



**CONSOLIDATED**  
Oil Well Services, LLC

3 Box 884, Chanute, KS 66720  
20-431-9210 or 800-467-8676

267059

TICKET NUMBER 42756  
LOCATION Okawa ks  
FOREMAN Casey Kennedy

**FIELD TICKET & TREATMENT REPORT**  
**CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3/28/14	7841	Nuckolls # 1	NE 2	16	21	MI
CUSTOMER TDR Construction			TRUCK #			
MAILING ADDRESS 1207 N. 1st St.			DRIVER			
CITY Louisburg		STATE KS	ZIP CODE 660053	TRUCK #		
JOB TYPE <u>longstring</u>			DRIVER			
HOLE SIZE <u>5 5/8"</u>			TRUCK #			
HOLE DEPTH <u>780'</u>			DRIVER			
CASING DEPTH <u>760'</u>			TRUCK #			
DRILL PIPE			DRIVER			
SLURRY WEIGHT			TRUCK #			
SLURRY VOL			DRIVER			
WATER gal/sk			TRUCK #			
CEMENT LEFT in CASING <u>31'</u>			DRIVER			
DISPLACEMENT <u>4.22 bbls</u>			TRUCK #			
DISPLACEMENT PSI			DRIVER			
MIX PSI			TRUCK #			
RATE <u>5 bpm</u>			DRIVER			

REMARKS: held safely using, established circulation, mixed & pumped 1/2 gal Polymer, circulated well for 1 hr to condition hole, mixed & pumped 200# Premium Gel followed by 10 bbls fresh water, mixed & pumped 118 sks 50/50 Pozmix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2 rubber plug to baffle w/ 4.22 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	760'	casing footage		— ✓
5407	minimum	ton mileage		368.00 ✓
5502c	2 hrs	80 Vac		200.00 ✓
1124	118 sks	50/50 Pozmix cement	1357.00 ✓	
1118B	398 #	Premium Gel	87.56 ✓	
		materials	1444.56	
		- 30%	433.37 ✓	
		Subtotal		1011.19 ✓
4402	1	2 1/2" rubber plug		29.50 ✓
1401	1/2 gal	Poly mer		23.63 ✓
		<input checked="" type="checkbox"/> completed	3349.27	
		7.65%	SALES TAX	81.43 ✓
			ESTIMATED	
			TOTAL	2882.75 ✓

Form 3737

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 1  
Lease Owner:TDR

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

Commenced Spudding:  
03/27/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-5	soil/clay	5
14	lime	19
5	shale	24
11	lime	35
5	sand	40
17	lime	57
33	shale	90
21	lime	111
80	shale	191
21	lime	212
28	shale	240
5	lime	245
40	shale	285
2	lime	287
13	shale	300
11	lime	311
3	shale	314
14	lime	328
8	shale	336
23	lime	359
4	shale	363
4	lime	367
4	shale	371
6	lime	377
28	shale	405
10	laminated sand	415
70	shale	485
12	sand	497
37	shale	534
8	sand	542
3	shale	545
4	lime	549
33	shale	582
8	lime	590
15	shale	605
3	lime	608
17	shale	625
4	lime	629
24	shale	653
2	lime	655



# 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. 1

Farm Nuckolls

KS  
(State)

Miami  
(County)

2  
(Section)

16  
(Township)

21  
(Range)

For TDR Construction  
(Well Owner)

## Town Oilfield Services, Inc.

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



Thickness of Strata	Formation	Total Depth	Remarks
0-5	Soil-clay	5	
14	Lime	19	
5	Shale	24	
11	Lime	35	
5	sand	40	no oil
17	Lime	57	
33	Shale	90	redbed
21	Lime	111	
80	Shale	191	
21	Lime	212	
28	Shale	240	
5	Lime	245	
40	Shale	285	
2	Lime	287	
13	Shale	300	
11	Lime	311	
3	Shale	314	
14	Lime	328	
8	Shale	336	
23	Lime	359	
4	Shale	363	
4	Lime	367	
4	Shale	371	
6	Lime	377	Hertha
28	Shale	405	
10	laminated sand	415	Shale - no oil
70	Shale	485	

