



Fueling American
 Recovery

Oil and Gas Well Drilling

3137 Virginia Rd, Wellsville KS 66092

Owners: Clay Hughes
 Isaac Burbank

Phone: (785) 979-9493
 (913) 963-9127

Fax: (785) 883-2305

Well Log

Sandstone Resources
 Richards #1-1
 Sec. 12 Twp. 17 Rng. 20
 Franklin County
 FSL: 4280 FEL: 2620
 API: 15-091-27051
 Start: 07/30/15
 End: 07/31/15

<u>Thickness of Strata</u>	<u>Formation</u>	<u>Total</u>	
4	Soil & Clay	4	
2	Sandstone	6	
1	Lime	7	
20	Shale	27	
36	Lime	63	
61	Shale	124	
20	Lime	144	
27	Shale	171	
5	Lime	176	
34	Shale	210	
9	Lime	219	
4	Shale	223	
2	Lime	225	
15	Shale	240	
12	Lime	252	
1	Shale	253	
12	Lime	265	
6	Shale	271	
25	Lime	296	
3	Shale	299	
4	Lime	303	
2	Shale	305	
6	Lime	311	Base of the Kansas City / Hertha
33	Shale	344	
1	Broken sand	345	Grey sand & shale
2	Silty Shale	347	
81	Shale	428	
5	Sand	433	Grey, no oil, no gas
56	Shale	489	
14	Lime	503	
8	Shale	511	
7	Lime	518	

Drilled an 11" hole to 23'
Drilled a 5 5/8" hole to 650'

07/30/15 set 23' of 7" surface casing, cemented with 8 sacks of cement.

07/30/15 Cored 1st Squirrel zone.

07/31/15 set 636' of 2 7/8" 8 round upset tubing including 3 centralizers, 1 clamp,
1 float-shoe, and baffle.
Baffle set at 606'.

Best Perforation Zone: 570'-577' and 579'-580' (C.C.H. & I.R.B.)



CONSOLIDATED
Oil Well Services, LLC

TICKET NUMBER 47371
LOCATION Ottawa, KS
FOREMAN Jim Green

3748
5601

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
07-31-15	9999	Richards # I-1	12	17	20	FR
CUSTOMER			TRUCK #	DRIVER	TRUCK #	DRIVER
Sandsone			669	Jim Grc		
MAILING ADDRESS			467	Ken Car		
3131 Virginia Rd.			558	Troy Mor		
CITY	STATE	ZIP CODE	HEB	Water	Customer	Supply
Wellsuite	Ks	66062				
JOB TYPE	HOLE SIZE	HOLE DEPTH	CASING SIZE & WEIGHT			
Long stop	5 7/8"	650'	2 1/2"			
CASING DEPTH	DRILL PIPE	TUBING	OTHER			
1636	Ball 606'					
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT IN CASING			
DISPLACEMENT	DISPLACEMENT PSI	MIX PSI	RATE			
3.5			4 BPM			

REMARKS: Held crew meeting. Established pump rates. Mix and pump 100# Gel to flush hole. Mix and pump 85 sk 5% 102 mix cement with 2% gel & 1/4" F10-Seal. Circulated cement to surface. Flush pump clear of cement. Pump 2 1/2" rubber plug to total depth of casing. Pressure up to 800 # PSI. Well held 800 # PSI for 30 min MIT. Set show.

Jim Green 30 min MIT

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	One	PUMP CHARGE	467	1500.00
CE0002	15	MILEAGE		107.25
CE0711	Min	Ton Mileage		660.00
		Customer supply H2O		
		Equipment		2267.25
		Sub-40%		906.92
				1360.35
CC5840	85 sk	102 Blend I-A		1147.50
CC5965	243 #	Premium Gel		72.90
CC6075	21 #	F10-Seal (Cellofloc)		420.00
CP8176	One	2 1/2" Rubber Plug		75.00
		Material sub		1337.40
		Less - 40%		534.96
				802.44
		8th	SALES TAX	64.20
			ESTIMATED TOTAL	2228.94

Rev 3737

AUTHORIZATION Chay TITLE _____ DATE 371164

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records, at our office, and conditions of service on the back of this form are in effect for services identified on this form.