

WRD Exp. (GW)
April 1966

Well No. LI

WELL SCHEDULE

LI

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

Test Well E Log #86

MASTER CARD

Record by P.E. Northam Source of data Driv. Date 8-8-66 Map Poplarville Quad

State Mississippi County (or town) Pearl River 5.5

Latitude: 30 deg 45 min 38 sec N Longitude: 089 degrees 35 min 22 sec W Sequential number: 1

Local well number: L001272703516W Other number: B & M

Local use: 074086 Owner or name: Derby Water Assoc

Owner or name: DERBY WA Address: Derby, Miss

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

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (G) Dom, (H) Irr, (I) Med, (J) P S, (K) Rec, (L) Stock, (M) Insti, (N) Unused, (O) Repressure, (P) Recharge, (Q) Desal-P S, (R) Desal-other, (S) Uther C

Use of well: (A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Withdraw, (K) Waste, (L) Destroyed W

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

Hyd. lab. data:

Qual. water data; type: USGS 8/15

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

Aperture cards: yes

Log data: E Log run 12-157 - Hole drilled 1030 ± over D E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1091 ft Meas. rept 1091 accuracy 6

Depth cased: (first perf.) 1075 ft Casing type: 6x4 in Diam. 6

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (I) open end, (J) open perf., (K) screen, (L) sd. pt., (M) shored, (N) open hole, (O) other S

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

Date Drilled: 5-66 9.6.6 Pump intake setting: 105 ft

Driller: W.C. LIMP name address CARRINGTON 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 T Deep 7 Shallow 40

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

Descrip. MP 180 ft above LSD, Alt. MP 5

Alt. LSD: 180 Accuracy: (source) 5

Water Level: over ft above MP; Ft below LSD 54 Accuracy: D

Date meas: 5.66 Yield: 150 gpm Method determined 01

Drawdown: 5.66 ft Accuracy: 150 Pumping period 06 hrs 08

QUALITY OF WATER DATA: Iron 195 ppm Sulfate 2 ppm Chloride 270 ppm Hard. 875 ppm

Sp. Conduct 195 K x 10 2 Temp. 27.0 °F Date sampled 8.7.5

Taste, color, etc. PH = 3.4

FORWARDED AND VERIFIED
ROLLA COMPUTATION BRANCH

Well No.

LI

Well No. 41

Latitude-longitude _____
d m s d m s

HYDROGEOLOGIC CARD

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

D Drainage Basin: 13V Subbasin: _____

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

MAJOR AQUIFER: system _____ series TM aquifer, formation, group M:Z

Lithology: US Origin: 3 Aquifer Thickness: _____ ft

76 Length of well open to: _____ ft 20 Depth to top of: _____ ft A:0:2

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: _____

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

Depth to basement: _____ ft Source of data: _____

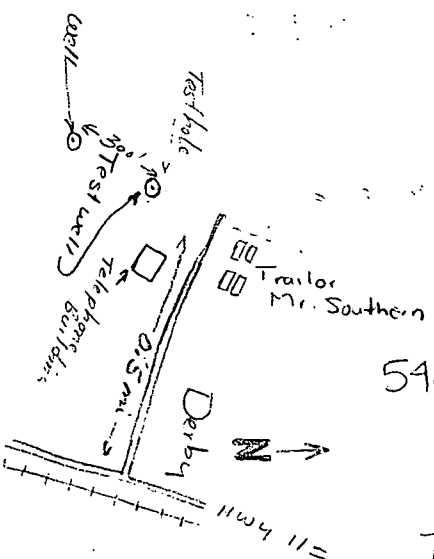
Surficial material: Infiltration characteristics: _____

Coefficient Trans: _____ gpd/ft Coefficient Storage: _____

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

Frank Southern - maint. man.

- 0-15 Clay
 - 15-55 Sd.
 - 55-61 w/c clay
 - 61-120 Sd b/w
 - 120-145 blue clay
 - 145-235 gray sd
 - 235-448 B Clay
 - 448-541 Sd w/gr.
 - 541-510 f sd
 - 510-750 B Clay
 - 750-784 good sd bed with
 - 784-800 sd
 - 800-1015 hard B Shales
 - 1015-1891 Sd fine
- w/c at 784' depth
- w/c at 540' depth 80'



540' { 6.4 CL: 8
 51 alk -
 Cu 44
 Fe.1 hard:

718' 7.7 pH
 .4 Fu

Poplarville Miss →

105 9.7 pH