

Franklin County, KS  
 Well: McCoy 7W  
 Lease Owner: TDR

TDR Construction, INC.  
 (913) 710-5400

Commenced Spudding:  
 9/6/2019

WELL LOG

Thickness of Strata	Formation	Total Depth
0-40	soil-clay	40
31	shale	71
6	lime	77
3	shale	80
15	lime	95
7	shale	102
10	lime	112
6	shale	118
17	lime	135
32	shale	167
1	lime	168
8	shale	176
19	lime	195
77	shale	272
23	lime	295
20	shale	315
10	lime	325
59	shale	384
9	lime	393
1	shale	394
13	lime	407
10	shale	417
21	lime	438
4	shale	442
5	lime	447
4	shale	451
5	lime	456
125	shale	581
5	sand	586 slight oil show-not much
48	shale	634
7	lime	641
7	shale	648
3	lime	651
9	shale	660 coal
6	lime	666
14	shale	680
4	lime	684
16	shale	700
3	lime	703
19	shale	722



## 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 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. 7W

Farm McCoy

KS Franklin  
(State) (County)

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

For TDR Construction  
(Well Owner)

**TDR CONSTRUCTION, INC.**  
**PO BOX 339**  
**Louisburg, KS 66053**  
**913-710-5400**

Mcloy Farm: Franklin County

KS State; Well No. 7W

Elevation 1037

Commenced Spuding 9-6 20 19

Finished Drilling 9-16 20 19

Driller's Name Wesley Dollard

Driller's Name \_\_\_\_\_

Driller's Name \_\_\_\_\_

Tool Dresser's Name Jacob Sloan

Tool Dresser's Name \_\_\_\_\_

Tool Dresser's Name \_\_\_\_\_

Contractor's Name TDR

32 15 21

(Section) (Township) (Range)

Distance from \_\_\_\_\_ line, \_\_\_\_\_ ft.

Distance from \_\_\_\_\_ line, \_\_\_\_\_ ft.

4 sacks

9 hrs

5 5/8 borehole

2 7/8 casing

### CASING AND TUBING RECORD

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

8" Set \_\_\_\_\_ 8" Pulled \_\_\_\_\_

6 1/2" Set 20 6 1/2" Pulled \_\_\_\_\_

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

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

### CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
780		Baffle			
813		Float	2	7/8	
840		TD			

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4	Lime	684	
16	shale	700	
3	Lime	703	
19	shale	722	
1	Lime	723	
7	shale	730	
1	sand	731	broken - good oil show
11	sand	742	solid - good saturation
4	sand	746	broken - good oil show
94	sandy shale	840	TD

## Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
9-16-19		McCoy TW	32	15	21	FR
Customer			Mailing Address			
			City	State	Zip Code	

Job Type long string Hole Size 5 5/8 Hole Depth 840 Casing Size & Weight 2 7/8  
 Casing Depth 813 Drill Pipe \_\_\_\_\_ Tubing \_\_\_\_\_ Other \_\_\_\_\_  
 Displacement \_\_\_\_\_ Displacement PSI \_\_\_\_\_ Mix PSI \_\_\_\_\_ Rate \_\_\_\_\_

Remarks Rig-up, Circulate well, pump class A cement to top of pump plug.

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		1000
		Cement Truck		500
		Water Truck		500
	137	Cement	16	2192
		Gel		
		Plug		45
			Sales Tax	
Estimated Total				4237

Authorization  Title \_\_\_\_\_ Date 9-16-19

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.