

Start 12-18-77

Log Book

Well No. _____

8

Farm _____

Hiller

(State)

(County)

(Section)

(Township)

(Range)

For _____

(Well Owner)

Best Scanned Copy

***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

HILLER Farm: NEOSH0 County

Kma State; Well No. 8

Elevation _____

Commenced Spuding 12-18 1977

Finished Drilling 12-27 1979

Driller's Name William Billman

Driller's Name _____

Driller's Name _____

Tool Dresser's Name John Porter

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name VW & B Drilling Co.

34 305 21E

(Section) (Township) (Range)

Distance from EAST line, 500' ft.

Distance from NORTH line, 2500 ft.

*20' 7" casing
5 sacks cement*

*Bottom cent 253
top " 165*

CASING AND TUBING

RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

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

4" Set 285' 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 16'

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
1	Top soil ¹⁷	1
8	Grey clay	9
2	Yellow clay	11
2	River bank clay	13
1	Lime	14
1	River gravel	15
12	Lime	27
2	Dark shale	29
3	Black shale	32
1	Light shale	33
12	Lime	45
5	Black shale	50
13	Light shale	63
73	Med shale	130
5	Black shale	135
12	Med shale	147
1	Lime	148 x
1	Med shale	149
1	Lime	150
2	Med shale	152
2	Black shale	154
5	Med shale	159
4	Light shale	163
11	Med shale	174
69	Port Sand	243
1	COAL	244

Short Cuts

TANK CAPACITY

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

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

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Water Well Pipe and Casing

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