Log Book

Well No. 7 Typed

Farm FLAHARTY

KANS (State) NEOSHO (County)

34 (Section) 30 (Township) 21 (Range)

For INCO (Well Owner)

Kenneth R. Johnson, Inc.

Oil-Gas-Water-Industrial Supplies

CHANUTE	OSAWATOMIE	GARNETT
(316) 431-0479	(913) 755-4182 Nite (913) 294-3228 Nite (913) 755-3980	(913) 448-5915

API 15-133-24559

FLAHARTY Farm: NE-SW-NE County

KANS State; Well No. 7

Elevation

Commenced Spuding 8-24 19 84

Finished Drilling 8-27 19 84

Driller's Name

Driller's Name

Driller's Name

Tool Dresser's Name

Tool Dresser's Name

Tool Dresser's Name

Contractor's Name

34 30 21E

(Section) SW SE SE (Township) (Range)

Distance from SOUTH line, 260 ft.

Distance from EAST line, 970 ft.

26' of 7" Casing
Set with 7 sacks Portland

CASING AND TUBING RECORD

10" Set		10" Pulled	
8" Set		8" Pulled	
6¼" Set		6¼" Pulled	
4" Set		4" Pulled	
2" Set		2" Pulled	

Rules of Thumb

CEMENTING ANNULUS

2" ID — 6¼" —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'

2½"— 1 BBL. equals.....164'

3" — 1 BBL. equals.....115'

4" — 1 BBL. equals..... 64'

4 ⅞"— 1 BBL. equals..... 43'

6¼"— 1 BBL. equals..... 26'

8" — 1 BBL. equals..... 16'

WATER — CEMENT RATIO

5.5 gals. to 1 sack — 2½ hours to thicken slurry

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

e. +850

Thickness of Strata	Formation	Total Depth	Remarks
	TOPSOIL	1	
	GRAY CLAY	4	
	YELLOW CLAY	19	
	RIVER GRAVEL	24	
	LIMESTONE	35	
	GRAY SHALE	36	
	DK SHALE	41	WATER FRESH
	LIMESTONE	55	
	DK SHALE	60	
	LIGHT SHALE	66	
	SILTY GRA SHALE	93	
	LIMESTONE	95	
	GRAY SHALE	146	
	STREAK OF COAL	146	
	GRAY SHALE	155	
	LIMESTONE	156	
	GRAY SHALE	159	
	LIMESTONE	160	
	DK GRAY SHALE	162	START CORE 164.6
	GRAY SHALE	174	STOP CORE 204'6"
	SANDSTONE & SHALE LAMINATED	180	OIL SHOW
	GRAY SHALE	181	
	SANDSTONE	188	OIL SHOW WATER
	DK SILTY SANDSTONE	195	5 GAL 1 MIN 15 SEC.
	COAL	196	
	GRAY SILTY SAND	200	

Thickness of Strata	Formation	Total Depth	Remarks
	COAL	201	
	GRAY SHALE	204	BOTTOM OF HOLE
			1st Cent 331'
			2nd " [redacted] 1132'
			1st Cement Set 158
			2nd Cement Basket 188

Short Cuts

TANK CAPACITY

BBLS. (42 gal.) equals D^2x.14xh

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 — RPMxd over SPMxR

d — SPMxRxD over RPM

SPM — RPMxD over RxD

R — RPMxd over SPMxD

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

*Need these to figure belt length

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

746 WATTS equal 1 HP

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
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

PLASTIC PIPE & FITTINGS

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