

Linn County, KS  
Well:Woirhaye 100A  
Lease Owner:Triple T

Town Oilfield Service, Inc.  
(913) 294-2125

Commenced Spudding:  
10/27/2017

WELL LOG

Thickness of Strata	Formation	Total Depth
0-4	Soil-Clay	4
21	Sandy Shale	25
10	Shale	35
5	Lime	40
51	Shale	91
8	Lime	99
9	Shale	108
35	Lime	143
11	Shale	154
14	Lime	168
6	Shale	174
2	Lime	176
4	Shale	180
5	Lime	185
3	Shale	188
4	Lime & Sandy Shale	192
4	Sandy Shale	196
27	Shale	223
15	Sand	238
30	Sandy Shale	268
46	Shale	314
3	Sand	317
8	Sandy Shale	325
25	Shale	350
5	Sandy Lime	355
15	Shale	370
9	Lime	379
1	Shale	380
2	Lime	382
25	Sand	407
6	Sandy Shale	413
25	Shale	438
9	Lime	447
12	Shale	459
4	Lime	463
14	Shale	477
5	Lime	482
3	Sand	485
5	Shale	490
9	Lime	499



# 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. 100A

Farm Woirhaye

KS Linn  
(State) (County)

2 20 22  
(Section) (Township) (Range)

For Triple T Oil  
(Well Owner)

15-107-25250

## Town Oilfield Services, Inc.

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

Wairhage Farm, Linn County

KS State; Well No. 100A

Elevation 977

Commenced Spudding 10-27 20 17

Finished Drilling 10-31 20 17

Driller's Name Wesley Dillard

Driller's Name Ryan Ward

Driller's Name

Tool Dresser's Name

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name TOS

2 20 22

(Section) S (Township) (Range) 4090 ft.

Distance from E line, 2315 ft.

3 sacks

9 hrs

5 5/8 bore hole

2 7/8 casing

CASING AND TUBING RECORD

10" Set Pulled

8" Set Pulled

7" Set 21 6 1/4" Pulled

4" Set Pulled

2" Set Pulled

CASING AND TUBING MEASUREMENTS

Table with columns for Feet and In. for three different casing types. Handwritten entries include '710 - Float', '740 TD', and '2 7/8'.

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5	lime	40	
51	shale	91	
8	lime	99	
9	shale	108	
35	lime	143	
11	shale	154	
14	lime	168	
6	shale	174	
2	lime	176	
4	shale	180	
5	lime	185	Heather
3	shale	188	
4	lime & sandy shale	192	
4	sandy shale	196	
27	shale	223	
15	sand	238	grey - no Oil
30	sandy shale	268	
46	shale	314	
3	sand	317	grey - no Oil
8	sandy shale	325	
25	shale	350	
5	sandy lime	355	
15	shale	370	
9	lime	379	odor - slight show

379

Thickness of Strata	Formation	Total Depth	Remarks
1	Shale	380	
2	Lime	382	
25	sand	407	broken - slight show
6	sandy shale	413	
25	shale	438	
9	Lime	447	
12	Shale	459	
4	Lime	463	
14	Shale	477	
5	Lime	482	sandy
3	sand	485	grey - no oil
5	Shale	490	
9	Lime	499	
15	Shale	514	
1	Lime	515	
3	Shale	518	
3	Lime	521	
30	Shale	551	
7	sand	558	broken - odor - no show
2	sandy shale	560	
18	shale & gas sand	578	laminated - gas odor
20	sand & sandy shale	598	broken - gas odor - very little oil
7	sand	605	broken - odor - very little oil
4	sand	609	broken - OK oil show
4	sand	613	solid - good oil show
1	coal	614	
13	Shale	627	



# Town Oilfield Service

PO Box 339 Louisburg, KS 66053  
913-294-2125

Ticket # \_\_\_\_\_  
Location \_\_\_\_\_  
Foreman \_\_\_\_\_

## Field Ticket & Treatment Report Cement

Date	Customer#	Well Name & Number	Section	Township	Range	County
10-31-17		Woirhaye 100A	2	20	22	Linne
Customer		Mailing Address				
			City	State	Zip Code	

Job Type log 5/8 Hole Size 5 5/8 Hole Depth 740 Casing Size & Weight 2 7/8

Casing Depth 710 Drill Pipe \_\_\_\_\_ Tubing \_\_\_\_\_ Other \_\_\_\_\_

Displacement \_\_\_\_\_ Displacement PSI \_\_\_\_\_ Mix PSI \_\_\_\_\_ Rate \_\_\_\_\_

Remarks \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Quantity or Units	Description of Service or Product	Unit Price	Total
	Pump Charge		700
	Cement Truck		250
	Water Truck		0
120	Cement	8	960
	Gel		
	Plug		25
	Estimated Total:		1935

Authorization  Title \_\_\_\_\_ Date 10-31-17