

Franklin County, KS
 Well:McCoy 9W
 Lease Owner: TDR

TDR Construction, Inc.
 (913) 710-5400

Commenced Spudding:
 08/15/2019

WELL LOG

Thickness of Strata	Formation	Total Depth
0-44	soil-clay	44
28	shale	72
7	lime	79
3	shale	82
16	lime	98
8	shale	106
10	lime	116
3	shale	119
21	lime	140 shells
38	shale	178 redbed
20	lime	198
76	shale	274
22	lime	296
24	shale	320 redbed
7	lime	327
41	shale	368
1	lime	369
16	shale	385
9	lime	394
2	shale	396
12	lime	408
10	shale	418
22	lime	440
5	shale	445
3	lime	448
4	shale	452
6	lime	458 hertha
122	shale	580
10	sand	590 no oil
45	shale	635
8	lime	643
7	shale	650
5	lime	655
9	shale	664 coal
6	lime	670
14	shale	684
4	lime	688
14	shale	702
4	lime	706
22	shale	728

7 W on map

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals $D^2 \times h \times 14$

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 - RPMxd over SPMxR

d - SPMxRxD over RPM

SPM - RPMXD over RxD

R - RPMXD over SPMxD

$$\text{BELT LENGTH} = 2C + 1.57(D + d) + \frac{(D-d)^2}{4C}$$

* Need these to figure belt length

$$\frac{\text{WATTS}}{\text{VOLTS}} = \text{AMPS}$$

TO FIGURE AMPS:

746 WATTS equal 1 HP

Log Book

Well No. 9W

Farm McCoy

KS (State) Franklin (County)

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

For TDR Construction (Well Owner)

TDR CONSTRUCTION, INC.

PO Box 339

Louisburg, KS 66053

913-710-5400

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10	Shale	418	
22	Lime	440	
5	Shale	445	
3	Lime	448	
4	Shale	452	
6	Lime	458	Hardly

TDR Construction Company

PO Box 339
Louisburg, KS 66053

Ticket Number _____

Location _____

Foreman _____

Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
9-3-19		McLoy 9W	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 832 Drill Pipe _____ Tubing _____ Other _____
 Displacement _____ Displacement PSI _____ Mix PSI _____ Rate _____

Remarks Big up, circulate well, pump class A cement

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		1000
		Cement Truck		500
		Water Truck		500
<u>Class A</u>	<u>128</u>	Cement	<u>16</u>	<u>2048</u>
		Gel		
		Plug		45
			Sales Tax	
Estimated Total				<u>4093</u>

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.

