coal	391	393								
shale	393	415								
coal	415	416								
shale	416	461								
coal	461	463								
shale	463	501								
black shale	501	503								
sand shale	503	520								
shale	520	652								