



**CONSOLIDATED**  
Oil Well Services, LLC

267112

TICKET NUMBER 42760

LOCATION Attawa, KS

FOREMAN Casey Kennedy

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
4/1/14	7841	Nuckolls # 2	NE 2	16	21	M1
CUSTOMER TDR Construction			TRUCK # DRIVER TRUCK # DRIVER			
MAILING ADDRESS 1207 N 1st St			729	Carlen	✓	Safety Meeting
CITY STATE ZIP CODE Louisburg KS 66053			666	Garmon	✓	
			578	Mikhaa	✓	
			675	Joe Ric	✓	

JOB TYPE longstring HOLE SIZE 5 5/8" HOLE DEPTH 780' CASING SIZE & WEIGHT 2 7/8" EUE  
 CASING DEPTH 769' DRILL PIPE \_\_\_\_\_ TUBING baffle - 737' OTHER \_\_\_\_\_  
 SLURRY WEIGHT \_\_\_\_\_ SLURRY VOL \_\_\_\_\_ WATER gal/sk \_\_\_\_\_ CEMENT LEFT in CASING 30'  
 DISPLACEMENT 4.27 bbls DISPLACEMENT PSI \_\_\_\_\_ MIX PSI \_\_\_\_\_ RATE 5 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 200 # Premium Gel followed by 10 bbls fresh water, mixed & pumped 122 sks 5% Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 4.27 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

*[Handwritten signature]*

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		1085.00 ✓
5406	20 mi	MILEAGE		84.00 ✓
5402	769'	casing footage		368.00 ✓
5407	minimum	van mileage		200.00 ✓
5502C	2 hrs	80 Vac		
1124	122 sks	5% Pozmix cement	1403.00 ✓	
1118B	405 #	Premium Gel	89.10 ✓	
		materials - 30%	1492.10 ✓	
		subtotal	447.63	1044.47 ✓
4402	1	2 1/2" rubber plug		29.50 ✓
			3375.01	
			7.65%	82.17 ✓
			ESTIMATED TOTAL	2893.14 ✓

**Completed**

AUTHORIZATION No Co. Rep. on location TITLE \_\_\_\_\_ DATE \_\_\_\_\_

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.

Miami County, KS  
Well: Nuckolls 2  
Lease Owner: TDR

Town Oilfield Service, Inc.  
(913) 837-8400

Commenced Spudding:  
3/31/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-7	Soil-Clay	7
11	Lime	18
7	Shale	25
10	Lime	35
6	Shale	41
16	Lime	57
33	Shale	90
23	Lime	113
20	Shale	133
2	Lime	135
57	Shale	192
22	Lime	214
28	Shale	242
5	Lime	247
41	Shale	288
2	Lime	290
13	Shale	303
6	Lime	309
1	Shale	310
15	Lime	325
9	Shale	334
22	Lime	356
5	Shale	361
3	Lime	364
4	Shale	368
6	Lime	374
28	Shale	402
10	Sandy Shale	412
70	Shale	482
11	Sandy Shale	493
38	Shale	531
8	Sand	539
8	Lime	547
33	Shale	580
8	Lime	588
13	Shale	601
3	Lime	604
11	Shale	613
6	Lime	619
4	Shale	623



# Short Cuts

## TANK CAPACITY

BBLs. (42 gal.) equals  $D^2 \times .14 \times h$

D equals diameter in feet.

h equals height in feet.

## BARRELS PER DAY

Multiply gals. per minute x 34.2

HP equals  $BPH \times PSI \times .0004$

BPH - barrels per hour

PSI - pounds square inch

## TO FIGURE PUMP DRIVES

\* D - Diameter of Pump Sheave

\* d - Diameter of Engine Sheave

SPM - Strokes per minute

RPM - Engine Speed

R - Gear Box Ratio

\*C - Shaft Center Distance

D -  $RPM \times d$  over  $SPM \times R$

d -  $SPM \times R \times D$  over RPM

SPM -  $RPM \times D$  over  $R \times d$

R -  $RPM \times D$  over  $SPM \times d$

BELT LENGTH -  $2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$

\* Need these to figure belt length

TO FIGURE AMPS:  $\frac{WATTS}{VOLTS} = AMPS$

746 WATTS equal 1 HP

# Log Book

Well No. 2

Farm Nuckolls

KS  
(State)

Miami  
(County)

2  
(Section)

16  
(Township)

21  
(Range)

For TDR  
(Well Owner)

## Town Oilfield Services, Inc.

1207 N. 1st East  
Louisburg, KS 66053  
913-710-5400



Thickness of Strata	Formation	Total Depth	Remarks
0-7	Soil Clay	7	
11	Lime	18	
7	Shale	25	
10	Lime	35	
6	Shale	41	
16	Lime	57	
33	Shale	90	
23	Lime	113	
20	Shale	133	
2	Lime	135	
57	Shale	192	
22	Lime	214	
28	Shale	242	
5	Lime	247	
41	Shale	288	
2	Lime	290	
13	Shale	303	
6	Lime	309	
1	Shale	310	
15	Lime	325	
9	Shale	334	
22	Lime	356	
5	Shale	361	
3	Lime	364	
4	Shale	368	
6	Lime	374	
28	Shale	402	Hertha

402

Thickness of Strata	Formation	Total Depth	Remarks
10	Sandy shale	412	No Oil
70	Shale	482	
11	Sandy Shale	493	No Oil
38	Shale	531	
8	Sand	539	No Oil
8	Lime	547	
33	Shale	580	
8	Lime	588	
13	Shale	601	
3	Lime	604	
11	Shale	613	
6	Lime	619	
4	Shale	623	
3	Lime	626	
35	Shale	651	
1	Lime	652	
5	Shale	657	
5	Sand	662	No Oil
9	Sand	671	
4	Sand	675	Solid Broken
11	Sandy Shale	686	
94	Shale	780	TD