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# McGOWN

## DRILLING, INC.

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**Operator:**  
 Black Travis, Inc.  
 Paola, KS

### Travis #KR-50

Miami Co., KS  
 10-17S-22E  
 API: 121-30777

<b>Spud Date:</b>	10/23/2014	<b>Surface Bit:</b>	9.875"
<b>Surface Casing:</b>	7.0"	<b>Drill Bit:</b>	5.875"
<b>Surface Length:</b>	22.45'	<b>Longstring:</b>	684.20'
<b>Surface Cement:</b>	4 sx	<b>Baffle:</b>	652.65'
<b>Longstring:</b>	2 7/8 EUE - New L/S	<b>Longstring Date:</b>	10/27/2014

### Driller's Log

Top	Bottom	Formation	Comments
0	15	Soil & clay	
15	69	Shale	
69	89	Lime	
89	103	Sandy Shale	
103	119	Shale	
119	123	Lime	
123	160	Shale	
160	177	Lime	
177	187	Shale	
187	214	Lime	
214	221	Shale	
221	243	Lime	
243	248	Bl. Shale	
248	259	Lime	
259	284	Shale	
284	294	Sand	Grey, no odor
294	298	Sandy Shale	
298	395	Shale	
395	397	Red Bed	
397	426	Sand	See below
426	432	Shale	
432	447	Lime	
447	489	Shale	

Travis #KR 50  
Miami Co., KS

489	490	Coal	
490	492	Lime	
492	510	Shale	
510	514	Lime	
514	529	Shale	
529	537	Lime	
537	550	Shale	
550	556	Lime	
556	580	Shale	
580	627.5	Sand	See below
627.5	661	Shale	
661	663	Coal	
663	675	Shale	
675	677	Lime	
677	680	Bl. Shale	
680	702	Sandy Shale	
<b>702</b>		<b>TD</b>	

<b>Coring</b>		
<b>Run</b>	<b>Footage</b>	<b>Rec.</b>
1	582-602	20'
2	602-622	20'
3	622-642	20'

#### **Wayside Sand Detail**

397-417 Light brown sand, soft, no free oil  
417-422 Light bleed to pit, good odor, good porous sand  
422-426 Good oil show, good bleed to pit, good sand

#### **Squirrel Sand Detail**

582-589.5 Laminated sand, mostly shale, slight bleed back, mostly spotty  
589.5-590 Good sand, fair oil show  
590.5-617 Laminated, mostly shale, spotty bleed back  
617-627.5 Good sand, good oil show throughout, good bleed back