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# McGOWN

DRILLING, INC.

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**Operator:**  
N&W Enterprises, Inc.  
Fort Scott, KS

**Giefer #21 Inj.**  
Crawford Co., KS  
34-28S-22E  
API: 037-22266

**Spud Date:** 3/28/2014  
**Surface Casing:** 7.0"  
**Surface Length:** 20'  
**Surface Cement:** 4 sx  
**Longstring:** 2.875" EUE

**Surface Bit:** 9.875"  
**Drill Bit:** 5.875"  
**Longstring:** 410.90'  
**Longstring Date:** 3/31/2014

### Driller's Log

Top	Bottom	Formation	Comments
0	2	Soil	
2	6	Clay	
6	13	Sandstone	
13	72	Shale	
72	76	Lime	
76	80	Shale	
80	115	Lime	
115	139	Shale	
139	142	Sandy Shale	
142	160	Shale	
160	166	Sand	Grey, hard
166	182	Shale	
182	201.5	Lime	20'
201.5	209	Shale	
209	214	Lime	5'
214	216	Dk. Shale	
216	317	Shale	
317	319	Lime	Dark
319	382	Shale	
382	394	Sand	Good oil show
394	415	Shale	
<b>415</b>		<b>TD</b>	

**Kepley Well Service, LLC**

19245 Ford Road  
Chanute, KS 66720

Date	Invoice #
4/2/2014	49531

## Cement Treatment Report

N & W Enterprise Inc.  
1111 S. Margrave  
Fort Scott, KS 66701

(x) Landed Plug on Bottom at 800 PSI  
 () Shut in Pressure psi  
 (x) Good Cement Returns  
 () Topped off well with \_\_\_\_\_ sacks  
 (x) Set float shoe

TYPE OF TREATMENT: Production Casing  
 HOLE SIZE: 5 5/8"  
 TOTAL DEPTH: 414

Well Name	Terms	Due Date		
	Net 15 days	4/2/2014		
Service or Product	Qty	Per Foot Pricing/Unit Pricing	Amount	
Run and cement 2 7/8"	411	3.00	1,233.00	
Sales Tax		7.15%	0.00	

4-1-14  
 Geifer #21  
 Crawford County  
 Section: 34  
 Township: 28  
 Range: 22

Hooked onto 2 7/8" casing. Established circulation with .5 barrels of water, GEL, METSO, COTTONSEED ahead, blended 72 sacks of straight cement, dropped rubber plug, and pumped 2.4 barrels of water

<b>Total</b>	<b>\$1,233.00</b>
<b>Payments/Credits</b>	<b>\$0.00</b>
<b>Balance Due</b>	<b>\$1,233.00</b>