

Log Book

Well No. 10

Farm A. Manner

Kans Lobeth
(State) (County)

(Section)

(Township)

(Range)

For H. C. O.
(Well Owner)

Typed

**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

Momany Farm: Lolette County

State; Well No. 10

Elevation _____

Commenced Spuding Mar 28 19 81

Finished Drilling _____

Driller's Name W. J. Biller

Driller's Name _____

Driller's Name _____

Tool Dresser's Name John Porter

Tool Dresser's Name _____

Tool Dresser's Name _____

Contractor's Name Y W & B

30 31S 21E

(Section) (Township) (Range)

Distance from 400 line, 600 ft.

Distance from 200 line, 200 ft.

38' of 7" casing
set with 6 sack cement

CASING AND TUBING RECORD

10" Set _____ 10" Pulled _____

8" Set _____ 8" Pulled _____

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

4" Set _____ 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	
5	Brown clay	6	
14	Yellow clay	20	
28	Gray shale	52	
18	Lime Stone	70	
5	Black shale	75	
2	Light Gray	77	
14	Lime Stone	91	
4	Black shale	95	
2	Light Gray shale	97	
1	Lime Stone	98	
4	Silty Light Gray	102	
3	Silty Gray shale	105	
3	Sand Stone	108	
9	Silty Gray shale	117	
2	Sand Stone	119	
39	Silty Gray shale	158	
27	Gray shale	185	
5	Dark Gray shale	190	
	Struck coal	190	
13	Gray shale	203	
2	Lime Stone	205	
6	Black shale	211	
4	Light Gray shale	215	
3	Gray shale	218	
5	Light Gray shale	223	

Thickness of Strata	Formation	Total Depth	Remarks
3	Gray shale	226	
7	Sandy Gray shale	233	
7	Gray shale	240	
	Struck off coal	240	
10	Light Gray shale	250	
9	Gray shale	259	
	Struck off coal	259	
4	Sand Light Gray shale	263	
	Struck off coal	263	
3	Sandy Gray shale	266	
28 4	Sandy shale	370	
28	Sandy shale	398	
5	Gray shale	303	
9	Dark Gray shale	312	
5	Light Silty Gray shale	317	
13	Gray shale	330	
10	Light Gray shale	340	
5	Gray shale	345	
10	Silty Gray shale	355	
9	Dark Gray shale	364	
	Struck off coal	364	
8	Sandstone	372	
4	Silty Light Gray	376	
44	Gray shale	420	
10	Dark Gray shale	430	
15	Light Gray shale	445	

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