

McGown Drilling, Inc.
Mound City, Kansas

Operator:

Energex Kansas, Inc.
Overland Park, KS

Gilchrist BSI-GC 3

Franklin Co., KS
4-18S-21E
API: 059-26469

Spud Date: 8/21/2013
Surface Casing: 7"
Surface Length: 21.80'
Surface Cement: 6 sx

Surface Bit: 9.875"
Drill Bit: 5.875"
Longstring: 660.95'
Longstring Date: 8/23/2013

Driller's Log

Top	Bottom	Formation	Comments
0	8	Soil & Clay	
8	15	Shale	
15	35	Lime	
35	128	Shale	
128	141	Lime	
141	143	Shale	
143	145	Lime	
145	162	Shale	
162	165	Lime	
165	174	Shale	
174	184	Lime	
184	217	Shale	
217	232	Lime	
232	241	Shale	
241	270	Lime	
270	276	Shale	
276	299	Lime	
299	304	Shale	
304	306	Coal	
306	315	Lime	
315	328	Shale	
328	365	Sandy Shale	
365	457	Shale	
457	478	Sandy Shale	
478	497	Lime	
497	545	Shale	
545	554	Lime	
554	562	Shale	

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562	565	Lime	
565	578	Shale	
578	582	Lime	
582	595	Shale	
595	597	Lime	
597	599	Shale	
599	600	Lime	Good oil odor, light oil show
600	602	Lime	Strong odor, good oil show
602	604	Lime	Good oil odor, good show
604	605	Lime	
605	613	Shale	
613	626	Sand	Good odor, laminated, fair oil show
626	628	Sandy Shale	Light oil show, lighter odor
628	630	Shale	
630	660	Shale	
660	663	Coal	
663	688	Shale	
688	690	Sandy Shale	Faint odor, very small oil show
690	TD		