

Franklin County, KS
Well:McCoy 4W
Lease Owner:TDR

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

Commenced Spudding:
05/23/2014

WELL LOG

Thickness of Strata	Formation	Total Depth
0-48	soil-clay	43
32	shale	80
6	lime	86
2	shale	88
17	lime	105
7	shale	112
10	lime	122
6	shale	128
22	lime	150
55	shale	185
22	lime	207
72	shale	279
23	lime	302
23	shale	325
7	lime	332
42	shale	374
2	lime	376
15	shale	391
7	lime	398
2	shale	400
13	lime	413
12	shale	425
21	lime	446
4	shale	450
4	lime	454
4	shale	458
5	lime	463
27	shale	490
5	sand	495
5	sandy shale	500
12	shale	512
43	sand	555
32	shale	587
7	sand	514
34	shale	628
7	lime	635
5	shale	640
8	lime	648
40	shale	688
3	lime	691

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. 4W

Farm McCoy

KS

(State)

Franklin

(County)

32

(Section)

15

(Township)

21

(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. 4W

Elevation 1042

Commenced Spuding 05/23/2014

Finished Drilling 05/23/2014

Driller's Name Greg Perry

Driller's Name

Driller's Name

Tool Dresser's Name Brandon Stone

Tool Dresser's Name Wes Dollard

Tool Dresser's Name

Contractor's Name JCS

32 15 21

(Section) (Township) (Range)
Distance from S line, 3300 ft.

Distance from E line, 1060 ft.

3 bag of cement

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
771	50	Baffle		27 1/2"	
803	25	Total			

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____
7 1/2" Set 21 _____ 8" Pulled _____
6 1/4" Set _____ 6 1/4" Pulled _____
4" Set _____ 4" Pulled _____
2" Set _____ 2" Pulled _____

Thickness of Strata	Formation	Total Depth	Remarks
0-48	Silt-Clay	48	
32	Shale	80	
6	Lime	86	
2	Shale	88	
17	Lime	105	
7	Shale	112	
10	Lime	122	
6	Shale	128	
22	Lime	150	
35	shale	185	
22	Lime	207	
72	Shale	279	
23	Lime	302	
23	Shale	325	
7	Lime	332	
42	Shale	374	
2	Lime	376	
15	Shale	391	
7	Lime	398	
2	Shale	400	
13	Lime	413	
12	Shale	425	
21	Lime	446	
4	Shale	450	
4	Lime	454	
4	Shale	458	
5	Lime	463	

North

463

Thickness of Strata	Formation	Total Depth	Remarks
27	Shale	490	
5	Sand	495	
5	Sandy Shale	500	No Oil
12	Shale	512	
43	Sand	555	No Oil
32	Shale	587	
7	Gravel	594	
34	Shale	628	No Oil
7	Lime	635	
5	Shale	640	
8	Lime	648	
40	Shale	688	
3	Lime	691	
14	Shale	705	
4	Lime	709	
31	Shale	740	
1	Sand	741	Broken - Good Saturation
1	Lime	742	
3	Sand	745	Broken - Good Saturation
3	Sand	748	Solid - Good Saturation
6	Sand	754	Broken - Good Saturation
86	Shale	820	(1)

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
5-27-14		McCoy 4W	32	15	21	Franklin
Customer <u>TD13 Cont Inc</u>		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 815 Drill Pipe _____ Tubing _____ Other _____
Displacement 4.6 Displacement PSI 400 Mix PSI 200 Rate 5 bpm

Remarks Bigged up. Established rate down casing. Mixed & pumped 120# gel followed by 130 sac's of 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
	130	Cement	8.5	1105
	112	Gel	15	30
	1	Plug	25	25
			Sales Tax	
Estimated Total				2240

Authorization [Signature] Title _____ Date 5-27-14

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.