

Franklin County, KS
 Well:McCoy 2-W
 Lease Owner: TDR

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

Commenced Spudding:
 7/30/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
42	soil/clay	42
32	shale	74
4	lime	78
2	shale	80
16	lime	96
8	shale	104
10	lime	114
4	sand	118
2	shale	120
15	lime	135
21	shale	156
9	sand	165
5	sandy shale	170
8	shale	178
20	lime	198
74	shale	272
22	lime	294
20	shale	314
10	lime	324
17	shale	341
3	lime	344
26	shale	370
1	lime	371
15	shale	386
24	lime	410
8	shale	418
23	lime	441
4	shale	445
5	lime	450
4	shale	454
7	lime	461
127	shale and sandy shale	588
5	sand	593
3	sandy shale	596
42	shale	638
7	lime	645
9	shale	654
3	lime and shale	657
9	shale	666
6	lime and shale	672

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. 2-W

Farm McCoy

KS Franklin
(State) (County)

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

For TDR Construction
(Well Owner)

Town Oilfield Services, Inc.

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

Mallory Farm: Franklin County

KS State; Well No. 2W

Elevation 3047

Commenced Spudding 7-30 2014

Finished Drilling 7-31 2014

Driller's Name Charles Wecker

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Cole Holcom

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name TOS

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

Distance from S line, 3300 ft.

Distance from E line, 685 ft.

2- Sacks
**CASING AND TUBING
 RECORD**

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

6 1/2" Set 21' 6 1/4" Pulled _____

4" Set _____ 4" Pulled _____

2 7/8" Set 822.30 2" Pulled _____

740.70 Buddle
840 TO

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.

Thickness of Strata	Formation	Total Depth	Remarks
42	soil / clay	42	
32	shale	74	
4	Lime	78	
2	shale	80	
16	Lime	96	
8	shale	104	Dark
10	Lime	114	
4	sand	118	
2	shale	120	grey, no oil
15	Lime	135	
21	shale	156	(red bed 143' - 146')
9	sand	165	grey, no oil
5	sandy shale	170	
8	shale	178	
20	Lime	198	
74	shale	272	
22	Lime	294	
20	shale	314	
10	Lime	324	
17	shale	341	
3	Lime	344	
26	shale	370	
1	Lime	371	
15	shale	386	
24	Lime	410	
8	shale	418	
23	Lime	441	

441

Thickness of Strata	Formation	Total Depth	Remarks
4	shale	445	
5	lime	450	
4	shale	454	
7	lime	461	
127	chalc. sand, shale	588	Hard
5	sand	593	
3	sandy shale	596	
42	shale	638	
7	lime	645	
9	shale	654	
3	lime & shale	657	
9	shale	666	
6	lime & shale	672	
15	shale	687	
3	lime	690	
14	shale	704	
3	lime	707	
28	shale	735	
2	Broken sand	737	
1	Broken sand	738	odor, 5% - 10%
2	Broken sand	740	30% oil
1	sand	741	80% - 90% sand bleed
1	Broken sand	742	30% oil
1	Broken sand	743	5% oil
3	Broken sand	746	40% - 50% oil
6	Broken sand	752	60% - 70% oil
2	Broken sand	754	5% oil

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
7-31-14		McCoy 2W	32	15	21	FR
Customer TDIR		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 802 Drill Pipe _____ Tubing _____ Other _____
 Displacement _____ Displacement PSI _____ Mix PSI _____ Rate _____

Remarks _____

Account Code	Quantity or Units	Description of Services or Product	Unit Price	Total
		Pump Charge		700
		Cement Truck		250
		Water Truck		150
	127	Cement	8.5	1079.5
		Gel		
		Plug		25
			Sales Tax	
			Estimated Total	2204.5

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.