
McGOWN

DRILLING, INC.

Operator:
 Black Travis, Inc.
 Paola, KS

Black #KR-17

Miami Co., KS
 10-17S-22E
 API: 121-30781

Spud Date:	10/31/2014	Surface Bit:	9.875"
Surface Casing:	7.0"	Drill Bit:	5.875"
Surface Length:	22.40'	Longstring:	675.7'
Surface Cement:	4 sx	Baffle:	647.35'
Longstring:	2 7/8 EUE - New L/S	Longstring Date:	11/4/2014

Driller's Log

Top	Bottom	Formation	Comments
0	10	Soil & clay	
10	79	Shale	
79	95	Lime	
95	125	Sandy Shale	
125	131	Shale	
131	136	Lime	
136	174	Shale	
174	188	Lime	
188	198	Shale	
198	228	Lime	
228	232	Bl. Shale	
232	254	Lime	
254	260	Shale	
260	271	Lime	
271	276	Shale	Limey
276	407	Shale	
407	408	Red Bed	
408	433	Sand	Limey; see below
433	435	Sand	White; see below
435	443	Shale	
443	448	Lime	
448	498	Shale	
498	501	Lime	

Black #KR 17
Miami Co., KS

501	518	Shale	
518	521	Lime	Good odor, fair bleed to the pit
521	537	Shale	
537	540	Shale	Limey
540	552	Shale	
552	557	Lime	
557	582	Shale	
582	617.5	Sand	See below
617.5	632	Shale	
632	633	Lime	
633	665	Sandy Shale	
665	670	Lime	
670	692	Shale	
692		TD	

Coring

Run	Footage	Rec.
1	412-432	20'
2	588-608	20'
3	608-628	19'

Wayside Sand Detail

412-415	Sand, lightly saturated, light bleed
415-418.5	Fair to good saturation and bleed
418.5-429	Laminated, mostly shale, spotty oil show in bottom 3'
429-433	Fair oil show, fair bleed

Squirrel Sand Detail

588-597	Light brown sand, no oil, looks to be washed clean
597-601.5	Shale
601.5-608	Laminated sand, light saturation, light to fair bleed
608-610	Sand, no oil saturation, washed out
610-613.5	Sand, good saturation and bleed
613.5-617	Sand, spotty bleeding