SE Pontotoc
GW520

WRD Exp. (GW)
April 1966

Well No. M13
Elog # 26

WELL SCHEDULE

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

MASTER CARD

Record by JAR P.E. Grantham — Source of data Bowc Drlr. & E Log — Date 12/3/71 8-30-68 — Map Troy NE

State Mississippi [28] — County (or town) Pontotoc [58]

Latitude: 340746 N — Longitude: 088534 — Sequential number: 1

Lat-long accuracy: 2 — T. 11 S R 4 W, Sec 17 SW/SW ¼, NE ¼, NE ¼ — B & M

Local well number: M013AA171504E — Other number:

Local use: 021026 — Owner or name: Troy Water Assoc.

Owner or name: TROY W A — Address: Well #1

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

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

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

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

Hyd. lab. data:

Qual. water data; type: USGS 11/10/71 — C

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

Aperture cards: yes

Log data: E Log 608-1126 T.D. 1180 — D E

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD — Depth well: 1160 ft — 1160 — Meas. rept accuracy — 3

Depth cased (first perf.): 990 ft — 990 — Casing type: Steel; Diam. 8x4 in — 8

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

70.012

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

Date Drilled: 8-68 — 968 — Pump intake setting: ft

Driller: Herndon Homan (W) Assoc. (name) Shannon, Miss (address)

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

Power (type): diesel, elec, gas (nat), gasoline, hand, gas (LP), wind; H.P. 30 — ✓ — Trans. or meter no.

Descrip. MP ✓ ft above/below LSD. Alt. MP

Alt. LSD: 490 — 490 — Accuracy (source): 10' CI — 4

Water Level ft above/below MP; Ft above/below LSD — 293 — Accuracy: — D

Date meas: 3-68 — Yield: gpm — 120 — Method determined

Drawdown: ft — Accuracy: — Pumping period hrs

QUALITY OF WATER DATA: Iron ppm — Sulfate ppm — Chloride ppm — Hard. ppm

Sp. Conduct 390 K x 10^6 — Temp. 22.0°C °F — 220 — Date sampled 11/10/71 — N 71

Taste, color, etc. Field pH 6.9, Clear
Lab pH 6.9
MB1 Field 8.2 ← Best

Well No. M 13

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Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: 03 (20–21) Section:

D (22) Drainage Basin: 13E (23–25) Subbasin: (26)

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

MAJOR AQUIFER: system, series K3 (28–29) Ez & G0 (30–31) aquifer, formation, group

Lithology: US (32–33) Origin: 6 (34) Aquifer Thickness: ft

180 (35–37) Length of well open to: ft 70 (38–40) Depth to top of: ft 980 (41–43)

MINOR AQUIFER: system, series (44–45) aquifer, formation, group (46–47)

Lithology: (48–49) Origin: (50) Aquifer Thickness: ft

(51–53) Length of well open to: ft (54–56) Depth to top of: ft (57–59)

Intervals Screened: 990-1000 1046-1066 1094-1114 1140-1160

Depth to consolidated rock: ft (60–63) Source of data: (64)

Depth to basement: ft (65–68) Source of data: (69)

Surficial material: (70–71) Infiltration characteristics: (72)

Coefficient Trans: gpd/ft (73–75) Coefficient Storage: (76–78)

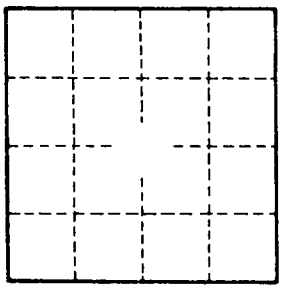
Coefficient Perm: gpd/ft^2; Spec cap: gpm/ft; Number of geologic cards: (79)

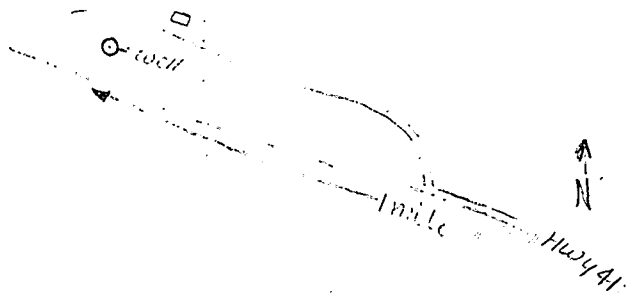
8" to 612'
4" - 60'
70'0.4' SSS .012gp.

See photo

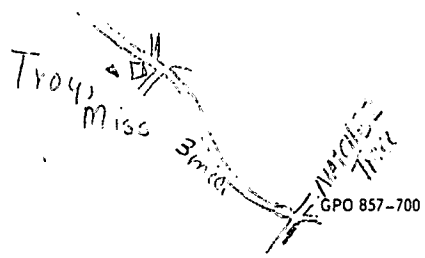
5000-gal tank
No treatment

Cannot meas. w/L 11/10/71 GND





35 Rd cly
59 Blu sd
555 Blu cly
588 Rd cly
976 Wh chalk
980 Gummy blu cly
1160 sd
1150 Blu cly



Well No. M13

GPO 857-700

13E

Pontotoc
M13
12-68
U.S.G.S.

CODED CODED

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

CODED CODED

WATER WELL DRILLERS LOG

1968 — date well completed

Herndon-Homan Well & Supply, Inc. — firm name

P.O. Box 42
SHANNON, MISSISSIPPI 38868

Pontotoc — county well located

LANDOWNER: Troy Water Association

Pontotoc, Mississippi (mailing address)

WELL LOCATION: SW¼ NE¼ NE¼

sec. 17 T 11 N S R 4 E W

1 (distance) miles West (direction) of Troy (nearest town)

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

WELL COMPLETION DATA:

(1) diameter (inches) 8"

(2) total depth (feet) 1180

(3) static water level (feet) 293 below ~~above~~ top of ground.

(4) casing steel (material), 612' (depth), 8" (size) if telescope see back.

(5) screen 70' (length), 990' (depth to top), 4 (size), S/S (material)

(6) pump 30 (HP) 120 (yield gpm) electric (type power)

(7) electric log yes (yes or no) USGS (organization running log)

(8) how well bottom plugged plugged

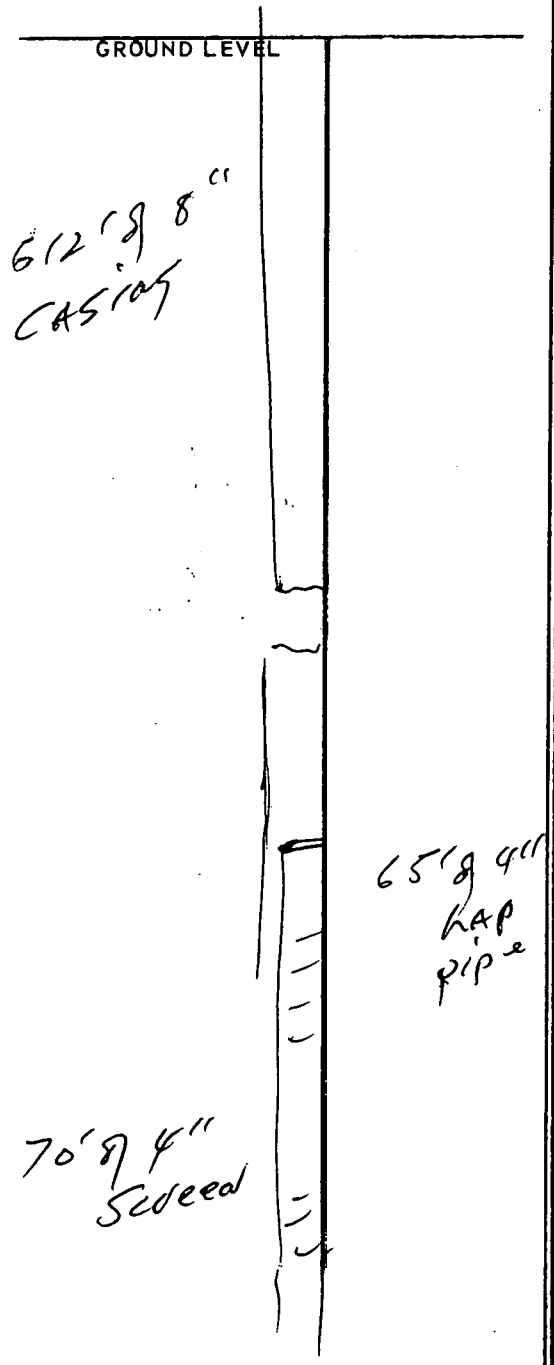
DRILLERS REMARKS: Well # M13

description of formations encountered	from	to
Red Clay	0	3
Blue Stand	35	3
Blue Clay	39	55
Red Clay	555	58
White Chalk	586	9
Common Blue Clay	976	98
Sand	980	11
Blue clay	1160	118
Bottom	1180	

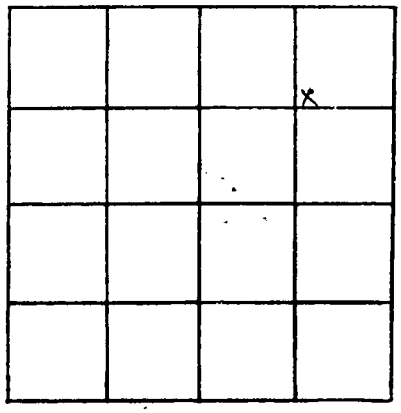
CODED CODED CODED CODED CODED CODED CODED CODED

If well telescopes please sketch and show depths.

GROUND LEVEL



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



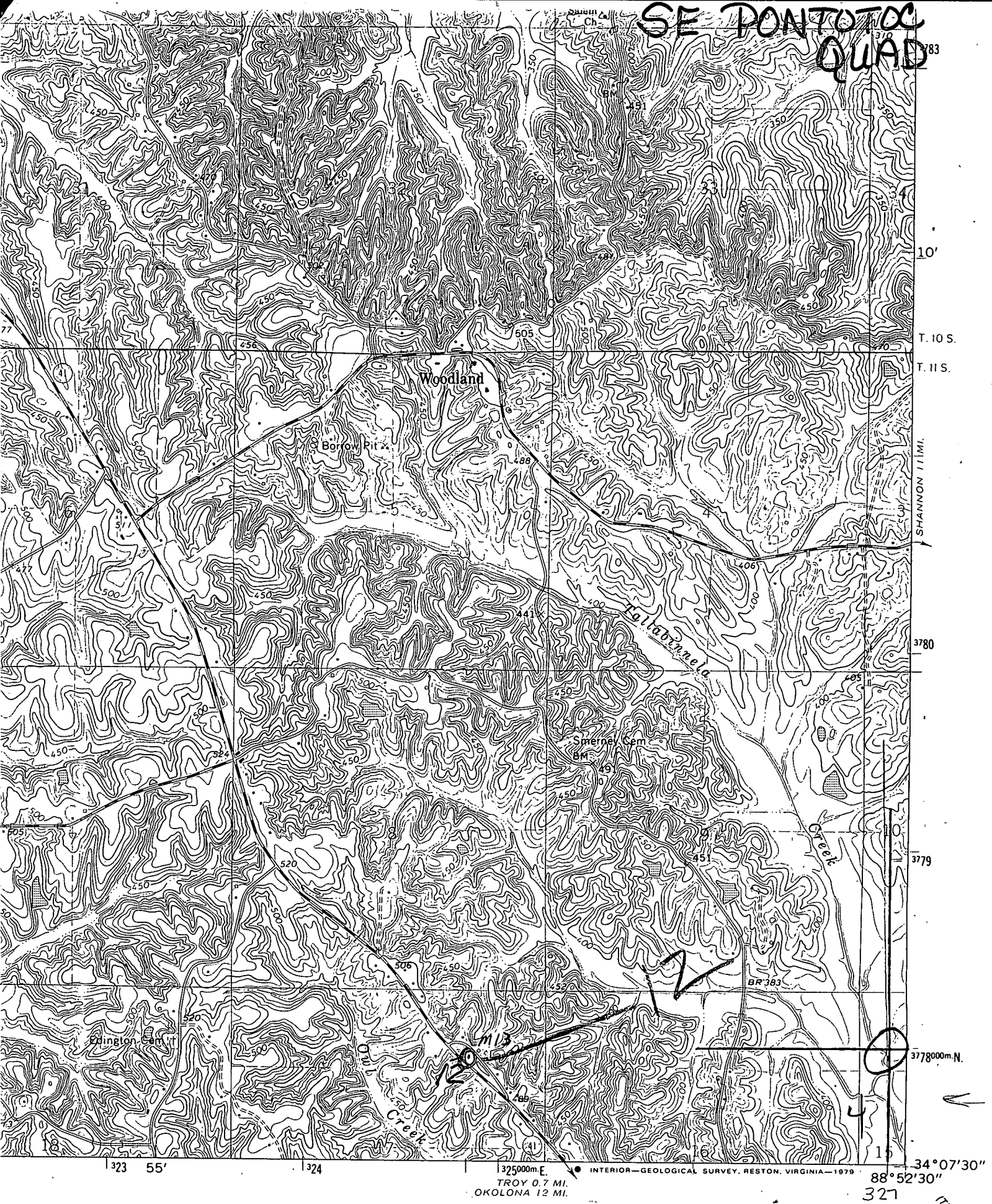
SECTION 17

Please indicate well location X.

ADDITIONAL INFORMATION

DEC 5 1968
MASS. BD. OF WATER COMM.

SE PONTOTOC QUAD



1 MILE

7000 FEET

OMETER

4E

ROAD CLASSIFICATION

Medium-duty

Light-duty

Unimproved dirt

State Route