

Franklin County, KS  
Well:McCoy 10  
Lease Owner:TDR

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

Commenced Spudding:  
05/14/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-49	soil/clay	49
33	shale	82
25	lime	107
7	shale	114
11	lime	125
5	shale	130
20	lime	150
38	shale	188
21	lime	209
73	shale	282
23	lime	305
23	shale	328
7	lime	335
42	shale	377
2	lime	379
15	shale	394
8	lime	402
2	shale	404
14	lime	418
11	shale	429
21	lime	450
4	shale	454
3	lime	457
5	shale	462
4	lime	466
29	shale	495
4	sand	499
4	sandy shale	503
12	shale	515
23	sand	538
2	sandy shale	540
8	sand	548
6	sand and sandy shale	554
38	shale	592
6	sand	598
2	sandy shale	600
45	shale	645
9	lime	654
37	shale	691
3	lime	694



# 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. 10

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

McCoy Farm: Franklin County

KS State; Well No. 10

Elevation 1044

Commenced Spuding 05/14 20 14

Finished Drilling 05/16 20 14

Driller's Name Greg Perry

Driller's Name

Driller's Name

Tool Dresser's Name Kenny Gwin

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOG

32 15 21

(Section) (Township) (Range)

Distance from S line, 3305 ft.

Distance from E line, 865 ft.

6 Bag of cement

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
786	55	Baffle		4 1/2"	
815	75	Total			

CASING AND TUBING RECORD

10" Set \_\_\_\_\_ 10" Pulled \_\_\_\_\_

8 3/8" Set 22' 8" Pulled \_\_\_\_\_

6 1/4" Set \_\_\_\_\_ 6 1/4" Pulled \_\_\_\_\_

4" Set \_\_\_\_\_ 4" Pulled \_\_\_\_\_

2" Set \_\_\_\_\_ 2" Pulled \_\_\_\_\_

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7	Shale	114	
11	Lime	125	
5	Shale	130	
20	Lime	150	
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23	Lime	305	
23	Shale	328	
7	Lime	335	
42	Shale	377	
2	Lime	379	
15	Shale	394	
8	Lime	402	
2	Shale	404	
14	Lime	418	
11	Shale	429	
21	Lime	450	
4	Shale	454	
3	Lime	457	
5	Shale	462	
4	Lime	466	Hertha
29	Shale	495	
4	Sand	499	

499

Thickness of Strata	Formation	Total Depth	Remarks
4	Sandy Shale	503	
12	Shale	515	
23	Sand	538	
2	Sandy Shale	540	
8	Sand	548	
6	Sand & Sandy Shale	554	
38	Shale	592	
6	Sand	598	
2	Sandy Shale	600	
45	Shale	645	
9	Lime	654	
37	Shale	691	
3	Lime	694	
16	Shale	710	
5	Lime	715	
29	Shale	744	
2	Sand	746	Broken - Good Saturation
2	Lime	748	
6	Sand	754	Solid - Good Saturation
4	Sand	758	Broken - Good Saturation
9	Sandy Shale	767	
73	Shale	840	TD

# Town Oilfield Service

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

Ticket Number \_\_\_\_\_  
Location \_\_\_\_\_  
Foreman Lance Town

## Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
5-16-14		McCoy #10	32	15	21	Franklin
Customer		Mailing Address				
<u>TOR Cont Inc.</u>						
		City	State	Zip Code		

Job Type Long string Hole Size 6 3/4 Hole Depth 840 Casing Size & Weight \_\_\_\_\_  
 Casing Depth 815 Drill Pipe \_\_\_\_\_ Tubing \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement 12.46 Displacement PSI 100 Mix PSI 100 Rate 4 BPM

Remarks Rigged up, Established Rate down casing, mixed & pumped  
120# gel followed by 100% cement circulated cement flushed  
pump & pumped plug

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		150
	160	Cement	8.5	1360
	2	Gel		30
	1	Plug		55
				Sales Tax
				Estimated Total <u>2545</u>

Authorization [Signature] Title \_\_\_\_\_ Date 5-16-14

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.

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

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Location \_\_\_\_\_  
Foreman Lance Town

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5-16-14		McCoy #10	32	15	21	Franklin
Customer		Mailing Address				
<u>TOB Cont Inc.</u>						
		City	State	Zip Code		

Job Type Long String Hole Size 6 3/4 Hole Depth 240 Casing Size & Weight \_\_\_\_\_  
Casing Depth 815 Drill Pipe \_\_\_\_\_ Tubing \_\_\_\_\_ Other \_\_\_\_\_  
Displacement 12.46 Displacement PSI 100 Mix PSI 100 Rate 4 BOPM

Remarks Rigged up, Established Rate down casing, mixed & pumped  
120# Gel followed by 100% cement circulated cement flushed  
Pump & pumped plug

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		Cement Truck		250
		Water Truck		150
	<u>160</u>	Cement	<u>8.5</u>	<u>1360</u>
	<u>2</u>	Gel		<u>30</u>
	<u>1</u>	Plug		<u>55</u>
			Sales Tax	
Estimated Total				<u>2545</u>

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