

McGown Drilling, Inc.
Mound City, Kansas

Operator:

McGown Drilling, Inc.
Mound City, KS

Randall I10-11

Linn Co., KS
11-22S-23E
API: 107-24659

Spud Date:	5/29/2013	Surface Bit:	9.875"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	28.10'	Longstring:	540.0'
Surface Cement:	6 sx	Longstring Date:	6/4/2013

Driller's Log

Top	Bottom	Formation	Comments
0	4	Soil	
4	13	Sand & Gravel	
13	32	Sandy shale	
32	44	Lime	
44	97	Shale	
97	98	Coal	
98	103	Shale	
103	155	Lime	
123	129	Shale	
129	132	Lime	
132	138	Shale	
138	145	Sand	
145	148	Sandy shale	
148	175	Shale	
175	194	Lime	
194	247	Shale	
247	254	Sandy shale	
254	288	Shale	
288	289	Coal	
289	308	Shale	
308	309	Coal	
309	366	Shale	
366	368	Lime	
368	371	Shale	
371	372	Coal	
372	415	Shale	

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415	416	Coal
416	461	Shale
461	491	Sand
491	493	Coal
493	552	Shale
552	TD	