

McGown Drilling, Inc.
Mound City, Kansas

Operator:

N & W Enterprises, Inc.
Fort Scott, KS

Giefer #16 Inj.

Crawford Co., KS
34-28S-22E
API: 15-037-22226

Spud Date: 10/2/2013
Surface Casing: 7"
Surface Length: 20.0'
Surface Cement: 5 sx

Surface Bit: 11"
Drill Bit: 5.875"
Longstring: 424.40'
Longstring Date: 10/3/2013

Driller's Log

Top	Bottom	Formation	Comments
0	8	Soil	
8	20	Lime	
20	74	Shale	
74	79	Lime	
79	82	Bl. Shale	
82	115	Lime	
115	118	Bl. Shale	
118	157	Shale	
157	182	Sandy Shale	
182	202	Lime	20'
202	210	Bl. Shale	
210	217	Lime	5'
217	314	Shale	
314	318	Bl. Shale	
318	334	Shale	
334	380	Sandy Shale	
380	393	Sand	Very good oil show, heavy bleed
393	430	Shale	
430	TD		