

John Covington  
5344468

6W755

New Albany E

FORM 9-1642 (1-68) DOM # 730009-01  
GPSd 10/20/98 WW

Well No. H40  
E Log #18

U. S. DEPT. OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION  
WELL SCHEDULE

Water Level  
Feet  
23.82  
WL = 337.99  
1987  
WL = 344.23  
135  
47

MASTER CARD/AL/12/16/71 MSN  
Record by P.E. Grantham Source BOWC Date 10-12-70 Map New Albany East  
of data Driv. + E Log Msp. Sherman Quad

State: Miss County: Union (or town) 7-3

Latitude: 34 26 48 N Longitude: 088 56 48 Sequential number: 1

Lat-long accuracy: 7 T 7 S R 3 E Sec 26 S ESE t. SE t. NE t.

Local well number: H 0 4 0 0 D 2 6 0 7 S 0 3 E Other number: B & M

Local use: 0 6 4 0 1 8 Owner or name: Wallerille Water Assoc

Ownership: County, Fed Gov't, City, State Agency, Water Dist, Private, (M) (N) (P) (S) (W) M

Use of water: (A) (B) (C) (D) (E) (F) (H) (I) (M) (N) (P) (R) P S Rec.

Use of well: (A) (D) (G) (H) (I) (P) (R) (T) (U) (V) (X) (S) W

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

Hyd. lab. data:

Qual. water data; type: USGS 6/72

Freq. sampling:  Pumpage inventory: yes  no  period:

Aperture cards:  yes

Log date: E Log 10-12-70  D E

WELL-DESCRIPTION CARD 7  
SAME AS ON MASTER CARD Depth well: 118.5 ft 117.7 Meas. rept. accuracy 3

Depth cased; (first perf.) 114.7 ft Casing type: Steel Diam. 10, 8 in 1.0

Finish: porous gravel w. concrete, (perf.), (screen), gravel w. (screen), horiz. gallery, open end, (P) (S) (T) (W) (X) (S) 5

Method Drilled: (A) (B) (C) (D) (H) (J) (P) (R) (T) (V) (W) (S) H

Date Drilled: 9 7 0 Pump intake setting: ft

Driller: Singer-Layne Central Div. Memphis, Tenn. (Bob Heriot)

Lift (type): (A) (B) (C) (J) multiple, multiple, (N) (P) (R) (S) (T) (S) 7 Deep  Shallow

Power (type): diesel, elec nat gas, gasoline, hand, gas, wind; H.P. 50  Trans. or meter no.

Descrip. MP 545 2 ft above LSD, Alt. MP 540' Accuracy: (source) 20' 5

Alt. LSD: 540' Water Level 311.20 ft above MP; LSD 329 Accuracy: A

Date meas: 7 8 Yield: 60 gpm 250 Method determined

Drawdown: ft  Accuracy:  Pumping period: hrs

QUALITY OF WATER DATA: Iron  Sulfate  Chloride  Hard.

Sp. Conduct 350 K x 10<sup>6</sup> 3 Temp. 21.5 Date sampled 6 7 2

Taste, color, etc. USGS field pH = 7.9

PUNCHED

Well No. H40

11/11/92  
400  
37 570  
363 940  
-2.0 360.60  
-2.0  
365.00  
-2.25  
362.75  
360.75 11-11-92  
Time 2009pm

Well No. H 40

Latitude-longitude

N  
S

HYDROGEOLOGIC CARD

1 SAME AS ON MASTER CARD 19 Physiographic Province: 0:3 Section: \_\_\_\_\_

22 D Drainage Basin: 1:5:4 Subbasin: \_\_\_\_\_ 26

(D) (C) (E) (F) (H) (K) (L)  
 Top of well site: depression, stream channel, dunes, flat, hilltop, sink, swamp,  
 (4) (P) (S) (T) (U) (V)  
 offshore, pediment, hillside, terrace, undulating, valley flat. 27 5

MAJOR AQUIFER: \_\_\_\_\_ system \_\_\_\_\_ series K:3 93 = ZINBUTON aquifer, formation, group \_\_\_\_\_ 30 31 2:0

Lithology: \_\_\_\_\_ 32 G Origin: \_\_\_\_\_ 33 2 Aquifer Thickness: \_\_\_\_\_ ft

35 1:5 Length of well open to: \_\_\_\_\_ ft 36 3:0 Depth to top of: \_\_\_\_\_ 37 1154 ft 38 A:0:5

MINOR AQUIFER: \_\_\_\_\_ system \_\_\_\_\_ series \_\_\_\_\_ 44 45 aquifer, formation, group \_\_\_\_\_ 46 47

Lithology: \_\_\_\_\_ 48 49 Origin: \_\_\_\_\_ 50 \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

51 \_\_\_\_\_ Length of well open to: \_\_\_\_\_ ft 52 \_\_\_\_\_ Depth to top of: \_\_\_\_\_ ft 53 \_\_\_\_\_

Intervals Screened: 8" S.S.

Depth to consolidated rock: \_\_\_\_\_ ft 60 \_\_\_\_\_ Source of data: \_\_\_\_\_ 64

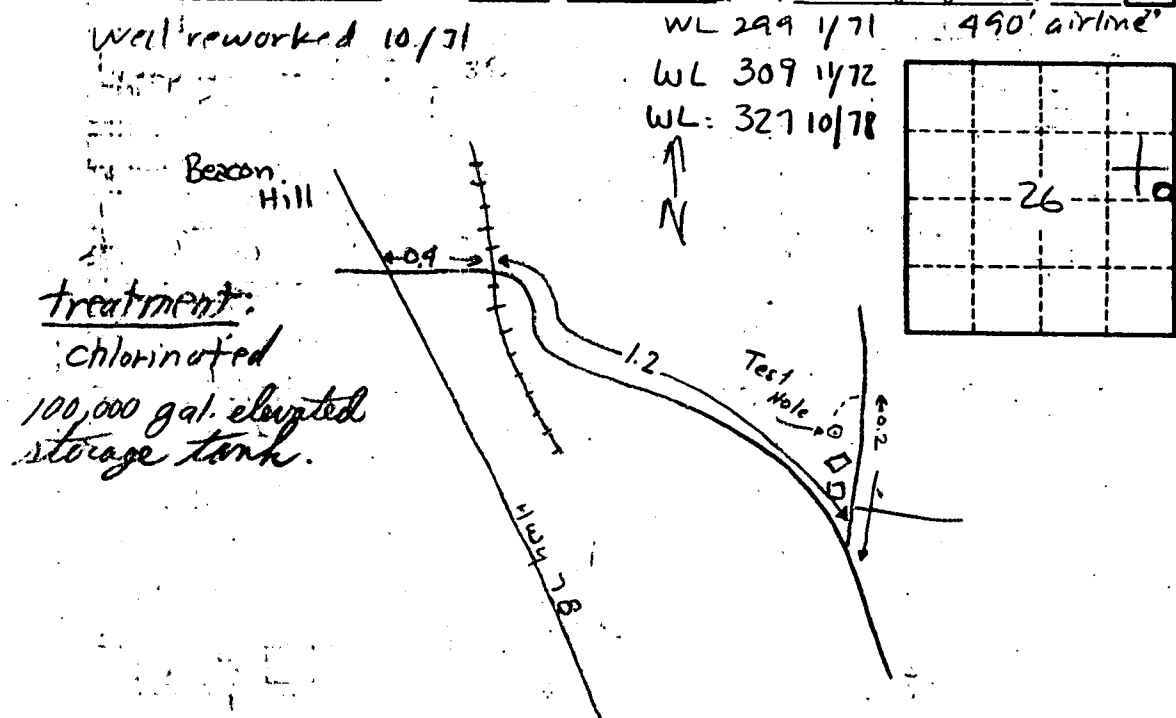
Depth to basement: \_\_\_\_\_ ft 65 \_\_\_\_\_ Source of data: \_\_\_\_\_ 69

Surficial material: \_\_\_\_\_ 70 71 Infiltration characteristics: \_\_\_\_\_ 72

Coefficient Trans: \_\_\_\_\_ gpd/ft 73 \_\_\_\_\_ Coefficient Storage: \_\_\_\_\_ 76 78

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

GORD



Well No.

H 40

MISSISSIPPI STATE BOARD OF HEALTH

REPORT OF PHYSICAL AND CHEMICAL WATER ANALYSIS

Owner Wallerville Water Assoc. Location Well No. 1, at elevated tank  
 County Union Date Well Constructed 1971 Depth 1185'  
 Pump Capacity 240 gpm. @ 45psi. Casing Size 10" Screen Size 6"  
 Screen Length 50' Static Level -300' Drawdown 120' @ 232 gpm.  
 Protection Adequate Source of Well Data Thomas W. Elliott  
 Collected by B. R. Redding Date Collected 5-30-73 Date Analyzed 6-6-73

PHYSICAL CHARACTERISTICS

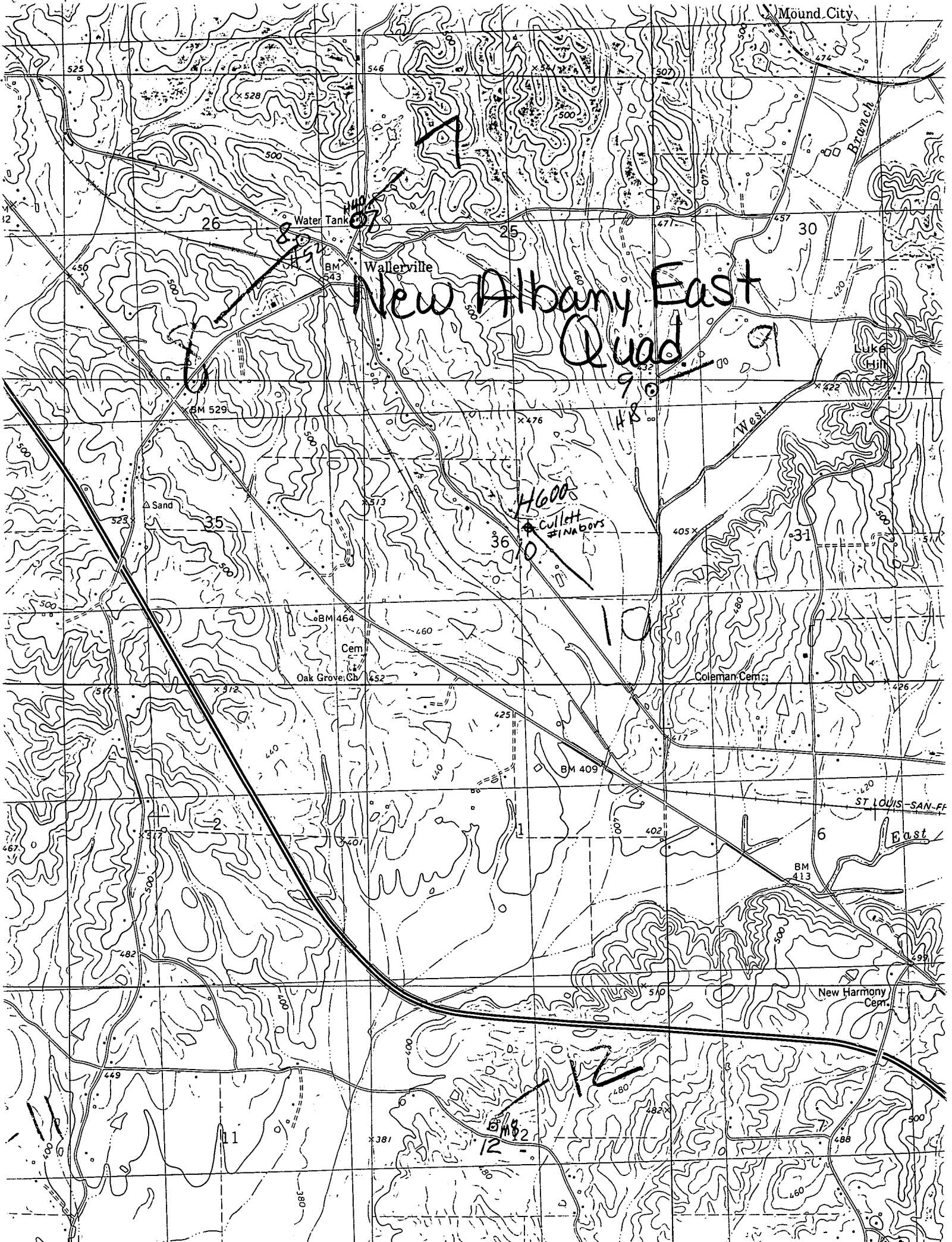
Turbidity 0 Color <5  
 Temperature 68° F. Odor none

CHEMICAL CHARACTERISTICS

pH <u>7.9</u>	Free Carbon Dioxide <u>3</u> mg/l
Alkalinity (P) as CaCO <sub>3</sub> <u>0</u> mg/l	Iron as Fe <u>trace</u> mg/l
Alkalinity (Total) as CaCO <sub>3</sub> <u>111</u> mg/l	Magnesium as Mg <u>9.88</u> mg/l
Chloride as Cl <u>54</u> mg/l	Manganese as Mn _____ mg/l
Sulfate as SO <sub>4</sub> <u>11.69</u> mg/l	Calcium as Ca <u>34.17</u> mg/l
Fluoride as F <u>0.1</u> mg/l	Sodium as Na <u>35</u> Potassium as K <u>3.5</u> mg/l
Nitrogen as NO <sub>2</sub> _____ mg/l	Silica as SiO <sub>2</sub> _____ mg/l
Nitrogen as NO <sub>3</sub> _____ mg/l	Total Dissolved Residue <u>214.01</u> mg/l
Nitrogen as NH <sub>3</sub> _____ mg/l	Total Hardness as CaCO <sub>3</sub> <u>126.00</u> mg/l

REMARKS: cc: Mr. H. L. Foley, Consulting Engr., New Albany ✓  
 Singer-Layne Central, Memphis  
 Dr. R. L. Wyatt, CHO, New Albany  
 FHA County Supervisor, New Albany  
 Mr. J. A. Thornton, Pres., Route 1, Hwy. 78 E., New Albany





New Albany East Quad

H600  
Cullett #1 NA005

8  
H8

9  
H9

10  
H10

11  
H11

12  
H12

New Harmony Cem.

Wallerville

Water Tank

Cem.

Oak Grove Cb

Coleman Cem.

Luke Hill

ST LOUIS-SAN-FR

East

West Branch

West

32

31

30

29

28

27

26

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24

23

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19

18

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543

500

500

471

457

BM 529

x 276

523

505

553

500

405

422

420

500

500

460

460

405

480

500

511

512

452

425

409

417

426

467

517

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420

x 385