

**Michael Drilling, LLC**  
**P.O. Box 402**  
**Iola, KS 66749**  
**620-496-7795**

Company: Post Rock  
Address: 210 Park Ave. Suite 2750  
Oklahoma City, Oklahoma 73102  
Ordered By: Larry

Date: 01/22/13  
Lease: Francis Grosdidier  
County: Neosho  
Well#: 15-4  
API#: 15-133-27616-00-00

**Drilling Log**

FEET	DESCRIPTION	FEET	DESCRIPTION
0-20	Overburden		
20-88	Shale		
88-106	Lime		
106-180	Shale-Sandy Shale		
180-190	Lime		
190-220	Sandy Lime		
220-275	Sandy Shale		
275-296	Lime		
296-303	Black Shale		
303-307	Lime		
307-313	Shale		
313-330	Sand - Light Oder 323-330 Free oil		
330-417	Shale		
417-421	Lime		
421-424	Black Shale		
424-477	Shale		
477-487	Sand With Oder		
487-562	Shale		
562-563	Lime		
563-690	Shale - Sandy Shale		
690	TD		
	Surface 20'		