

DOT# 80005-01
GW-13625

Betheden Quad
JUN 28 1975

WRD Exp. (GW)
April 1966

Well No. F2

WELL SCHEDULE

E-log #14

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Record by R. Newcome Source of data MBOWC Date 3/28/66 Map 768
C. Jessup of data MSGs 8/21/67

State Miss 3 County 28 (or town) Winston 39 Sequential number: 80
 Latitude: 33° 08' 48" N Longitude: 088° 58' 54" W
 Lat-long accuracy: 20' T. 15 S. R. 13 W. Sec. 16 SWNE NW SW SWW
 Local well number: F002001615N13E Other number: Formerly B & M

NL Data
11/15/82
NL=48.58

Local use: 000014 Owner or name: Northeast Water Assoc
 Owner or name: LOUISVILLE Address: Louisville, Miss.
 Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist N

12/16/88
WL=47.22

Use of Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, water: (P)
 Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other P
 Use of Anode, Drain, Seismic, Heat Res, Ots, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed well: (W)

DATA AVAILABLE: Well data Freq. w/L meas.: Field aquifer char.
 Hyd. lab. data:
 Qual. water data; type: (P) MSBOW ANAL 7-29-67 / USGS 3-18-70
 Freq. sampling: Pumpage inventory: yes no; period: yes

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 151 ft Meas. 151 Rept. 3
 Depth cased: 111 ft Casing type: Steel Diam. 12.6 in
 Finish: porous gravel v. concrete, (perf.), (screen), (galler), end, (H) horiz. open perf., (T) screen, sd. pt., shored, open hole, other S
 Method Drilled: air bored, cable, dug, hyd jetted, air rot., (J) jetted, (R) reverse, (T) trenching, (V) driven, (W) drive wash, other H
 Date Drilled: Feb. 1966 9.6.6 Pump intake setting: 189' ft
 Driller: J.H. McDonald (test hole), Layne-Central (well)
 Lift (type): air, bucket, cent, jet, multiple, multiple, none, piston, rot, submerg, turb, other M Deep 1 Shallow 40
 Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 10 Trans. or meter no. 0

Descrip. MP Access hole which is ft above LSD, Alt. MP 510
 Alt. LSD: 510 Accuracy: 5
 Water Level 51.60 ft above/below MP; Ft above/below LSD 50 Accuracy: A
 Date meas: 3.70 Yield: 136 gpm Method determined 4
 Drawdown: 0.12 ft Accuracy: 0 Pumping period 7 hrs
 QUALITY OF WATER DATA: Iron 0.12 ppm Sulfate 0 ppm Chloride 2.6 ppm Hard. 7 ppm
 Sp. Conduct 28 K x 10⁶ Temp. 18.0 °F Date sampled 3.70
 Taste, color, etc. Field pH=5.5

PUNCHED and VERIFIED
ROLLA COMPUTATION BRANCH

Well No.

F2

DS=28

Well No. F2

Latitude-longitude _____
N
S
d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD 0.3 Physiographic Province: _____ Section: _____

D Drainage Basin: 1.3.7 Subbasin: _____

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

MAJOR AQUIFER: TE system _____ series _____ aquifer, formation, group LW

Lithology: U.S Origin: 2 Aquifer Thickness: 68 209 ft. Drilline?

Length of well open to: 168 ft. Depth to top of: 410 ft. 8.5 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: 111'-151' 6" ss 7.5 det

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

Depth to basement: _____ ft. Source of data: _____

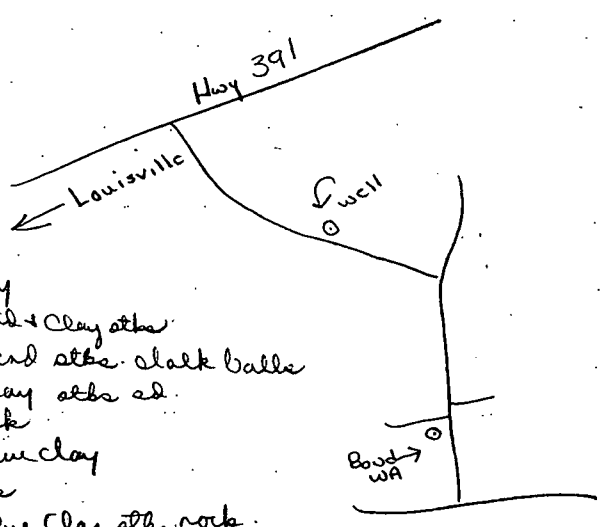
Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: 30,000 gpd/ft. Coefficient Storage: -

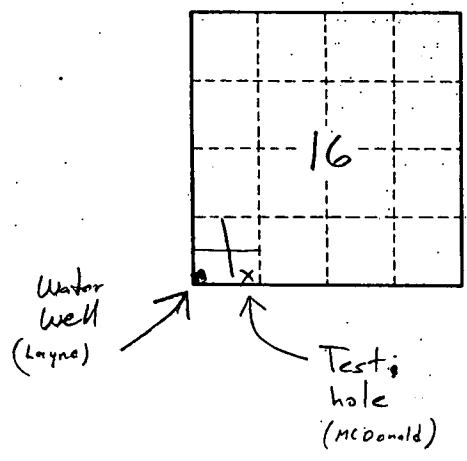
Perm: 210 gpd/ft.²; Spec cap: 5.2 gpm/ft.; Number of geologic cards: _____

Test results questionable

154 gpm (1 day)



- 22-22 Clay
- 85-63 sand + Clay atbs
- 153-68 - sand atbs. chalk balls
- 179-76 Clay atbs ad.
- 180-1 rock
- 195-15 blue clay
- 196-1 rock
- 221-25 Blue Clay atbs rock.



Well No. F2

Driller rpts WL 46 ft in 1966

2 197

El log # 14

Winston
FL
5-67
Elc Log

MISSISSIPPI CODED
 BOARD OF WATER COMMISSIONERS
 416 North State Street
 Jackson, Mississippi 39201

WATER WELL DRILLERS LOG

5-26 1967 Layne-Central Co Winston
 date well completed firm name county well located

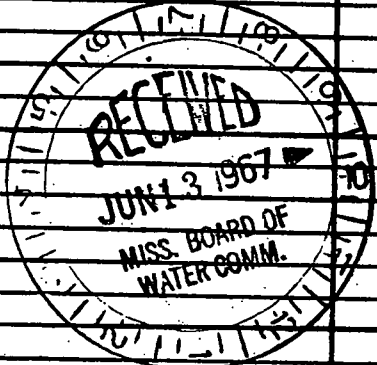
LANDOWNER: <u>Northwest Water Association Inc</u>	description of formations encountered	from	to
<u>Louisville, Miss</u> (mailing address)			
	Clay	0	22
	SAND & STRS. OF CLAY	22	85
	SAND, FEW STRS. OF CHALK	85	153
	CLAY STRS. OF SAND	153	179
	ROCK	179	180
	Blue Clay	180	195
	ROCK	195	196
	Blue Clay, STRS. OF ROCK	196	221

WELL LOCATION: NW NW
16 sec 21 T 15 S R 13 W
6 miles East of Louisville
 (distance) (direction) (nearest town)

WELL PURPOSE: Domestic
 (home, irrigation, municipal, industrial)

WELL COMPLETION DATA:

- (1) diameter (inches) 12
- (2) total depth (feet) 158
- (3) static water level (feet) 46 below above top of ground.
- (4) casing steel, 103'
(material) (depth)
12"
(size) If telescope see back.
- (5) screen 40', 111'
(length) (depth to top)
6", Stainless Steel
(size) (material)
- (6) pump 15 (HP) (yield gpm)
Electric
(type power)
- (7) electric log yes
(yes or no)
MISS. GEOLOGICAL SURVEY
(organization running log)
- (8) how well bottom plugged Slugs



DRILLERS REMARKS:
TEST NOT RUN AS OF
This date

Ⓢ

If well telescopes please sketch and show depths.

GROUND LEVEL

SECTION 16

Please indicate well location X.

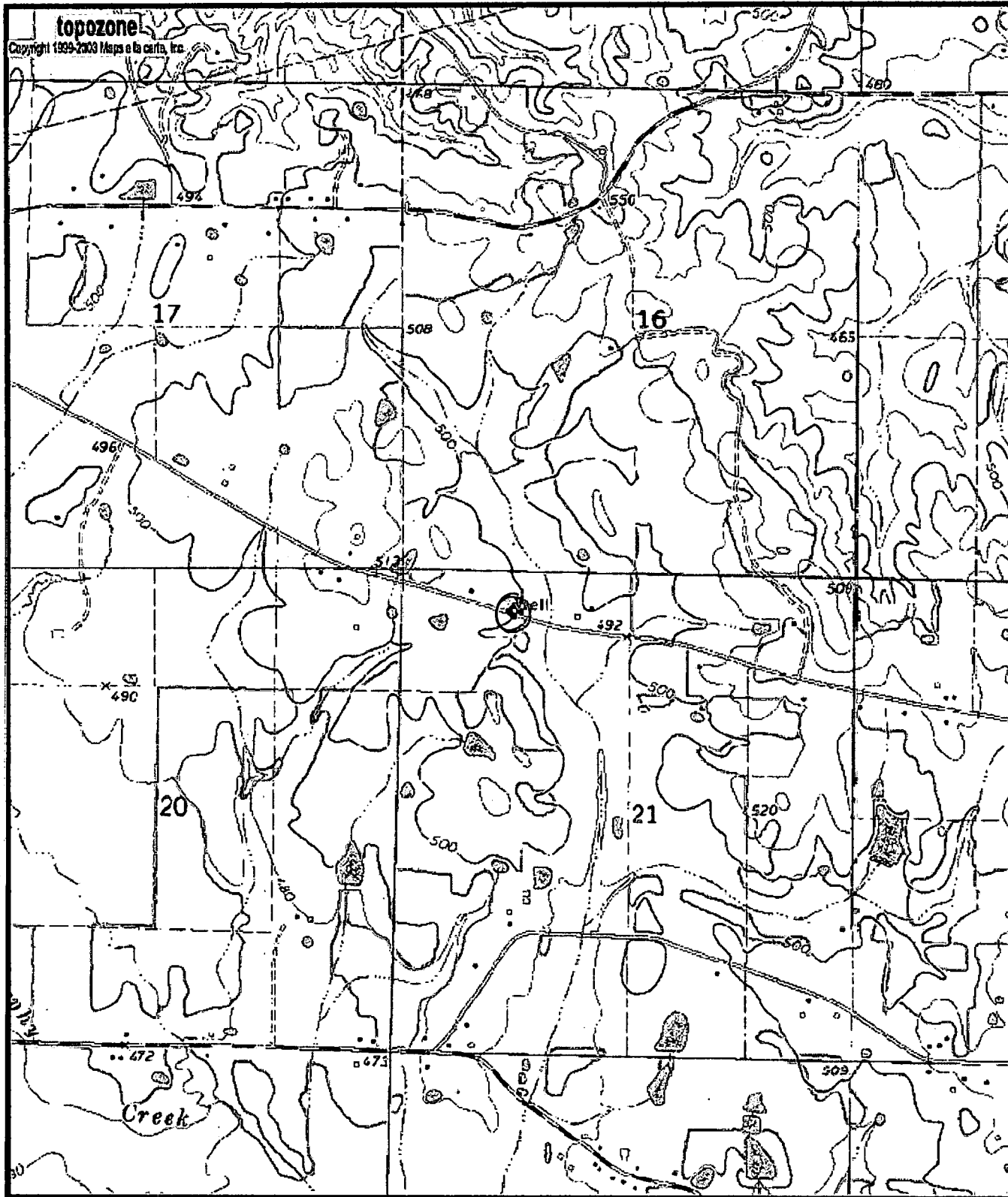
ADDITIONAL INFORMATION

If more than one screen, show locations of each on sketch.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hornbeak DATE: 11/7/96
UNIT DEQ #: 82859 FILE #: B110721B
HEALTH DEPT. #: 800005-01 ELEV. _____
USGS #: F2 OLWR #: GW-13625
OWNER: Northeast - Winston w/A QUAD: Betheden
LOCATION: NW-NW S 21 T 15N R 13E COUNTY: Winston
LOCATION DESCRIPTION: AT Plant + Tank on North side of McLeod Rd.
1.65 mi. SE of Fork Intersection with Brooksville Rd.
CASING DIA: 12" PUMP TYPE & SIZE: Submersible (NE of Louisville)
GPS FIELD LOCATION: LAT. 33° 08' 38.6" LONG. 88° 58' 41.6"
GPS CORRECTED LOCATION: LAT. 33.14428150 LONG. 88.97832812
REMARKS: GPS at Well.



Map center is 33.1443°N, 88.9783°W (WGS84/NAD83)

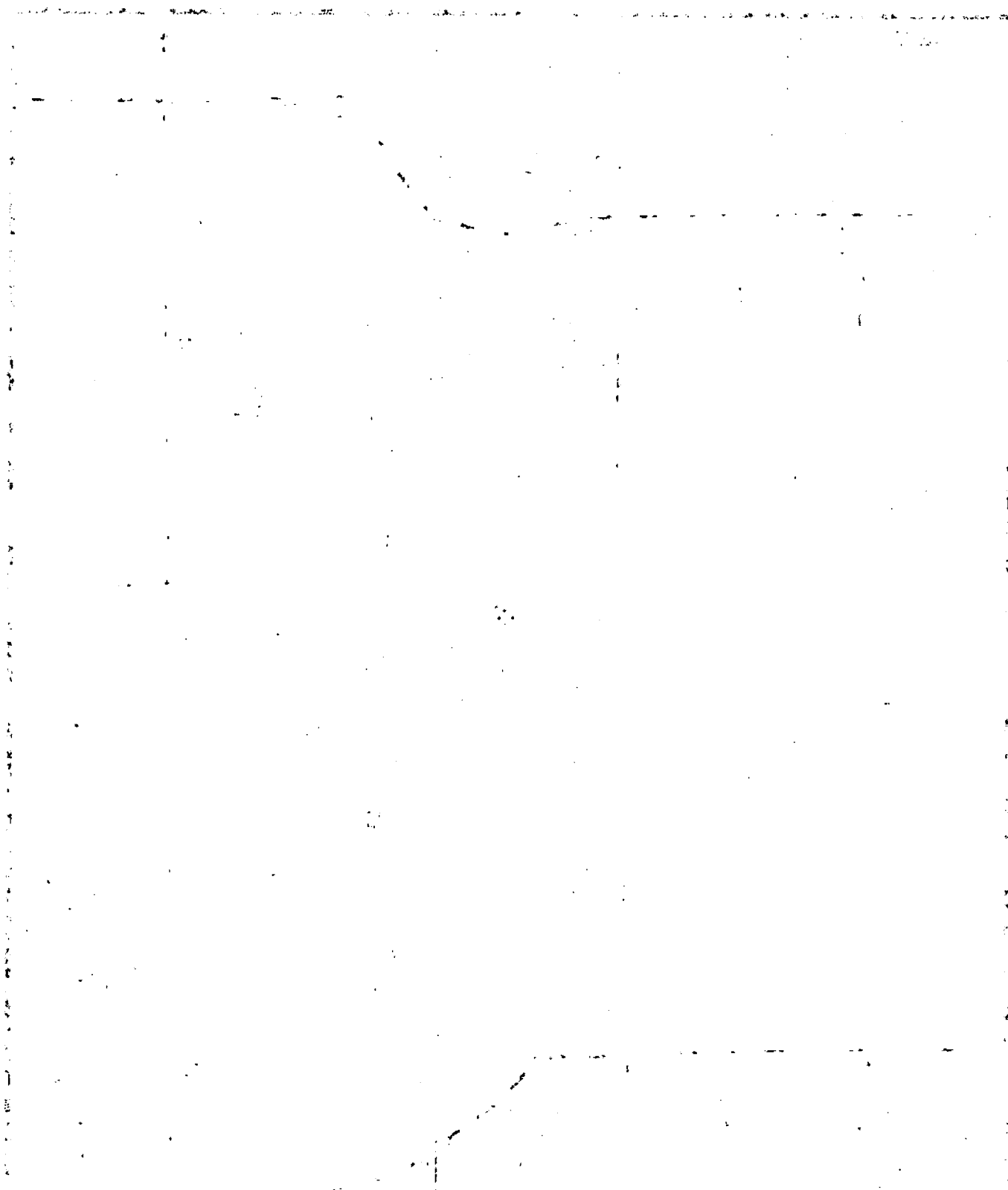
Betheden quadrangle

Projection is UTM Zone 16 NAD83 Datum

M=-0.504
G=-1.082

DOH - 800005-01

GW - 13625



FEDERAL BUREAU OF INVESTIGATION
 WASHINGTON, D. C. 20535
 DEPARTMENT OF JUSTICE