

TRANSMITTED FOR ADP

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1/81 WFO

Recorded by ND

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT  
WELL RECORD

Well No. M117

Date 12-2-83

E-Log No. 758

County HINDS

Site ID 321619090184701 R=0\* T=A\* 2=W\*

GEN. SITE DATA

Data reliab. 3=C Report. agency 4-USGS Dist. 6=28 7=28 Co. 8=049

Lat. Long. 9=321619 10=0901847 Well No. 12=M117

Location 13=SW SW S 1/4 T 05N R 01W Alt. 16=370

Hyd. Unit (OWDC) 20= Date 21=1012611983

Well use 23=W Water Use 24=P Hole depth 27=146.8 Well depth 28=1426

WL 30=292 Date 31=0111311984 Source 33=D

Status 273= Project No. 5=

OWNER

R=158\* T=A\* Date 159# 0111311984 Owner No. JA-1679

Owner 161# JACKSON TEST HOLE #1 Hwy. 18 South at Sowell

FIELD CW

R=192\* T=A\* Date 193# 1211811984 Temp. 196#00010 197=33.0

R=192\* T=A\* Date 193# 1111411983 Cond. 196#00095 197=

R=192\* T=A\* Date 193# 1111411983 pH 196#00400 197=8.9

CONSTR.

R=58\* T=A\* 59# 1\* Date 60=0111311984 Remarks

Drig. 63=0.64 Name LAYNE Method 65=H Finish 66=5

CASING

R=76\* T=A\* 59# 1\*

Top csgn. 77# 0 Bot. csgn. 78=1345 Diam. 79# 16

R=76\* T=A\* 59# 1\*

Top csgn. 77# Bot. csgn. 78= Diam. 79#

OPENINGS

R=82\* T=A\* 59# 1\* Top 83# 1345 Bottom 84=1426

Type 85=S Diam. 87=10 Size 88=

R=82\* T=A\* 59# 1\* Top 83# Bottom 84=

Type 85= Diam. 87= Size 88=

YIELD

R= 146 T=A\* 147# 1\* 150=1100 Q/S 272=

134 flows 146 pumped

1230 @ 75#

**LIFT**  
 R=42\* T=A\* Lift type 43\* Intake 45\*  
 Date 38-01/13/1984  
 46-210-3

**LOGS**  
 R=198\* T=A\* Log 199# E\* Top 200-110-11 Bot 201-1463\*  
 R=198\* T=A\* Log 199# D\* Top 200-110-11 Bot 201-1468\*  
 R=189\* T=A\* Log No. 190# 758\* 191-110-11

**ANAL.**  
 R=114\* T=A\* Year 115# 117# 120#

**AQUIFERS**  
 R=90\* T=A\* 256# 1\* Top 91-1361\* Bot 92-1433\*  
 Unit ID 93-124 SPRT\* Name of Unit  
 R=90\* T=A\* 256# 1\* Top 91-1361\* Bot 92-1433\*  
 Unit ID 93- Name of Unit

**HYDRAULICS**  
 R=98\* T=A\* 99# 1\* Unit tested 100- 103-  
 R=105\* T=A\* 99# 1\* Test No. 106#\*  
 107- Transmissivity (gal/d)/ft.  
 108- Hydraul. cond. (gal/d)/ft.  
 110- Storage coeff. Boundaries  
 R=121\* T=A\* Begin 122# Network 258#

Water Level Data Collection (1)

May 18 1984

Tested 1382'  
 WL = 297 14' dd @ 85 gpm  
 TAIK-252  
 CL-12 TDS=430  
 SO4 10.7 hard=4  
 CO2 = 0 color=35  
 Fe = <.1  
 Mg = <.1  
 Ca = 1  
 Na = 107  
 K = .4

description of formations encountered	feet	to
red clay	0	27
rocks	27	28
yellow clay & rock streaks	28	45
blue clay	45	54
clay & sand streaks	54	90
sandy clay	90	130
sand	130	182
sandy sil.	182	210
shale	210	408

HINDS  
M117  
1/13/84  
EQ # 758

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

WATER WELL DRILLERS LOG **CODED**

Jan 23 1984 Leyme-Central Company Hinds  
date well completed firm name county well located

LANDOWNER: <u>City of Jackson Hwy. 18 E</u> <u>Sumwell Road Jackson MS</u> (mailing address)	description of formations encountered	from	to
	red clay	0	27
	rock	27	28
	yellow clay & rock streaks	28	45
	blue clay	45	54
	clay & sand streaks	54	90
	sandy clay	90	130
	sand	130	182
	sandy shale	182	210
	shale	210	408
	shale & sand streaks	408	507
	sandy clay	507	518
	clay	518	598
	sandy clay	598	642
	clay	642	668
	sand & shale streaks	668	714
	clay & sand streaks	714	813
	sand & shale streaks	813	857
	sandy clay	857	933
	clay	933	965
	hard clay & rock streaks	965	1032
	rock	1032	1034
	hard shale	1034	1130
	shale & sand streaks	1130	1181
	shale	1181	1243
	rock	1243	1244
	hard shale	1244	1295
	fine sand & shale	1295	1361
	sand	1361	1433
	clay	1433	1468

WELL LOCATION:  
sec. 16 T. 5 N R. 1 E S

(distance) miles (direction) of (nearest town)

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

WELL COMPLETION DATA:

- (1) diameter (inches) 16"
- (2) total depth (feet) 1436'
- (3) static water level (feet) 292' below top of ground.
- (4) casing steel, 1345' (material) (depth)
- 16" (size) if telescope see back.
- (5) screen 81', 1345' (length) (depth to top)
- 10" (size) stainless steel (material)
- (6) pump 200 (HP) 1000 (yield gpm)
- electric (type power)
- (7) electric log no (yes or no)
- MS Geo. Survey (organization running log)
- (8) how well bottom plugged steel plate

DRILLERS REMARKS: took water samples at 1380 feet.

**CODED**  
DEPT. OF NATURAL RESOURCES  
BUREAU OF LAND & WATER RESOURCES  
JAN 25 1984  
**RECEIVED**

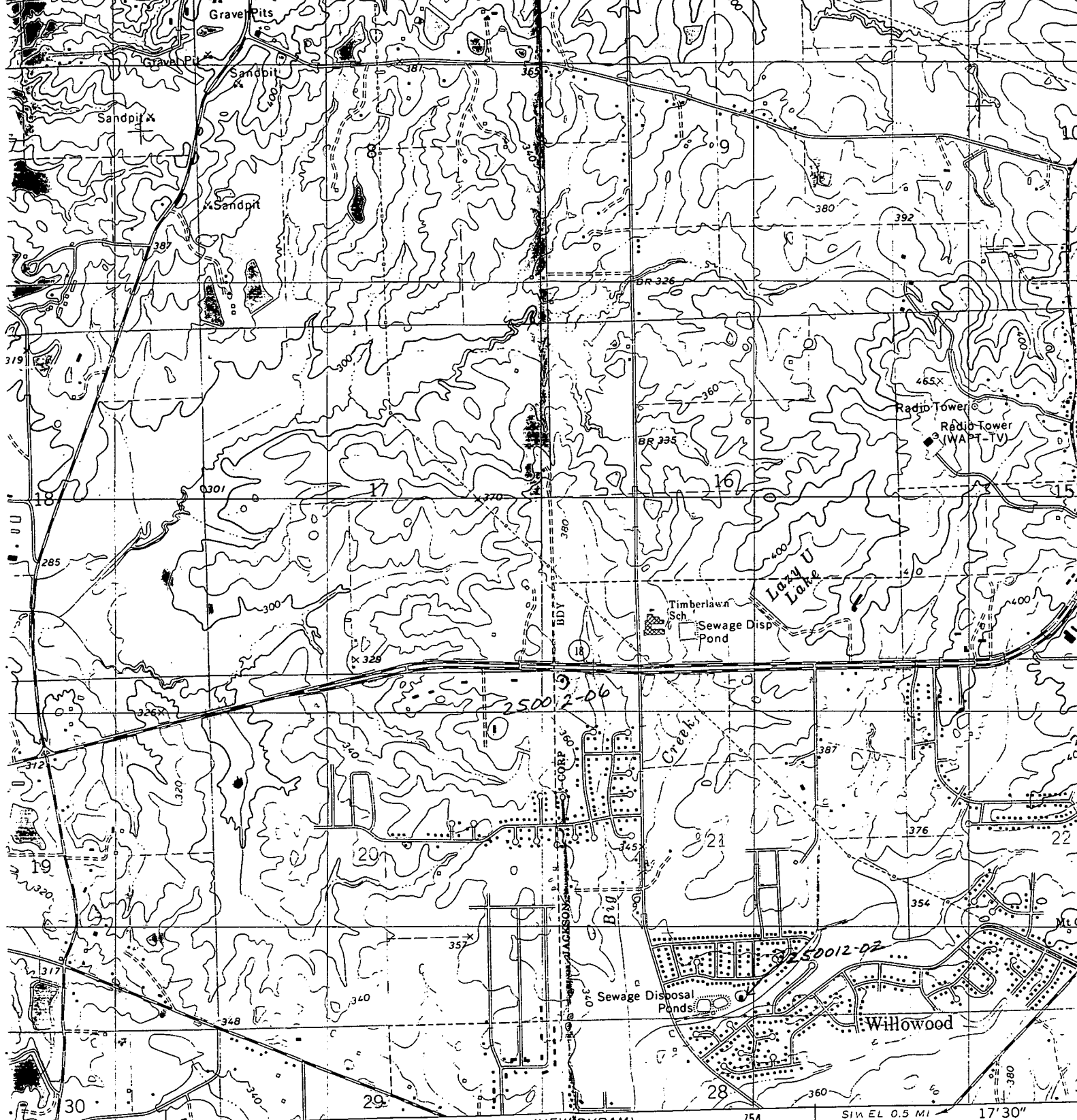
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): EVERETT DATE: 6/14/94  
UNIT DEQ #: 84090 FILE #: B061422C  
HEALTH DEPT. #: 250012-06 ELEV. 370  
USGS #: M117 OLWR #: GW2707  
OWNER: CITY OF JACKSON Quad: Clinton  
LOCATION: NW NW S 21 T 5N R 1W COUNTY: HINDS  
LOCATION DESCRIPTION: HWY 18 W/OFF SIWELL ROAD

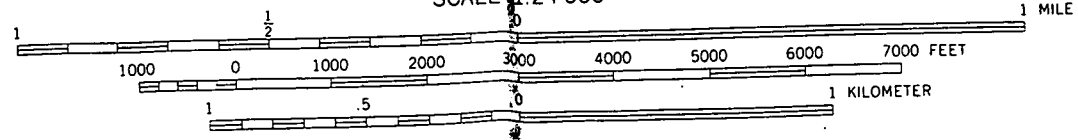
CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: TURBINE 200 HP. U.S.  
GPS FIELD LOCATION: LAT. 32° 16.123' LONG. 90° 18.801'  
GPS CORRECTED LOCATION: LAT. 32.26830528 LONG. 90.31285361

REMARKS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

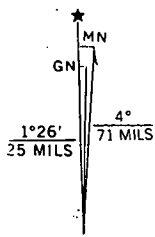


(NEW BYRAM)  
2948 III NE

SCALE 1:24 000



CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



AND 1980 MAGNETIC NORTH  
DIRECTION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST