

McGown Drilling, Inc.

Mound City, Kansas

Operator:

Jackson & Johnson Oil, LLC
Kansas City, MO

Milleret #1

Leavenworth Co., KS
24-12S-20E
API # 103-21357

Spud Date: 3/26/2012

Surface Casing: 7"

Surface Length: 83'

Surface Cement: Cemented by Consolidated

Surface Bit: 11"

Drill Bit: 5.875"

Longstring: 820.25'

Longstring Date: 3/28/2012

Longstring Size: 2 7/8 EUE

Driller's Log

Top	Bottom	Formation	Comments
0	2	Soil	
2	34	Clay	
34	65	Sand & Gravel	
65	122	Shale	
122	140	Lime	
140	148	Shale	
148	155	Lime	
155	175	Shale	
175	182	Lime	
182	215	Shale	
215	273	Lime	
273	302	Shale	
302	313	Lime	
313	329	Shale	
329	338	Lime	
338	352	Shale	
352	462	Lime	
462	650	Big Shale	
650	660	Lime	
660	669	Shale	
669	674	Lime	
674	695	Shale	
695	702	Lime	
702	720	Shale	
720	744	Sand	Broken in places, fairly good oil show

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744	776	Shale	Oil show
776	789	Sand	Grey, laminated
789	814	Sand	Grey, light oil show; best 734-44
814	816	Shale	
816	818	Lime	
818	904	Shale	
904	910	Sand	Grey
910	1002	Shale	
1002	TD		

Coring

Run	Footage	Recovery
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Mixed 30 sacks of gel to set surface - 3 hours
Circulated hole clean and ran longstring - 2 hours