

Log Book

Well No. # 7 *Typed*

Farm Wamsley

Kans (State) Lobetz (County)

16 (Section) 31s (Township) 21E (Range)

For H.C.O. (Well Owner)

**Kenneth R.
Johnson, Inc.**

Oil-Gas-Water-Industrial Supplies

CHANUTE
(316) 431-0479

OSAWATOMIE
(913) 755-4182
Nite (913) 294-3228
Nite (913) 755-3980

GARNETT
(913) 448-5915

Windsley Farm: Loletto County
Ka State: Well No. 7

Elevation _____

Commenced Spuding Sept 25 19 80

Finished Drilling Sept 29 19 80

Driller's Name William J. Billman

Driller's Name _____

Driller's Name _____

Tool Dresser's Name John Porter

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name V W & B
16 315 21E

(Section) (Township) (Range)

Distance from NE 1/4 line, _____ ft.

Distance from _____ line, _____ ft.

20' x 7" casing
set with 5 sack cement
10# col

CASING AND TUBING

RECORD

Bottom cement 231'
" " 132'

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

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

4" Set 231' 3" 4" Pulled _____

2" Set _____ 2" Pulled _____

Rules of Thumb

CEMENTING ANNULUS

2" ID - 6 1/4" - 1 Sack 5.8'

2" ID - 8" - 1 Sack 3.1'

3" ID - 8" - 1 Sack 3.5'

4" ID - 8" - 1 Sack 4.0'

CAPACITY

2" - 1 BBL. equals 256'

2 1/2" - 1 BBL. equals 164'

3" - 1 BBL. equals 115'

4" - 1 BBL. equals 64'

4 7/8" - 1 BBL. equals 43'

6 1/4" - 1 BBL. equals 26'

8" - 1 BBL. equals 16'

WATER - CEMENT RATIO

5.5 gals. to 1 sack - 2 1/2 hours

to thicken slurry

7.7 gals. to 1 sack - 2 hours

to thicken slurry

Thickness of Strata	Formation	Total Depth	Remarks
1	Top soil	1	
4	Brown clay	5	
8	Yellow clay	13	
2	River mud	15	
13	lime	28	
4	Black shale	32	
4	lime	36	
6	Sand stone	42	
2	Light shale	44	
4	Gray shale	48	
2	Sandstone	50	
80	Gray sandy shale	130	
2	Dark shale	132	
1	lime	133	
1	Coal	134	
15	Gray shale	149	
1	Light shale	150	Start core 161
28	Dark shale	178	Stop core 201
6	Sand stone	184	
1	Gray shale	185	
12	Sand stone	197	
1	coal	198	
1	lime	199	
1	Coal	200	
2	Gray shale	202	
1	Coal	203	

Short Cuts

TANK CAPACITY

BBLs. (42 gal.) equals $D^2 \times .14xh$

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

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and Casing

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REPAIR SERVICE

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HARDWARE AND WIRE

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GARNETT

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14
40
54

Ball
54

247

264
33

231

2

33
8

264

19

223

234

99

132

283
66
217

283
52
231