

15-059-20101

# Log Book

Well No. 7

Farm Mowde Evans

Kansas

(State)

Franklin

(County)

NE 1/4 of SW 1/4

7

(Section)

17S

(Township)

21E

(Range)

For EVANS & MURRA

(Well Owner)

**Kenneth R.  
Johnson**

**OIL WELL SUPPLIES**

**OSAWATOMIE**

**755-4182**

**755-4732**

**GARNETT**

**448-5915**

Evans Farm; Franklin County  
Kansas State; Well No. 6

Elevation \_\_\_\_\_

Commenced Spuding Dec., 1969

Finished Drilling \_\_\_\_\_, 19\_\_

Driller's Name Irvin Winterscheid

Driller's Name Garnett, Kansas

Driller's Name \_\_\_\_\_

Tool Dresser's Name \_\_\_\_\_

Tool Dresser's Name \_\_\_\_\_

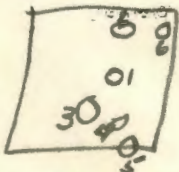
Tool Dresser's Name \_\_\_\_\_

Contractor's Name \_\_\_\_\_

(Section) (Township) (Range)

Distance from \_\_\_\_\_ line, \_\_\_\_\_ ft.

Distance from \_\_\_\_\_ line, \_\_\_\_\_ ft.



CASTING AND TUBING  
RECORD

10" Set 5 ft. 10" Pulled \_\_\_\_\_

8" Set 42 ft. 8" Pulled \_\_\_\_\_

6 1/4" Set 496 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 hrs.  
to thicken slurry

7.7 gals. to 1 sack — 2 hrs.  
to thicken slurry

Thickness of Starts	Formation	Total Depth	Remarks
7	Lime	420	
36	Shale	456	
6	Lime	462	
18	Shale	480	
4	Lime	484	
6	Shale	490	Gas
3	Lime	493	
3	Shale	496	Lime oil show
7	Lime	513	Show oil 510 to 516 1
3	Lime	516	
4	Shale	520	520.60 SLM Sand 2
10	Sand	530	
43	Shale	573	
7	Sand	580	573 to 580 Sand 3
9	Shale	589	589 to 593 Sand 4
4	Sand	593	
33	Shale	626	
			Cemented with 3
			centalogen, 30 sacks
			Cement + run 5 sacks
			ahead.



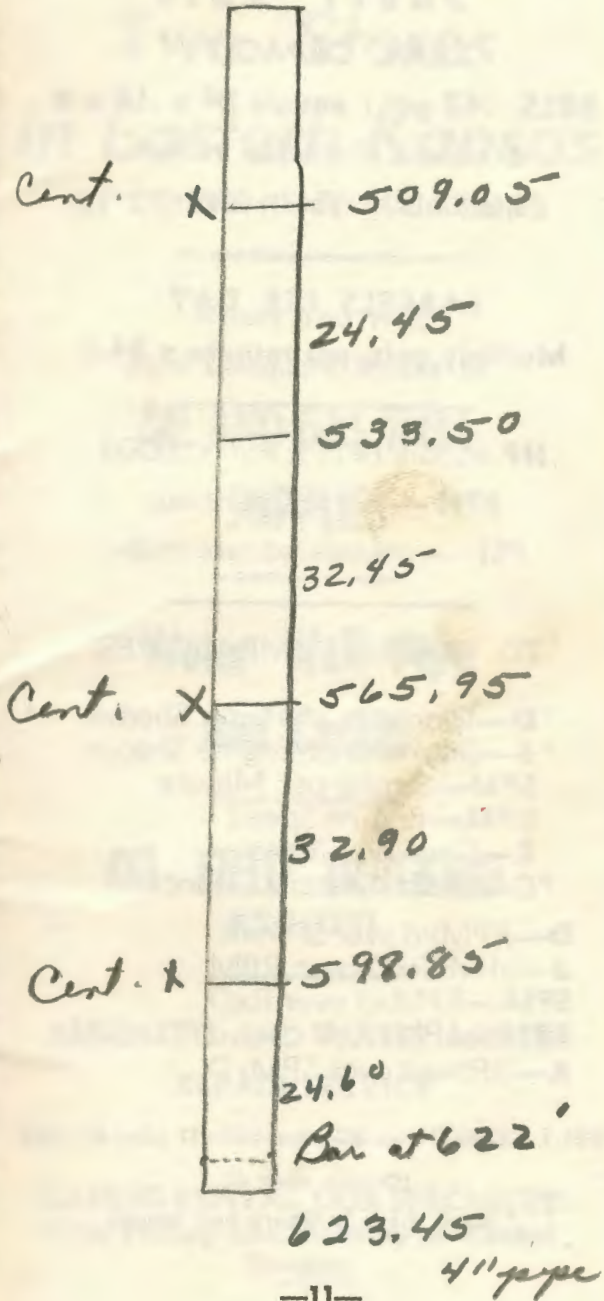
4" pipe

CASING AND TUBING MEASUREMENTS

Feet	In.	Feet	In.	Feet	In.
24	60			24	45
32	90			23	90
32	45			24	20
24	45				
24	20			623	30
24	10				
24	40				
24	50				
24	50				
24	50				
23	90				
24	05				
24	05				
24	15				
24	25				
23	85				
23	90				
24	55				
24	50				
24	20				
24	50				
24	40				

4" pipe

Notes:



## 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  $\times 34.2$

---

**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**—Stroke 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  $R \times D$

**RPM**— $SPM \times R \times D$  over  $d$

**R**— $RPM \times d$  over  $SPM \times D$

**BELT LENGTH** —  $2C$  plus  $1.57 (D \text{ plus } d)$  plus

$(D-d)^2$  over  $4C$

\* Need these to figure belt length

—12—

WE MAINTAIN

## Two Stores in Eastern Kansas

AT CONVENIENT LOCATIONS

---

Where You Will  
Find Complete Stocks of

**OIL AND GAS WELL  
SUPPLIES**

---

**Water Well Pipe  
and Casing**

---

**OIL FIELD TRUCKING**  
KCC 3251

---

**MAGNETO AND WATER METER  
REPAIR SERVICE**

---

**CASING RENTAL OUR SPECIALTY**  
Free Pickup and Delivery of Rental  
Strings

**WE SERVE**

The  
**Eastern Kansas Oil Field**

**STEEL PIPE AND CASING**  
New and Used

**PUMPING UNITS**

**SUCKER RODS**

**PUMPING EQUIPMENT**

**VALVES AND FITTINGS**

**WIRE ROPE**

**ENGINES — ELECTRIC MOTORS  
AND CONTROLS**

**PUMPS AND WATER SYSTEMS**

**V BELTS AND HOSE**

**POLES  
HARDWARE AND WIRE**

**Kenneth R.**

**Johnson**

**OIL WELL SUPPLIES**

**OSAWATOMIE**  
755-4182  
755-4732

**GARNETT**  
448-5915