

STATE OF KANSAS
STATE CORPORATION COMMISSION
209 Colorado Derby Building
Wichita, Kansas 67202

WELL PLUGGING RECORD
K.A.R.-82-3-117

API NUMBER 15-1212630000

LEASE NAME Qualizza

WELL NUMBER # 2

TYPE OR PRINT
NOTICE: Fill out completely
and return to Cons. Div.
office within 30 days.

4290 ft. from S Section Line

4630 ft. from E Section Line

SEC. 28 TWP. 16 RGE. 24 (E) or (W)

COUNTY Miami

Date Well Completed 8-31-84

Plugging Commenced 1:00 PM 4-26-95

Plugging Completed 2:00 PM 4-26-95

LEASE OPERATOR D.M. Milliken

ADDRESS 1009 Orleans Topeka, Ks. 66604

PHONE#(913) 273-1624 OPERATORS LICENSE NO. 9875

Character of Well Oil

(Oil, Gas, D&A, SWD, Input, Water Supply Well)

The plugging proposal was approved on 4-26-95 (date)

by Leon Winters (KCC District Agent's Name).

Is ACO-1 filed? Unk If not, is well log attached? Yes

Producing Formation _____ Depth to Top _____ Bottom _____ T.D. 500'

Show depth and thickness of all water, oil and gas formations.

OIL, GAS OR WATER RECORDS

CASING RECORD

Formation	Content	From	To	Size	Put In	Pulled out

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the method or methods used in introducing it into the hole. If cement or other plugs were used, state the character of same and depth placed, from _____ feet to _____ feet each set.

Alt. II Completed 2 7/8 - Squeezed 2 7/8 from TD to surface with 15 sx of cement. Shut in @ 400 psi

(If additional description is necessary, use BACK of this form.)

Name of Plugging Contractor Town Oil Company License No. 6142

Address 16205 West 287th St. Paola, Kansas 66071

NAME OF PARTY RESPONSIBLE FOR PLUGGING FEES: Town Oil Company

STATE OF Kansas COUNTY OF Miami, ss.

Lester Town

(Employee of Operator) or (Operator) of

above-described well, being first duly sworn on oath, says: That I have knowledge of the facts, statements, and matters herein contained and the log of the above-described well as filed that the same are true and correct, so help me God.

(Signature) Lester Town

(Address) 16205 W. 287th St. Paola, Ks. 66071

SUBSCRIBED AND SWORN TO before me this 5th day of May, 1995

Donna Jean Barnhart
Notary Public

My Commission Expires: 4-22-97



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 $\text{SPM} \times D$

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

*Need these to figure belt length

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

746 WATTS equal 1 HP

RECEIVED
STATE COMMISSION
#2
MAY 1995
CHICAGO DIVISION
Log Book
typed

Well No. _____

Farm

QUALIZZA

(State)

(County)

(Section)

(Township)

(Range)

For

(Well Owner)

TOWN OIL CO.

Route 4

Paola, Kansas 66071

913-294-2125

Farm: _____ County _____

State: Well No. _____

Elevation _____

Commenced Spuding Aug 30 19 84

Finished Drilling Sept 31 19 84

Driller's Name BARNETT

Driller's Name _____

Driller's Name _____

Tool Dresser's Name Harold

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name _____

(Section) _____ (Township) _____ (Range) _____

Distance from _____ line, _____ ft.

Distance from _____ line, _____ ft.

SN 431.95

TP 464

TD 500

CASING AND TUBING

RECORD

3 sacks cement

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

6 1/4" Set 21.20 6 1/4" Pulled _____

4" Set _____ 4" Pulled _____

2" Set 464 2" Pulled _____

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
33	80			431	95
33	80			32	05
167	60			464	00
31	40				TD
99	00				
31	70				
130	70				
30	50				
161	20				
31	20				
192	40				
31	30				
223	70				
33	80				
257	50				
31	60				
289	10				
31	70				
320	80				
33	80				
354	60				
31	80				
386	40				
24	75				
411	15				
20	70				

431.95 SN

Thickness of Strata	Formation	Total Depth	Remarks
10	SOIL & CLAY	10	
5	GRAVEL	15	
12	LIME	27	
11	LIME (YELLOW)	38	SOFT
13	LIME	51	
3	SHALE	54	SHELLS
2	LIME	56	
51	SANDY SHALE	105	
✓ 10	LIME	115	
2	SHALE	117	
✓ 12	SAND	129	GRAY No. 522
3	SHALE	132	
✓ 13	SHALE & SHELLS	145	
3	LIME	148	
✓ 10	SHALE	158	LAM. SAND & SHELLS
26	SANDY SHALE	184	SHELLS
13	SAND	197	
10	LIME	207	
✓ 15	SHALE	222	
28	LIME	250	Winteret
✓ 8	SHALE & SLATE	258	
17	LIME	275	Bethany Hills
3	SHALE & SLATE	278	
3	LIME	281	K.C.
3	SHALE & SLATE	284	
9	LIME	293	Winteret

293			
Thickness of Strata	Formation	Total Depth	Remarks
✓ 5	SHALE & SHELLS	298	
✓ 3	SHALE	301	
✓ 6	SAND	307	LT SHOW BROKEN
6	SHALE	313	
✓ 4	SAND	317	ODOR
✓ 5	SHALE	322	
✓ 5	SAND	327	NO SHOW
✓ 38	SHALE SANDY	365	
10	SHALE & SHELLS	375	
15	SHALE	390	
5	SHALE & SHELLS	395	
✓ 6	SAND	401	LT SHOW
✓ 9	SANDY SHALE	410	SHELLS
✓ 20	SHALE	430	
1	SLATE	431	
1	LT SHALE	432	
✓ 6	SAND BROKEN	438	OIL SHOW
✓ 6	SAND	444	HARD OIL SHOW
5	SANDY SHALE	449	HARD NO SHOW
✓ 1	LIME	450	
✓ 16	SANDY SHALE	466	
4	SHALE / RED BED	470	
12	RED BED	482	
6	SHALE	488	
4	LIME	492	
2	SHALE	494	

[illegible]