

# REPLACEMENT

WRD Exp. (GW)  
April 1966

Well No. K10

## WELL SCHEDULE

E LOG 114

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

### MASTER CARD

Record by J. H. Callahan Source of data M. Buck Martin Date 12-8-66 Map RALEIGH 5510

State Miss 58 28 County (or town) Sm. H. 19 65

Latitude: 32 01 45 N Longitude: 089 31 07 Sequential number: 1

Lat-long accuracy: 3 T. 2 S, R 8 W, Sec 7, NW 1/4, NE 1/4, NW 1/4

Local well number: K001 80702N08E Other number: City #1

Local use: 088 Owner or name: Town of Raleigh

Owner or name: RALEIGH Address: Raleigh Miss

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist M

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, (P) S, Rec, (R)

(S) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other P

Use of well: (A) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, (W) Withdraw, Waste, Destroyed W

DATA AVAILABLE: Well data  Freq. W/L meas.:  Field aquifer char.

Hyd. lab. data:

Qual. water data; type: USGS Complete 5-25-55 C

Freq. sampling:  Pumpage inventory: yes  no, period:

Aperture cards:

Log data: elec log 100-935 A114 D E

### WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1194 ft 1194 Meas. accuracy Drillers & Elec. 4

Depth cased: (first perf.) 1134 ft 1134 Casing type: steel; Diam. 6 in 6

Finish: (C) porous concrete, (F) gravel w. (screen), (G) gravel w. (screen), (H) horiz. gallery, (I) open end, (J) jetted, (K) air percussion, (L) air wash, (M) none, (N) piston, (O) submerg, (P) rot, (Q) driven, (R) wash, (S) other S

Method: (A) air rot, (B) bored, (C) cable, (D) dug, (E) hyd rot, (F) jetted, (G) air percussion, (H) rotary, (I) driven, (J) wash, (K) other A

Date Drilled: 12/1951 951 Pump intake setting:  ft

Driller: C.T. Switzer Gulfport - Miss

Lift (type): (A) air, (B) bucket, (C) cent, (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot, (J) submerg, (K) turb, (L) other S Deep D Shallow 40

Power (type): (A) diesel, (B) elec, (C) gas, (D) gasoline, (E) hand, (F) gas, (G) wind, (H) H.P. 15 Trans. or meter no. U

Descrip. MP Breaker hole in top of well shell above ft below LSD. Alt. MP 3

Alt. LSD: 530 Accuracy: 540 3

Water Level: 249.58 ft above below MP; Ft below LSD 249 Accuracy: Meas. A

Date meas: 12/8/66 D66 Yield: 200 gpm 200 Method determined 61

Drawdown:  ft  Accuracy:  Pumping period  hrs

QUALITY OF WATER DATA: Iron 0.12 Sulfate 11 Chloride 2.0 Hard. 2

Sp. Conduct 344 K x 10 3 Temp. 81 °F 81 Date sampled 555

Taste, color, etc.

PUNCHED and VERIFIED  
ROLLA COMPUTATION BRANCH

u/3/1/89

used by  
Gas dept

Well NOT used  
5-20-02  
could be OBS  
well PEG  
Coordinate w/GPS  
32 01 54.3  
89 31 19.6

11/3/89  
313.20

0-20 02

11/5/80

WL+MP -  
332.26

MP top of base 1.5 LSD

WL-LSD - 330.76

540  
331  
209

Well No.

K10

Latitude-longitude 32 01 45<sup>N</sup> 089 31 07<sub>S</sub>  
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD 03 Physiographic Province: Section: 03

D Drainage Basin: 130 Subbasin: 26

Topo of well site: (D) depression, stream channel, dunes, flat, (H) hilltop, sink, swamp, (K) offshore, pediment, hillside, terrace, undulating, valley flat (L) (P) (S) (T) (U) (V) H

MAJOR AQUIFER: Tertiary system, Eocene series, TE aquifer, Sparta Sand formation, group SS

Lithology: Sand U.S. Origin: 2 Aquifer Thickness: 91 ft

Length of well open to: 60 ft Depth to top of: 1134 ft A13

MINOR AQUIFER: \_\_\_\_\_ system, \_\_\_\_\_ series, \_\_\_\_\_ aquifer, \_\_\_\_\_ formation, group \_\_\_\_\_

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

Length of well open to: \_\_\_\_\_ ft Depth to top of: \_\_\_\_\_ ft

Intervals Screened: 1134 - 1194

Depth to consolidated rock: \_\_\_\_\_ ft Source of data: \_\_\_\_\_

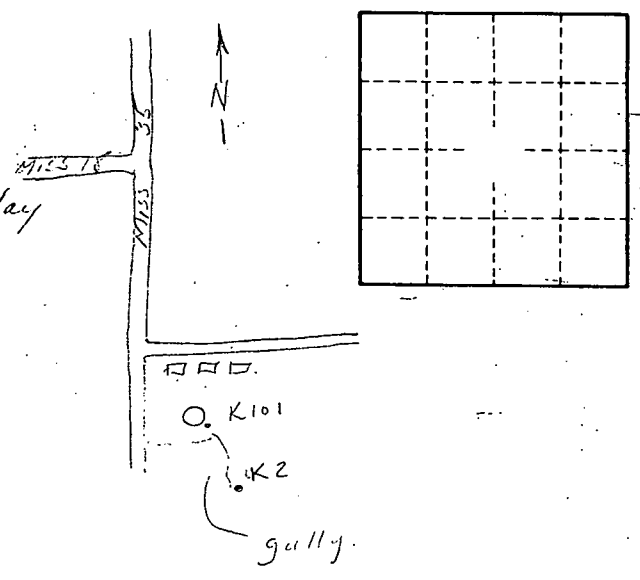
Depth to basement: \_\_\_\_\_ ft Source of data: \_\_\_\_\_

Surficial material: \_\_\_\_\_ Infiltration characteristics: \_\_\_\_\_

Coefficient Trans: \_\_\_\_\_ gpd/ft<sup>2</sup> Coefficient Storage: \_\_\_\_\_

Perm: \_\_\_\_\_ gpd/ft<sup>2</sup>; Spec cap: \_\_\_\_\_ gpm/ft; Number of geologic cards: \_\_\_\_\_

- 255 12 8-66  
5.42  
249.58 fair
- 170-269 Blue Clay
  - 269-278 Rock
  - 278-355 stratified rock & clay
  - 355-381 Sand
  - 381-859 Clay
  - 859-936 sand & shale
  - 936-1025 Clay & shale
  - 1025-1079 Rock
  - 1079-1084 Clay
  - 1084-1090 Rock
  - 1090 1105 Clay
  - 1105 1194 water sand



Well No. K101