
McGOWN

DRILLING, INC.

Operator:
Grand Mesa Operating
Wichita, KS

Richards #12-5

Coffey Co., KS
18-22-17E
API: 031-23855

Spud Date:	3/24/2014	Surface Bit:	11"
Surface Casing:	8.625"	Drill Bit:	6.75"
Surface Length:	44.45'	Longstring:	1109.0'
Surface Cement:	8 sx	Longstring Date:	3/28/2014
Longstring:	2 7/8 EUE - used	Seat Nipple:	1007'

Driller's Log

Top	Bottom	Formation	Comments
0	6	Soil	
6	8	Gravel	
8	10	Lime	
10	17	Shale	
17	44	Lime	
44	52	Shale	
52	55	Lime	
55	199	Shale	
199	240	Lime	
240	263	Shale	
263	287	Lime	
287	292	Shale	
292	306	Lime	
306	310	Shale	
310	320	Lime	
320	413	Shale	
413	464	Lime	
464	468	Bl. Shale	
468	473	Lime	
473	531	Shale	
531	590	Lime	
590	596	Bl. Shale	
596	616	Lime	
616	622	Bl. Shale	

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622	627	Lime	
627	633	Shale	
633	641	Lime	
641	797	Shale	
797	799	Coal	
799	818	Shale	
818	830	Lime	
830	839	Sandy Shale	
839	840	Lime	
840	845	Shale	
845	857	Sand	No show
857	870	Sandy Shale	
870	888	Shale	
888	890	Bl. Shale	
890	918	Shale	
918	920	Lime	
920	924	Shale	
924	937	Lime	Shaley
937	940	Lime	
940	960	Lime	Shaley
960	965	Lime	20' Base
965	974	Shale	
974	979	Lime	5'
979	990	Shale	
990	1015	Sandy Shale	Mucky
1015	1020	Sand	Good oil show in core, lighter bleed back
1020	1058	Sand	after washing
1058	1142	Shale	No oil bleed in core or samples past 1020
1142		TD	

Run	Coring Footage	Rec.
1	1010-1030	18'
2		