McPherson Drilling LLC Drillers Log

PO# **AFE# D11032**

Rig Number:	**1**	**S. 12**	**T. 33** **R.17 E**
API No. 15-	**099-24644**	County:	**Labette**
	Elev. 811	Location:	

Operator:	POSTROCK		
Address:	210 Park Ave Ste 2750		
	Oklahoma City, OK 73102-5641		
Well No:	**12-3**	Lease Name:	**WINTER DAVID**
Footage Location:	1,980	ft. from the	SOUTH Line
	660	ft. from the	EAST Line
Drilling Contractor:	**McPherson Drilling LLC**		
Spud date:	5/24/2011	Geologist:	Ken Recoy
Date Completed:	5/25/2011	Total Depth:	1054

Gas Tests:

353	0
400	0
454	0
478	0
510	0
540	0
580	0
650	0
720	0
754	0
840	0
854	SB
910	SB
920	SB
1054	12.5

Comments:
Start injecting @

Casing Record

	Surface	Production
Size Hole:	11"	7 7/8"
Size Casing:	8 5/8"	
Weight:	20#	
Setting Depth:	21	MCP
Type Cement:		
Sacks:		Pump truck

Rig Time:

815'	h2o
DRILLER:	Andy Coats

Well Log

Formation	Top	Btm.	HRS.	Formation	Top	Btm.		Formation	Top	Btm.
soil	0	6		shale	520	533				
sand	6	12		coal	533	536				
shale	12	130		shale	536	544				
lime	130	151		black shale	544	547				
shale	151	160		shale	547	576				
lime	160	171		coal	576	578				
shale	171	184		shale	578	607				
lime	184	187		sand shale	607	611				
shale	187	201		shale	611	639				
sand shale	201	221		coal	639	641				
shale	221	310		shale	641	680				
lime	310	332		sand shale	680	709				
shale	332	338		coal	709	711				
coal	338	340		shale	711	744				
shale	340	414		coal	744	746				
oswego lime	414	444		shale	746	839				
summit	444	450		coal	839	841				
lime	450	470		shale	841	847				
mulky	470	476		coal	847	848				
lime	476	481		shale	848	903				
shale	481	507		coal	903	905				
coal	507	509		shale	905	913				
shale	509	520		miss	913	1054				
coal	520	522								