

WRD Exp. (GW)
April 1966

Well No. 516

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

MASTER CARD

Record by CJ Source of data Bowc Date 3/26/68 Map _____
 State _____ County (or town) Newton _____
 Latitude: 32 21 35 N Longitude: 08 9 15 24 Sequential number: 1
 Lat-long accuracy: 3 T. 6 S. R. 10 W. Sec. 15 E. 5E 5E
 Local well number: T016AD1506N10E Other number: _____
 Local use: 003 Owner or name: W.A. Bugg
 Owner or name: W.A. BUGG Address: Lawrence, Miss.

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist _____
 (C) (F) (M) (N) (P) (S) (W)

Use of water: Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec. _____
 (A) (B) (C) (D) (E) (F) (H) (I) (M) (N) (P) (R)
 (S) (T) (U) (V) (W) (X) (Y) (Z) _____
 Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other _____

Use of well: Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed. _____
 (A) (D) (G) (H) (P) (R) (T) (U) (W) (X) (Z)

DATA AVAILABLE: Well data _____ Freq. W/L meas.: _____ Field aquifer char. _____
 70 71

Hyd. lab. data: _____ 73

Qual. water data; type: _____ 74

Freq. sampling: _____ Pumpage inventory: _____
 75 yes no, period: _____ 76

Aperture cards: _____ yes _____ 77

Log data: _____ D 78 79

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: _____ ft 104 Meas. _____
 19 20 23 rept accuracy 24 3

Depth cased: _____ ft 98 Casing type: _____; Diam. _____ in _____
 25 28 29 30

Finish: porous gravel w. gravel w. horiz. open perf., screen, sd. pt., shored, open hole, other _____
 (C) (F) (G) (H) (P) (S) (T) (W) (X) (Z) _____
 concrete, (perf.), (screen), gallery, end, _____ 31

Method Drilled: air bored, cable, dug, hyd jetted, air reverse trenching, driven, drive rot., rot., percussion, rotary, wash, other _____
 (A) (B) (C) (D) (H) (J) (P) (R) (T) (V) (W) (Z) _____ 32

Date Drilled: 9-28-66 9:6:6 Pump intake setting: _____ ft _____
 33 35 36 38

Driller: U.L. Welch name _____ address _____
 Lift (type): air, bucket, cent, jet, multiple, multiple, none, piston, rot, submerg, turb, other _____ Deep _____
 (A) (B) (C) (J) (L) (M) (N) (P) (R) (S) (T) (Z) _____ 39 Shallow 40

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. _____ Trans. or meter no. _____
 nat LP _____ 41

Descrip. MP _____ ft above below LSD, Alt. MP _____
 42 45

Alt. LSD: _____ Accuracy: _____
 (source) _____ 47

Water Level: 28 ft above below MP; _____ above below LSD 28 Accuracy: _____
 48 51 52 D

Date meas: 9:6:6 Yield: _____ gpm _____ Method determined _____
 53 55 56 60 61

Drawdown: _____ ft _____ Accuracy: _____ Pumping period _____ hrs _____
 62 64 65 66 68

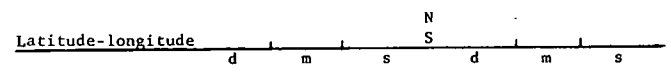
QUALITY OF WATER DATA: Iron _____ Sulfate _____ Chloride _____ Hard. _____
 ppm 69 ppm 70 ppm 71 ppm 72

Sp. Conduct _____ K x 10 _____ Temp. _____ °F _____ Date sampled _____
 73 74 76 77 79

Taste, color, etc. _____

Well No. 516

Well No. J16



HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD 19 Physiographic Province: 03 Section: _____

Drainage Basin: D 22 137 23 Subbasin: _____ 26

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (Ø) (P) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat _____ 27

MAJOR AQUIFER: _____ system, _____ series TE 28 aquifer, formation, group CØ 30

Lithology: _____ 32 Origin: _____ 34 Aquifer Thickness: _____ ft

Length of well open to: _____ ft _____ 38 Depth to top of: _____ ft 7.4 41

MINOR AQUIFER: _____ system, _____ series _____ 44 aquifer, formation, group _____ 46

Lithology: _____ 48 Origin: _____ 50 Aquifer Thickness: _____ ft

Length of well open to: _____ ft _____ 54 Depth to top of: _____ ft _____ 57

Intervals Screened: 98-106 60-70

Depth to consolidated rock: _____ ft _____ 60 Source of data: _____ 64

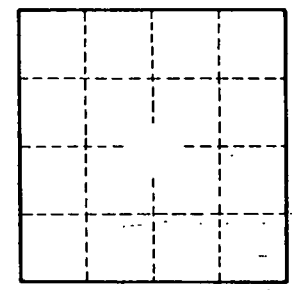
Depth to basement: _____ ft _____ 65 Source of data: _____ 69

Surficial material: _____ 70 Infiltration characteristics: _____ 72

Coefficient Trans: _____ gpd/ft _____ 73 Coefficient Storage: _____ 76

Coefficient Perm: _____ gpd/ft²; Spec cap: _____ gpm/ft; Number of geologic cards: _____ 79

5 miles NW of Lawrence,



Well No. _____