

**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:** 02/04/13  
**Lease:** Mccoy  
**County:** Neosho  
**Well#:** 30-4  
**API#:** 15-133-27603-00-00

**Drilling Log**

FEET	DESCRIPTION	FEET	DESCRIPTION
0-7	Clay Soil	277-284	Lime
7-31	Lime	284-295	Sandy SShale
31-35	Shale	295-327	Sandy SShale Shale
35-43	Lime	327-342	Sand
43-49	Shale	342-367	Sandy SShale Shale
49-55	Lime	367-372	Lime
55-66	Water ZSand	372-377	Sandy Shale
66-78	Black Shale Shale	377-388	Sandy Lime
78-80	Lime	388-403	Lime
80-88	Shale	403-404	Coal
88-108	Lime	404-413	Sandy Lime
108-125	Shale	413-419	Black Shale
125-138	Lime	419-436	Shale
138-143	Black Shale	436-440	Sandy Lime
143-157	Sandy Shale Shale	440-456	Shale
157-180	Lime	456-471	Sandy Lime
180-188	Sandy Lime	471-472	Coal
188-206	Shale	472-478	Lime
206-217	Sandy SShale	478-490	Black Shale
217-243	Shale	490-493	Lime
243-246	Sandy Lime	493-500	Coal Black Shale Shale
246-257	Green Shale Sandy Shale	500-564	Sandy Shale
257-266	Sandy Lime	564-567	Lime
266-277	Sandy SShale	567-580	Sandy Shale

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### Drilling Log

FEET	DESCRIPTION	FEET	DESCRIPTION
580-581	Coal		
581-597	Shale		Surface 21'
597-599	Lime		
599-600	Coal		
600-629	Black Shale SandycShale		
629-630	Coal		
630-638	Sandy Shale		
638-639	Coal		
639-643	Shale Dark		
643-652	Sandy Shale		
652-654	Black Shale		
654-658	Black Sand		
658-659	Coal		
659-668	Sandy Shale		
668-672	Sand - Oder Light Show		
672-700	Sandy Shale Shale		
700-701	Coal		
701-744	Sandy Shale		
744-745	Coal		
745-762	Sandy Shale Shale		
762-766	Black Shale		
766-767	Coal		
767-775	Sandy Shale		
775	TD		