



Operator:
Kansas Resources Exploration & Development, LLC
Overland Park, KS

Cartwright #KRI-26

Miami Co., KS
23-18S-21E
API: 121-30809

Spud Date:	11/10/2014	Surface Bit:	9.875"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	22.20'	Longstring:	569.45'
Surface Cement:	4 sx	Baffle:	537.65'
Longstring:	2 7/8 EUE - New L/S	Longstring Date:	11/11/2014

Driller's Log

Top	Bottom	Formation	Comments
0	2	Soil	
2	9	Red Clay	
9	16	Lime	
16	30	Shale	
30	48	Lime	
48	87	Shale	
87	100	Lime	
100	139	Shale	
139	148	Shale	
148	173	Lime	
173	178	Shale	
178	181	Lime	
181	182	Shale	
182	192	Lime	
192	335	Shale	
335	336	Lime	
336	355	Shale	
355	361	Lime	
361	374	Shale	
374	386	Sand	Grey
386	417	Shale	
417	422	Lime	
422	450	Shale	

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450	459	Lime	
459	478	Shale	
478	483	Lime	Fair odor at the top
483	488	Shale	
488	503.5	Sand	See below
503.5	512	Sandy Shale	
512	582	Shale	
582		TD	

Coring

Run	Footage	Rec.
1	490-510	20'

Sand Detail

490-492.5	Good sand, good oil saturation
492.5-503	Laminated, spotty oil saturation
503-507	Sandy shale, rainbow on the core
507-512	Sandy shale, no oil saturation, no rainbow