

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 - $\text{RPM} \times d$ over $\text{SPM} \times R$

d - $\text{SPM} \times R \times D$ over RPM

SPM - $\text{RPM} \times D$ over $R \times d$

R - $\text{RPM} \times D$ over $\text{SPM} \times d$

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

* Need these to figure belt length

TO FIGURE AMPS: $\frac{\text{WATTS}}{\text{VOLTS}} = \text{AMPS}$

746 WATTS equal 1 HP

Log Book

Well No.

B-2

Farm

Zimmerman

(State)

KS

(County)

Crawford

(Section)

30

(Township)

28

(Range)

21

For

Town Oil Co.

(Well Owner)

Town Oil Company, Inc.

16205 W. 287th St.

Paola, KS 66071

913-294-2125

Rummel Farm: Crawford County

15 State; Well No. 22

Elevation 31

Commenced Spuding 5-7 20 18

Finished Drilling 5-30 20 18

Driller's Name

Driller's Name

Driller's Name

Tool Dresser's Name

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name Teton Oil Co

36 28 21

(Section) (Township) (Range)

Distance from line, ft.

Distance from line, ft.

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
31	6				
31	2				
31	2				
31	7				
31	2				
31	1				
31	2				
31	4				
31	2				
31	5				
31	2				
31	1				
31	2				
31	4				
31	4				
<hr/> 469.6					
<hr/> - 19.6					
<hr/> 450.00					

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

6 1/4" Set 20' 3 sets 6 1/4" Pulled _____

4" Set _____ 4" Pulled _____

2" Set 450' 2" Pulled _____

2 7/8" 8' upset
Pin at 446'

Thickness of Strata	Formation	Total Depth	Remarks
10	soft clay	6	
1	gravel	7	
4	shale	11	
5	Lime	16	
9	shale	25	sandy grey
2	Lime	27	
60	sandy shale	87	
4	Lime	91	
3	shale	94	
44	Lime	138	
21	shale	159	
2	Lime	161	
42	shale	203	
23	Lime	226	
8	shale	234	
5	Lime	239	
107	shale	346	w/ Lime streaks
1	Lime	347	
59	shale	406	
22	sand	428	slight oil show & odor
34	shale	462	T.P.



PRESSURE PUMPING LLC
PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

JM-10811
PO-16845
FT-10702

TICKET NUMBER 54028

LOCATION Ottawa, KS

FOREMAN Casey Kennedy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
5/30/18	7823	Zumwalt # B-2	NW 31	28	22	CR
CUSTOMER <u>Town Oil Co</u>			TRUCK #			
MAILING ADDRESS <u>16205 W. 287 St</u>			DRIVER			
CITY <u>Paola</u>		STATE <u>KS</u>	ZIP CODE <u>66601</u>		TRUCK #	
			DRIVER			
			TRUCK #			
			DRIVER			

JOB TYPE logstring HOLE SIZE 5 7/8" HOLE DEPTH 462' CASING SIZE & WEIGHT 2 7/8" EUE
 CASING DEPTH 450' DRILL PIPE _____ TUBING pin - 4 1/2" OTHER _____
 SLURRY WEIGHT _____ SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 4'
 DISPLACEMENT 2.58 bbls DISPLACEMENT PSI _____ MIX PSI _____ RATE 4 bpm

REMARKS: held safety meeting, established circulation, mixed & pumped 100# Gel followed by 5 bbls fresh water, mixed & pumped 61 sks Pozblend 1A cement w/ 2% bel per sk, cement to surface, flushed pump clean, pumped 2 1/2" rubber plug to pin w/ 2.58 bbls fresh water, pressured to 700 PSI, shut in casing.

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ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	1500.00	
CE0002	600 mi	MILEAGE	429.00	
CE0711	mi	ton mileage	1600.00	
		trucks	2587.00	
		- 30%	776.70	
		Subtotal		1812.30
CC5840	61 sks	Pozblend 1A cement	823.50	
CC5965	202 #	Gel	60.60	
CP8176	1	2 1/2" rubber plug	45.00	
		materials	929.10	
		- 30%	278.73	
		Subtotal		650.37
		7.5%	SALES TAX	48.78
			ESTIMATED TOTAL	2511.45

Handwritten notes