



Operator:
McGown Drilling, Inc.
Mound City, KS

Randall I 15-11

Linn Co., KS
11-22S-23E
API: 107-24734

Spud Date:	11/25/2013	Surface Bit:	9.875"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	23.75	Longstring:	505.50'
Surface Cement:	6 sx	Longstring Date:	11/27/2013
Longstring:	2 7/8" EUE - New		

Driller's Log

Top	Bottom	Formation	Comments
0	2	Soil & clay	
2	10	Yellow Clay	
10	12	Gravel	
12	15	Shale	
15	25	Lime	
25	83	Shale	
83	100	Lime	
100	111	Shale	
111	118	Lime	
118	127	Sand	
127	133	Sandy Shale	
133	157	Shale	
157	177	Lime	20'
177	179	Bl. Shale	
179	187	Shale	
187	192	Lime	5'
192	226	Shale	
226	236	Sand	
236	271	Shale	
271	272	Coal	
272	292	Shale	
292	294	Lime	
294	296	Bl. Shale	
296	319	Shale	

319	320	Coal
320	348	Shale
348	351	Lime
351	419	Shale
419	429	Sand & Sand Shale
429	438	Shale
438	439	Coal
439	444	Shale
444	469	Sand
469	471	Coal
471	477	Shale
477	478	Coal
478	522	Shale
522		TD