

McGown Drilling, Inc.
Mound City, Kansas

Operator:

N & W Enterprises, Inc.
Fort Scott, KS

Franklin #4 Inj.

Crawford Co., KS
29-28S-22E
API: 15-037-22249

Spud Date: 10/8/2013
Surface Casing: 7" 8"
Surface Length: 20.0'
Surface Cement: 5 sx

Surface Bit: 11"
Drill Bit: 5.875"
Longstring: 424.85'
Longstring Date: 10/9/2013

Driller's Log

Top	Bottom	Formation	Comments
0	6	Soil	
6	75	Shale	
75	123	Lime	
123	155	Bl. Shale & Shale	
155	187	Sand	Grey
187	188	Coal	
188	195	Shale	
195	213	Lime	20'
213	222	Shale	
222	227	Lime	5'
227	237	Shale	
237	240	Sand	Light bleed, laminated, light odor
240	250	Sandy Shale	
250	333	Shale	
333	334	Coal	
334	374	Shale	
374	378	Sand	Grey
378	397	Shale	
397	404	Sand	Good oil show, good odor
404	406	Sand	Lighter bleed, laminated
406	415	Sand	Good oil show, best
415	419	Sand	Lighter bleed, good odor
419	430	Shale	
430	TD		