

Front St. 6W6819

H 42

Tupelo

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

0410015-06

E Log 29

MASTER CARD

Record by P.E. Grantham Source of data E Log - Dr. Date 7-20-66 Map Tupelo 2041.

State Mississippi County Lee Sequential number 41

Latitude: 34 15 36 N Longitude: 088 42 10 W

Local well number: 40420A3109S06E

Local use: 064026 066 1.5

Owner or name: TUPELO Address: Tupelo, Miss Front St.

Ownership: City, Corp or Co, Private, State Agency, Water Dist

Use of water: Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec.

Use of well: Anode, Drain, Seismic, Heat Res, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed.

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

Hyd. lab. data: Qual. water data; type: Freq. sampling: Pumpage inventory: Aperture cards: Log data: E. Log D Log

WELL-DESCRIPTION CARD SAME AS ON MASTER CARD Depth well: 562 ft Meas. rept. accuracy 3

Depth cased; (first perf.): 510 ft Casing type: 16x10 in

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

Method Drilled: air bored, cable, dug, hyd. jetted, air percussion, rotary, reverse trenching, driven, drive wash, other

Date Drilled: July 1966 Pump intake setting: 42.9 ft

Driller: Layne Central Co. (Dud McCallum) Memphis Tenn

Lift (type): air, bucket, cent, jet, multiple, multiple, nose, piston, rot, submerg, turb, other

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P.

Descrip. MP air vent at 3 ft below LSD, Alt. MP

Alt. LSD: 280' Accuracy: (source) 5

Water Level: 167 ft above MP; Ft below LSD 164 Accuracy: 350 Method determined

Date meas: 8-16-66 Yield: 360 gpm Pumping period: 0 hrs

Drawdown: Accuracy: Hard.

QUALITY OF WATER DATA: Iron Sulfate Chloride Hard.

Sp. Conduct K x 10 Temp. Date sampled

Taste, color, etc.

1/16/82 WL = 211.79 1987 WL = 239.1

5/21/91 Obstruction at 240' Could not see true CD.

220' Fall 240.02 Cut 23.29 MP 216.71 1.75 214.96

1978 WL = 238.

UNSMITTED FOR ADP

WELL NO.

H 42

Well No. H 42

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

HYDROGEOLOGIC CARD

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

Drainage Basin: D **Subbasin:** 13C

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (P) offshore, pediment, hillside, (S) terrace, (U) undulating, valley flat

MAJOR AQUIFER: system _____ series K3 aquifer, formation, group GORDO

Lithology: G **Origin:** 2 **Aquifer Thickness:** 60 ft

Length of well open to: 60 ft **Depth to top of:** 50 ft 482 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: 50' 10" screen from 510-560'

Depth to consolidated rock: 603 ft **Source of data:** DRILLER + E LOG

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

Surficial material: _____ **Infiltration characteristics:** _____

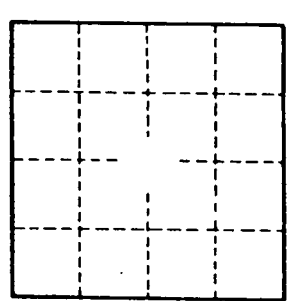
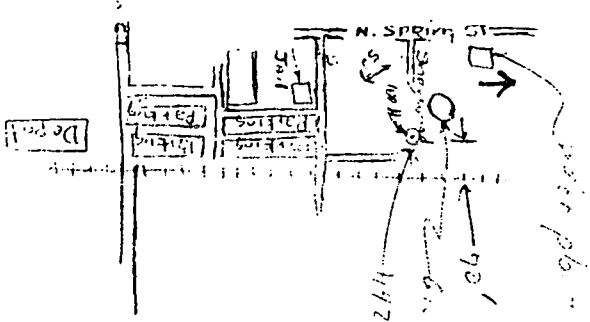
Coefficient Trans: _____ **Coefficient Storage:** _____

Perm: 83 **Spec cap:** 1.5 **Number of geologic cards:** _____

W/L 171.90 10-3-67 TD 965 ft
 203.6 3-1-68
 H42 off 45 min

- 0-12 Clay
- 12-17 sd
- 17-83 Clay
- 83-85 Rock
- 85-204 Hard blue Clay
- 204-235 sd/clay
- 235-400 sd + sh slt
- 400-460 sh + sd slt
- 460-508 1/4" Gumbo
- 508-510 lim
- 510-521 sh + sd slt
- 521-550 chert + sd slt
- 550-551 chert
- 551-558 chert
- 558-567 Rock
- 567-574 chert
- 574-576 led
- 576-603 Sandstone + sh slts
- 603-608 led

Topo map



Well No.

H 42

Observation Well

Q

County Lea

Well No. H 42

Owner's Name Tupelo

Location Tupelo
(town)

0.2 mi NE
(miles and direction from center of town)

Other description on SE corner of water & light lot next to RR.

Depth 562 Diameter 16 Date drilled _____

Formation see log

Elev. of lsd 250 Recorder _____ Type _____ No. _____

M.P. div vent in E side of pump at 3.0 ft ^{above} below lsd. Date 1974

M.P. _____ at _____ ft ^{above} below lsd. Date _____

M.P. _____ at _____ ft ^{above} below lsd. Date _____

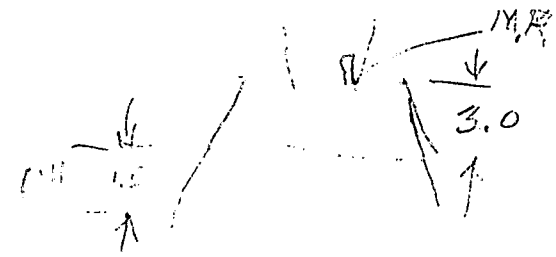
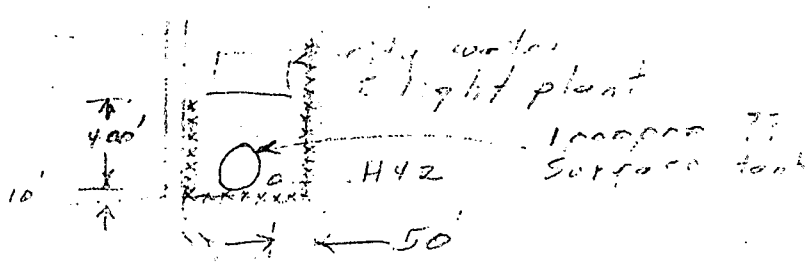
Special Have permission to turn on well if it is running.

Turn screw auto to operate well 10 minutes to week.

Check at utility company office

Water Level 175-220 (1974)

Sketch of location _____ Sketch of well head _____



400'
10'
Tupelo
G.M.F.R.R.

3/9/93
WL = 207.

277.
11.96
258.04
- 3.00
255.04

Lee
H 12
8-66

MISSISSIPPI BOARD OF WATER COMMISSIONERS

WATER WELL DRILLERS LOG

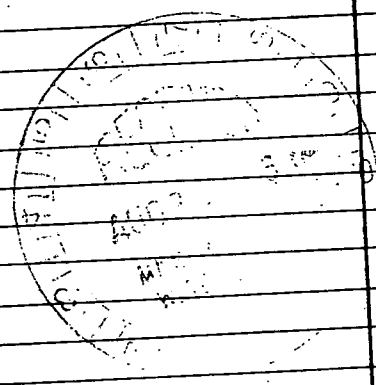
Date: 8-16-, 1966, Driller: Layne-Central Co. County Lee

(Name)

	Description & Color of Materials Sand, Clay, Red Clay, Shell, etc.	Thick- ness Feet	Depth Feet
(1) Owner of Land: <u>City of Tupelo</u> <small>(Name)</small> <u>Tupelo, Mississippi</u> <small>(Address)</small>	Clay	0	12
	sand	12	17
	clay	17	83
	rock	83	85
(2) Location: $\frac{1}{4}$, $\frac{1}{4}$, Sec. <u>T</u> <u>R</u> , <u> </u> miles <u> </u> of <u> </u> <small>(distance) (direction) (Nearest Town)</small>	hard blue clay	85	244
	sand clay	244	335
	sand-shale st.	335	400
	shale-sand st.	400	460
(3) Topography: <u> </u> <small>(Hilly) (Flat) (Level)</small>	hard gumbo	460	508
	rock	508	510
(4) Purpose of Well: <u>Municipal</u> <small>(Domestic Irrigation Municipal, Industrial, Other)</small>	shale-sand st.	510	521
	chert-shale st.	521	530
	rock	530	531
Information upon completion of well:			
(1) Diameter <u>16</u> inches.			
(2) Total Depth <u>562'</u> feet.			
(3) Water Level <u>167</u> feet below top of ground.			
(4) Cased to <u>501'</u> , Size <u>16"</u>			
(5) Screen: Size <u>10"</u> , Length <u>50'</u>			
(6) Were any formations sealed against pollution? <u>X</u> yes, <u> </u> no. If YES depth of formation <u>501'</u> Why <u> </u> required			
Drillers Remarks: <u> </u> <u> </u> <u>350</u>			

Excess (Tubs)

Gard.



(Use Back Side)

Well No.

Mail this copy to Board of Water Commissioners 429 Miss. St. Jackson, Miss.

4

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Phillips/Jennings DATE: 4/26/94
UNIT DEQ #: 82857 FILE #: B042618A
HEALTH DEPT. #: 410015-06 ELEV. 280
USGS #: H42 OLWR #: GW6819
OWNER: Tupelo Quad: Tupelo
LOCATION: SE / NE S 31 T 9S R 6E COUNTY: Lee
LOCATION DESCRIPTION: Front St (water office)

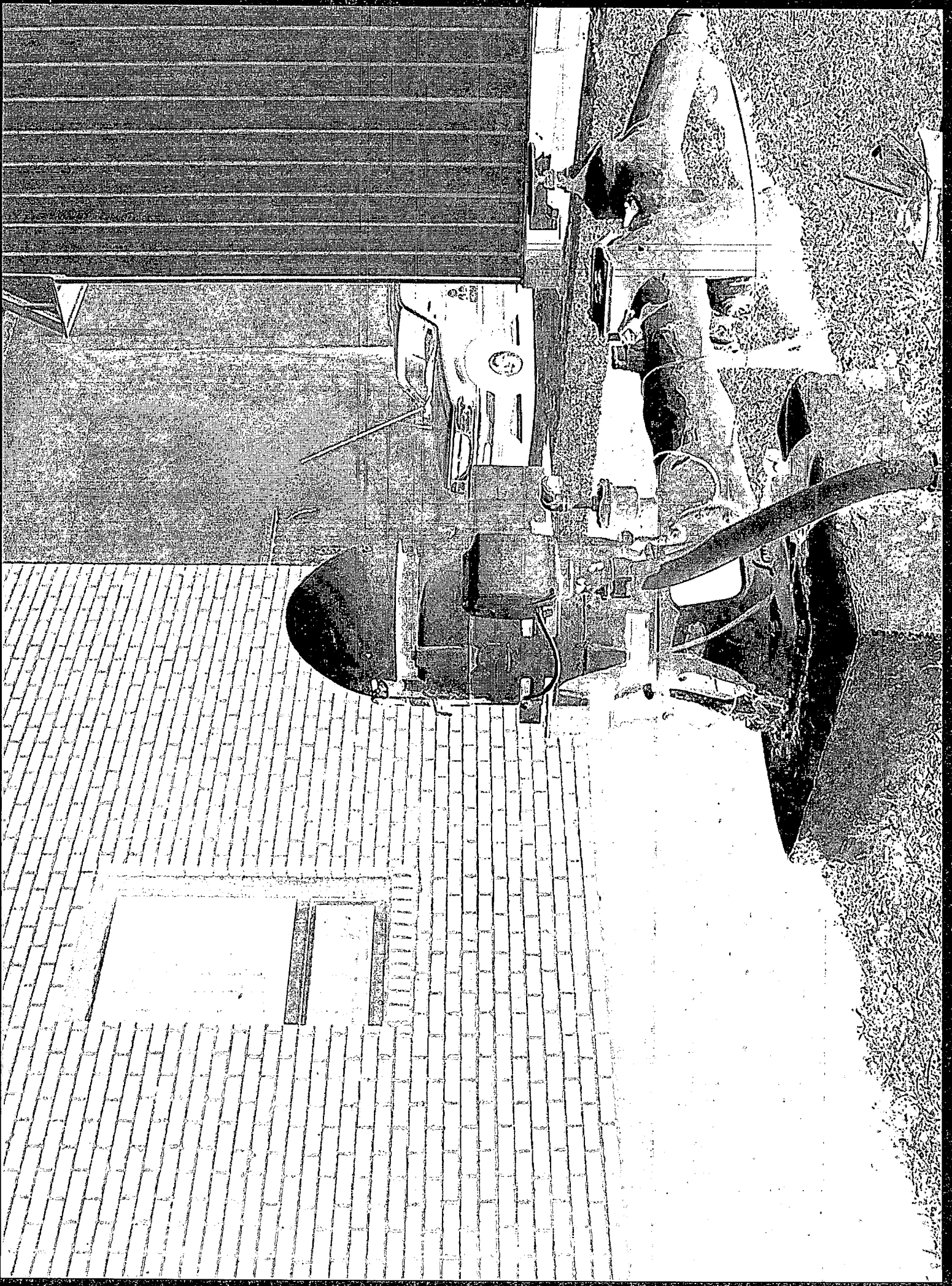
CASING DIA: _____ PUMP TYPE & SIZE: _____

GPS FIELD LOCATION: LAT. _____ LONG. _____

GPS CORRECTED LOCATION: LAT. 34.260031 LONG. 88.702774
LAT. 34 15 36.098 LONG. 88 42 09.976

REMARKS: _____

H42 - Tupelo (Front St) ✓

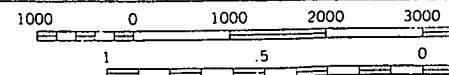




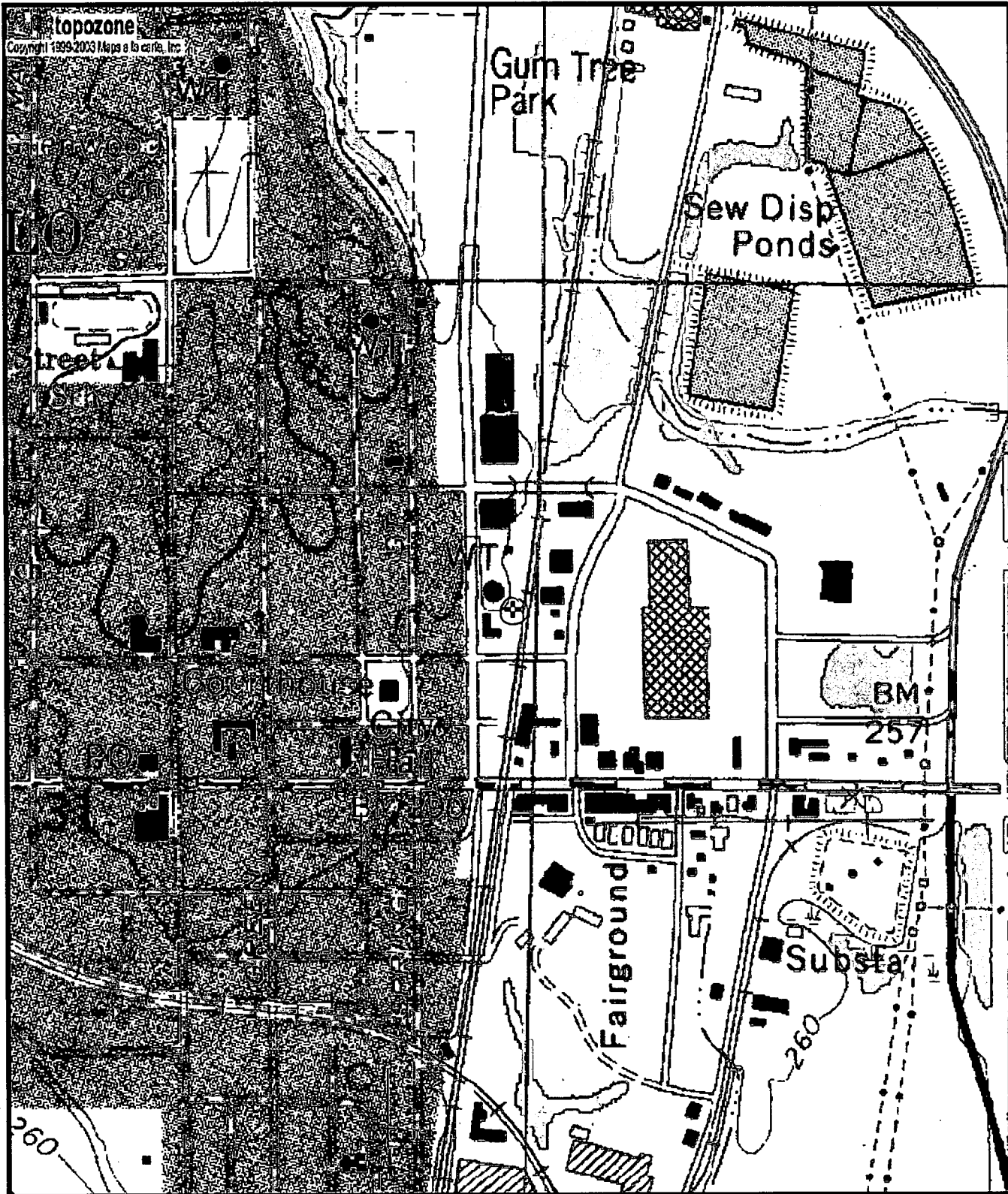
Published by the Geological Survey
 &GS
 metric methods from aerial
 Field checked 1973
 grid ticks: Mississippi coordinate
 (use Mercator)
 inverse Mercator grid ticks,

There must be 1000
 H-514 is

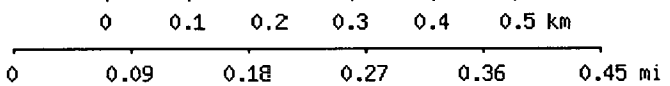
TUPELO QUAD



CONTOUR INTERVAL
 DOTTED LINES REPRESENT
 NATIONAL GEODETIC VERTI



H42
 SW06819
 0410015-06



Map center is 34° 15' 36"N, 88° 42' 10"W (WGS84/NAD83)
Tupelo quadrangle
 Projection is UTM Zone 16 NAD83 Datum

