

WRD Exp. (GW)  
April 1966

Well No. A2

### WELL SCHEDULE

Eq # 1

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

#### MASTER CARD

Record by TMS Shows Source of data \_\_\_\_\_ Date 1-18-67 Map Lauderdale Co. Highway

State MISSISSIPPI County (or town) Lauderdale 38

Latitude: 32 deg 29 min 58 sec N Longitude: 088 degrees 50 min 44 sec W Sequential number: 1

Lat-long accuracy: 3 T, 8 S, R 14 W, Sec 34, NE 1/4, NE 1/4

Local well number: 3408 Owner or name: Collinsville uninc.

Local use: 055 Owner or name: Collinsville uninc.

Ownership: County, Fed Gov't, City, (K) Corp or Co., Private, State Agency, Water Dist N

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, (P) Rec., (S) Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other 1

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

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

Hyd. lab. data:

Qual. water data: type USGS Complete 12-6-67

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

Aperture cards:

Log data:

#### WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 692 ft Meas. accuracy 3

Depth cased: (first perf.) 672 ft Casing type: Steel Diam. 10 in

Finish: porous concrete, gravel w. (perf.), (screen), gravel w. horiz. gallery, end, open perf., screen, sd. pt., shored, open hole, other 1

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

Date Drilled: 1965 Pump intake setting: 9:65 ft

Driller: Town Drilling Co., Meridian, Miss.

Lift (type): (A) air, (B) bucket, (C) cert, (J) jet, (L) multiple (cent.), (M) multiple (turb.), (N) none, (P) piston, (R) rot, (S) submerg, (T) turb, other M Deep  Shallow

Power (type): diesel, (elec) nat gas, gasoline, hand, gas, wind, H.P. 15 Trans. or meter no.

Descrip. MP \_\_\_\_\_ above \_\_\_\_\_ below LSD. Alt. MP \_\_\_\_\_

Alt. LSD: 4:60 Accuracy: (source) 5

Water Level: 164 ft above MP; 164 ft below LSD Accuracy: 1 ft

Date meas: 8/65 Yield: 192 gpm Method determined 1

Drawdown: 31 ft Accuracy: rept Pumping period: 6 hrs

QUALITY OF WATER DATA: Iron 39 ppm Sulfate 6 ppm Chloride 0 ppm Hard. 3 ppm

Sp. Conduct 202 K x 10<sup>6</sup> Temp. 72 °C Date sampled 0:67

Taste, color, etc. Field pH 6.6 CO<sub>2</sub> 32 yellow tint, stains

31 ft. dd. @ 192 gpm

BRANCH

COMPUTER

Well No.

47

Well No. A2

Latitude-longitude \_\_\_\_\_  
d m s d m s

HYDROGEOLOGIC CARD

**Physiographic**  
 Province: \_\_\_\_\_ Section: 0:3

**Drainage Basin:** D 1:3:P Subbasin: \_\_\_\_\_

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

**MAJOR AQUIFER:** system \_\_\_\_\_ series TE aquifer, formation, group LW

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

well open to: \_\_\_\_\_ ft 0 top of: \_\_\_\_\_ ft

**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: 672-692 6" screen

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

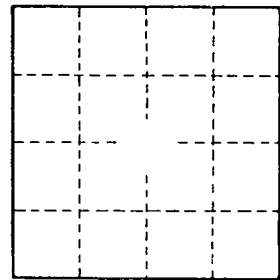
Depth to basement: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

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

Coefficient Trans: \_\_\_\_\_ gpd/ft \_\_\_\_\_ Coefficient Storage: \_\_\_\_\_

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

Well water free of Fe when put in operation  
 After 3 mo. operation Fe problem began. 692  
 Mr. Vance's well is 8 years old and about the same depth. He has not had any trouble with Fe. 712  
 508' of 10 casing cemented



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