

Franklin County, KS
 Well: McCoy # 21
 Lease Owner:TDR

TDR Construction Inc.
 (913) 710-5400

Commenced Spudding:
 9/19/2019

WELL LOG

Thickness of Strata	Formation	Total Depth
0-40	soil clay	40
31	shale	71
7	lime	78
2	shale	80
16	lime	96
9	shale	105
10	lime	115
3	shale	118
19	lime	137
40	shale	177
19	lime	196
76	shale	272
23	lime	295
23	shale	318
7	lime	325
58	shale	383
10	lime	393
7	shale	400
9	lime	409
9	shale	418
21	lime	439
4	shale	443
5	lime	448
4	shale	452
5	lime	457 hertha
178	shale	635
7	lime	642
40	shale	682
3	lime	685
40	shale	725
1	lime	726
1	shale	727
2	lime	729
4	shale	733
1	sand	734 no oil
5	sand	739 broken - good saturation
1	sandy lime	740 no oil
11	sand	751 mostly solid-good saturation
69	sandy shale	820 T.D.

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. 21

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. 21

Elevation 1028

Commenced Spuding 9-19 20 19

Finished Drilling 9-20 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 S line, 3807 ft.

Distance from E line, 1490 ft.

4 sacks

9 hrs

5 7/8 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.
770	-	Baffle			
800	-	Float		2	7/8
820	-	T.D.			

Thickness of Strata	Formation	Total Depth	Remarks
0-40	Soil-clay	40	
31	Shale	71	
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9	Shale	105	
10	Lime	115	
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7	Shale	400	
9	Lime	409	
9	Shale	418	
21	Lime	439	
4	Shale	443	
5	Lime	448	
4	Shale	452	
5	Lime	457	
178	Shale	635	Herthg
7	Lime	642	


Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
9-20-19		McCoy 21	32	15	21	FR
Customer			Mailing Address			
			City	State	Zip Code	

Job Type long string Hole Size 5 9/8 Hole Depth 820 Casing Size & Weight 2 7/8
 Casing Depth 800 Drill Pipe _____ Tubing _____ Other _____
 Displacement _____ Displacement PSI _____ Mix PSI _____ Rate _____

Remarks Rig-up, Circulate well, pump class A cement to top to 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 _____

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.