

Franklin County, KS  
Well:McCoy # 3  
Lease Owner:TDR

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

Commenced Spudding:  
07/24/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
44	soil/clay	44
23	shale	67
6	lime	73
2	shale	75
16	lime	91
7	shale	98
10	lime	108
4	sand	112
2	shale	114
19	sandy lime and lime	133
39	shale	172
20	lime	192
13	sand	205
12	sandy shale	217
50	shale	267
22	lime	289
23	shale	312
7	lime	319
19	shale	338
2	lime	340
24	shale	364
1	lime	365
15	shale	380
23	lime	403
9	shale	412
22	lime	434
5	shale	439
4	lime	443
4	shale	447
6	lime	453
4	shale	457
10	sandy shale	467
13	shale	480
10	sandy shale	490
12	shale	502
48	sandy shale and shale	550
31	shale	581
4	sand	585
2	sandy shale	587
52	shale	639



# 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. 3

Farm McCoy

KS Franklin  
(State) (County)

32 15 21  
(Section) (Township) (Range)

For TOR Construction  
(Well Owner)

## Town Oilfield Services, Inc.

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



Thickness of Strata	Formation	Total Depth	Remarks
44	soil / clay	44	
23	shale	67	
6	Lime	73	
2	shale	75	
16	Lime	91	
7	shale	98	Dark
10	Lime	108	
4	sand	112	
2	shale	114	grey, no oil
19	<del>sandy lime</del> lime	133	
39	shale	172	
20	Lime	192	
13	sand	205	grey, no oil
12	sand, shale	217	
50	shale	267	
22	Lime	289	
23	shale	312	
7	Lime	319	
19	shale	338	
2	Lime	340	
24	shale	364	
1	Lime	365	
15	shale	380	
23	Lime	403	
9	shale	412	
22	Lime	434	
5	shale	439	

Thickness of Strata	Formation	Total Depth	Remarks
		439	
4	Lime	443	
4	shale	447	
6	Lime	453	
4	shale	457	Harder
10	sandy shale	467	
13	shale	480	
10	sandy shale	490	
12	shale	502	
48	sandy shale	550	
31	shale	581	
4	sand	585	
2	sandy shale	587	grey, no oil
52	shale	639	
6	Lime	645	
10	shale	655	
3	Lime	658	
25	shale	683	
2	Lime	685	
14	shale	699	
4	Lime	703	
28	shale	731	
1	Broken sand	732	no oil
1	Broken sand	733	oily, 5% oil
1	Broken sand	734	20%
2	sand	736	60% - 70%, slight bleed
1	Broken sand	737	40% - 50%
2	Broken sand	739	15% - 20%



# Town Oilfield Service

P.O Box 339 Louisburg, Ks 66053  
913-837-8400

Ticket Number \_\_\_\_\_  
Location \_\_\_\_\_  
Foreman \_\_\_\_\_

## Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
7-25-14	TD13 Cont.	McLoy 3	32	15	21	FR
Customer		Mailing Address				
		City	State	Zip Code		

Job Type long string Hole Size 5 5/8 Hole Depth 820 Casing Size & Weight 2 7/8  
 Casing Depth 799 Drill Pipe \_\_\_\_\_ Tubing \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement 4.6 Displacement PSI 200 Mix PSI 200 Rate 4 BPM

Remarks \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		150
	121	Cement	10	1210
		Gel		
		Plug		25
			Sales Tax	

Estimated Total 2335

Authorization [Signature] Title \_\_\_\_\_ Date 7-25-14

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.