



CONSOLIDATED
Oil Well Services, LLC

267058

TICKET NUMBER 42755

LOCATION Ottawa, KS

FOREMAN Casey Kennedy

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

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
3/27/14	7841	Nuckolls #3	NE 2	16	21	MI

CUSTOMER <u>TDR Construction</u>		
MAILING ADDRESS <u>1207 N. 1st St</u>		
CITY <u>Louisburg</u>	STATE <u>KS</u>	ZIP CODE <u>66053</u>

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Cas Ken	✓ Safety Meeting	
666	Gar Moo	✓	
503	Kei Car	✓	
570	Jas Ric	✓	

JOB TYPE <u>longstring</u>	HOLE SIZE <u>5 5/8"</u>	HOLE DEPTH <u>780'</u>	CASING SIZE & WEIGHT <u>27 1/2" EVE</u>
CASING DEPTH <u>763'</u>	DRILL PIPE	TUBING <u>baffle - 732'</u>	OTHER
SLURRY WEIGHT	SLURRY VOL	WATER gal/sk	CEMENT LEFT in CASING <u>31'</u>
DISPLACEMENT <u>4.24 bbls</u>	DISPLACEMENT PSI	MIX PSI	RATE <u>5 bpm</u>

REMARKS: held safety meeting, established circulation, mixed & pumped 1/2 gal Polymer, circulated well for 1hr to condition hole, mixed & pumped 200# Premium Gel followed by 10 bbls fresh water, mixed & pumped 123 sts 50/50 Panmix cement w/ 2% gel per st, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 4.24 bbls fresh water, pressured to 500 PSI, released pressure, shut in casing.

BTG

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 ✓
5902	763'	casing footage		— ✓
5407	minimum	tan mileage		368.00 ✓
5502C	3 hrs	80 vac		300.00 ✓
1124	123 sts	50/50 Panmix cement	1414.50 ✓	
1118B	407 #	Premium Gel	89.54 ✓	
		materials - 30%	1504.04	
		subtotal	451.21 ✓	
4402	1	2 1/2" rubber plug		1052.83 ✓
1401	1/2 gal	Polymer		29.50 ✓
				23.63 ✓
		<input checked="" type="checkbox"/> completed	3513.30	
		7.65%	SALES TAX	84.61 ✓
			ESTIMATED TOTAL	3027.57 ✓

Ravin 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 3
Lease Owner:TDR Const.

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

Commenced Spudding:
03/26/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-10	soil/clay	10
20	lime	30
7	shale	37
11	lime	48
5	shale	53
17	lime	70
13	shale	83
20	sand	103
19	lime	122
82	shale	204
21	lime	225
29	shale	254
5	lime	259
41	shale	300
2	lime	302
4	shale	306
18	lime	324
3	shale	327
14	lime	341
9	shale	350
23	lime	373
4	shale	377
4	lime	381
3	shale	384
6	lime	390
109	shale	499
12	sand	511
45	shale	556
8	lime	564
30	shale	594
9	lime	603
14	shale	617
4	lime	621
17	shale	638
5	lime	643
23	shale	666
2	lime	668
5	shale	673
4	sand	677
9	sand	686

Short Cuts

TANK CAPACITY

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

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. 3

Farm Nuckolls

KS Miami
(State) (County)

2 16 21
(Section) (Township) (Range)

For TDR Construction
(Well Owner)

Town Oilfield Services, Inc.

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

Nuckolls Farm: Miami County
KS State: Well No. 3
Elevation 998

Commenced Spuding March 26, 2014
Finished Drilling March 27, 2014
Driller's Name Wesley Dollard

Driller's Name _____
Driller's Name _____
Tool Dresser's Name Greg Perry
Tool Dresser's Name Ryan Ward
Tool Dresser's Name Stephen Scott
Contractor's Name TOS
2 16 21

(Section) (Township) (Range)
Distance from S line, 4785 ft.
Distance from E line, 495 ft.

5 sacks
7 hrs

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
8" Set _____ 8" Pulled _____
7 1/2" Set 21 6 1/4" Pulled _____
4" Set _____ 4" Pulled _____
2" Set _____ 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
731.	78	Baffle			
766.66		Float			
					2 7/8

Thickness of Strata	Formation	Total Depth	Remarks
0-10	soil-clay	10	
20	Lime	30	
7	Shale	37	
11	Lime	48	
5	Shale	53	
17	Lime	70	
13	Shale	83	shells
20	sand	103	redbed
19	Lime	122	grey - no oil
82	Shale	204	
21	Lime	225	
29	Shale	254	
5	Lime	259	
41	Shale	300	
2	Lime	302	
4	Shale	306	
18	Lime	324	
3	Shale	327	
14	Lime	341	
9	Shale	350	
23	Lime	373	
4	Shale	377	
4	Lime	381	
3	shale	384	
6	Lime	390	
109	shale	499	Heitha
12	sand	511	no oil

511

Thickness of Strata	Formation	Total Depth	Remarks
45	Shale	556	
8	Lime	564	
30	Shale	594	
9	Lime	603	
14	Shale	617	
4	Lime	621	
17	Shale	638	
5	Lime	643	
23	Shale	666	
2	Lime	668	
5	Shale	673	
4	sand	677	no Oil
9	sand	686	mostly solid - good saturation
3	sand	689	broken - good Oil
2	sand	691	no Oil
89	sandy shale	780	TD