

Southwinds Energy, LLC Drillers Log

Operator: Quito, Inc.

Address: 1613 W 6th

Bartlesville, OK 74003

Lease	Dearmond
Well No.	M-8
Footage Location	Section 15 T34 R12E
	2470 FSL & 170 FEL
Contractor	Southwinds Energy, LLC
Spud Date	8/28/2013
Date Completed	8/30/2013
Total Depth	1100'

Casing Record	Size Hole Drilled	Size Casing Set	Weight	Setting Depth	Cement
Surface	12.25"	8.625"	20 lbs./ft	42.8'	Portland - 12sx
Production	6.75"	4.5"	9.5 lbs./ft	1097.58'	-

Well Log

Formation	Top	Bottom	Formation	Top	Bottom
Clay	0	15	Shale	832	989
Shale	15	92	Lime	989	1007
Lime	92	109	Sand (odor)	1007	1048
Shale	109	261	Shale	1048	1065
Lime	261	262	Lime	1065	1100
Sand	262	270			
Shale	270	361			
Lime	361	371			
Shale	371	404			
Sand	404	430			
Shale	430	601			
Lime	601	604			
Sand	604	640			
Shale	640	662			
Sand	662	687			
Shale	687	708			
Sand	708	740			
Shale	740	792			
Lime	792	796			
Shale	796	802			
Sand	802	832			