



CONSOLIDATED
Oil Well Services, LLC

267057

TICKET NUMBER 42752

LOCATION Ottawa, KS

FOREMAN Casey Kennedy

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
3/26/14	7841	Nuckolls # 4	NE 2	16	21	MI

CUSTOMER
TDR Construction

MAILING ADDRESS
1207 N 1st

CITY
Louisburg

STATE
KS

ZIP CODE
66053

TRUCK #	DRIVER	TRUCK #	DRIVER
729	Garren	✓ Safety Meeting	
6660	Gar Mao	✓	
578	Mikhaa	✓	
370	Kei Car	✓	

JOB TYPE long string HOLE SIZE 5 5/8" HOLE DEPTH 780' CASING SIZE & WEIGHT 2 7/8" EUE

CASING DEPTH 763' DRILL PIPE _____ TUBING baffle - 732' OTHER _____

SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 31'

DISPLACEMENT 4.24 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 118 sks 5/50 Pozumix cement w/ 2% gel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to baffle w/ 4.24 bbls fresh water, pressured to 800 PSI, released pressure, shut in casing.

PK

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE		
5406	20 mi	MILEAGE		1085.00 ✓
5402	763'	casing footage		84.00 ✓
5407	minimum	fuel mileage		368.00 ✓
5502C	2 hrs	80 Vac		200.00 ✓
1124	118 sks	5/50 Pozumix cement	1357.00 ✓	
1118 B	398 #	Premium Gel	87.56 ✓	
		materials	1444.56	
		- 30%	433.37 ✓	
		subtotal		1011.19 ✓
4402	1	2 1/2" rubber plug		29.50 ✓
		completed	3323.83	
		7.65%		79.62 ✓
		SALES TAX		79.62 ✓
		ESTIMATED TOTAL		2857.31 ✓

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 for

Miami County, KS
Well: Nuckolls #4
Lease Owner: TDR

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

Commenced Spudding:
3/25/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-8	Soil-Clay	8
22	Lime	30
7	Shale	37
11	Lime	48
5	Shale	53
20	Lime	73
10	Shale	83
12	Sand	95
9	Shale	104
20	Lime	124
79	Shale	203
22	Lime	225
29	Shale	254
5	Lime	259
42	Shale	301
2	Lime	303
8	Shale	311
10	Lime	321
4	Shale	325
13	Lime	338
9	Shale	347
22	Lime	369
5	Shale	374
3	Lime	377
4	Shale	381
7	Lime	388
28	Shale	416
10	Sandy Shale	426
72	Shale	498
8	Sand	506
34	Shale	540
12	Sand	552
7	Lime	559
33	Shale	592
8	Lime	600
14	Shale	614
3	Lime	617
21	Shale	638
1	Lime	639
24	Shale	663

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 x PSI x .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. 4

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
0-8	soil - clay	8	
22	Lime	30	
7	Shale	37	
11	Lime	48	
5	shale	53	
20	Lime	73	
10	shale	83	shells
12	sand	95	
9	shale	104	no Di
20	Lime	124	
79	Shale	203	
22	Lime	225	
29	Shale	254	
5	Lime	259	
42	Shale	301	
2	Lime	303	
8	Shale	311	
10	Lime	321	
4	Shale	325	
13	Lime	338	
9	Shale	347	
22	Lime	369	
5	Shale	374	
3	Lime	377	
4	Shale	381	
7	Lime	388	
28	Shale	416	Hertha

416

Thickness of Strata	Formation	Total Depth	Remarks
10	Sandy shale	426	
72	Shale	498	
8	Sand & sandy shale	506	
34	shale	540	no oil
12	sand	552	
7	Lime	559	no oil
33	Shale	592	
8	Lime	600	
14	Shale	614	
3	Lime	617	
21	Shale	638	
1	Lime	639	
24	Shale	663	
1	Lime	664	
7	shale	671	
1	sand	672	
1	sand & Lime	673	no oil
1	sand	674	no oil
2	sand	676	broken
2	sand	678	solid
1	sand	679	black - dead oil
2	sand	681	per F
3	sand	684	broken solid
96	Sandy shale	780	broken TD