



CONSOLIDATED
Oil Well Services, LLC

268113

TICKET NUMBER 47187

LOCATION Ottawa KS

FOREMAN Fred Maden

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
5-9-14	7841	Mo Coy # 5	NE 32	15	21	FR

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
TDR Construction	712	Fred Mad		
	495	Har Bek		
	675	Kei Det		
	510	Jas Ric		

CUSTOMER	MILING ADDRESS	CITY	STATE	ZIP CODE
TDR Construction	1207 N. 1st St.	Louisburg	KS	

JOB TYPE Long string HOLE SIZE 5 7/8 HOLE DEPTH 860 CASING SIZE & WEIGHT 2 7/8 EUE
 CASING DEPTH 815 DRILL PIPE Baffle tubing @ 783 OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 37' + Plug
 DISPLACEMENT 4.55 BBL DISPLACEMENT PSI _____ MIX PSI _____ RATE 5 BPM

REMARKS: Hold crew safety meeting. Establish pump rate. Mix + Pump 100# Gel Flush. Mix + Pump 110 sks 50/50 Poz mix Cement 270 gal - Cement to surface. Flush pump + lines clean. Displace 2 1/2" Rubber plug to Baffle in casing. Pressure to 800# PSI. Release pressure to set float valve shift in casing.

TOS Drilling - Greg Perry

Fred Maden

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	475	1085 ⁰⁰
5406	20 mi	MILEAGE	195	84 ⁰⁰
5402	815	Casing footage		N/C
5407	Minimum	Ten Miles	510	368 ⁰⁰
5502R	1 1/2 hrs	60 BBL Vac Truck	675	150 ⁰⁰
1124	110 SKS	50/50 Poz Mix Cement	1265 ⁰⁰	
1116B	285 [#]	Premium Gel	627 ⁰⁰	
		Material	1327 ²⁰	
		Less 30%	- 398 ²¹	
		Total		929 ³⁹
4402	1	2 1/2" Rubber Plug		295 ⁰⁰
				3148.03
		7.65%	SALES TAX	73 ³⁶
			ESTIMATED TOTAL	2219 ²⁵

completed

AUTHORIZATION [Signature]

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

Franklin County, KS
Well: McCoy 5
Lease Owner:TDR

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

Commenced Spudding:
05/08/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
00-45	soil-clay	45
30	shale	75
5	lime	80
2	shale	82
17	lime	99
7	shale	106
10	lime	116
6	shale	122
19	lime	141
639	shale	180
23	lime	203
71	shale	274
23	lime	297
23	shale	320
6	lime	326
43	shale	369
1	lime	370
16	shale	386
9	lime	395
2	shale	397
8	lime	405
1	shale	406
4	lime	410
10	shale	420
21	lime	441
4	shale	445
3	lime	448
5	shale	453
5	lime	458
52	shale	506
12	sandy shale	518
65	shale	583
5	sand	588
49	shale	637
6	lime	643
20	shale	663
6	lime	669
14	shale	683
3	lime	686
15	shale	701

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times .14xh$
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. 5

Farm McCoy

KS Franklin
(State) (County)

32 15 21
(Section) (Township) (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
0-45	Soil-Clay	45	
30	Shale	75	
5	Lime	80	
2	Shale	82	
17	Lime	99	
7	Shale	106	
10	Lime	116	
6	Shale	122	
19	Lime	141	
39	Shale	180	
23	Lime	203	
71	Shale	274	
23	Lime	297	
23	Shale	320	
6	Lime	326	
43	Shale	369	
1	Lime	370	
16	Shale	386	
9	Lime	395	
2	Shale	397	
8	Lime	405	
1	Shale	406	
4	Lime	410	
10	Shale	420	
21	Lime	441	
4	Shale	445	
3	Lime	448	

448

Thickness of Strata	Formation	Total Depth	Remarks
5	Shale	453	
5	Lime	458	
52	Shale	506	Hertha
12	Sandy Shale	518	
65	Shale	583	
5	Sand	588	No Oil
49	Shale	637	
6	Lime	643	
20	Shale	663	
6	Lime	669	
14	Shale	683	
3	Lime	686	
15	Shale	701	
3	Lime	704	
20	Shale	724	
3	Lime	727	
8	Shale	735	
3	Sand	738	Broken - Good Saturation
2	Lime	740	
2	Sand	742	Broken - Good Saturation
4	Sand	746	Solid - Good Saturation
6	Sand	752	Broken - Poor Saturation
30	Sandy Shale	782	
43	Shale	825	825
5	Sand	830	830
50	Shale	880	TD