

1/81 WTO

Recorded by

WTO

Date

8/12/81

U.S. GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MISSISSIPPI DISTRICT

WELL RECORD

Well No.

570

E-Log No.

Desoto

County

Pleasant Hill Quad

Site ID

345631088543801

R=0\*

T=A\*

2=W\*

Data reliab.

3=U\*

Report. agency

4=USGS\*

Dist.

6=28\*

7=28\*

Co.

8=033\*

Lat.

Long.

9=345631\*

10=0885438\*

Well No.

12=5070\*

Location

13=SENE S 02 T 02 S R 07 W\*

Alt.

16=365. 370

Hyd. Unit (OWDC)

20=

Date

21=08/05/1981\*

Well use

23=W\*

Water use

24=P\*

Hole depth

27=360.\*

Well depth

28=292.\*

WL

30=135.\*

Date

31=08/05/1981\*

Source

33=D\*

Status

273=

Project No.

5=

R=158\*

T=A\*

Date

159# 08/05/1981\*

Owner No.

Owner

161# PLEASANT HILL WA

WA SPRT

R=192\*

T=A\*

Date

193#

Temp.

196#00010\*

197=

R=192\*

T=A\*

Date

193#

Cond.

196#00095\*

197=

R=192\*

T=A\*

Date

193#

pH

196#00400\*

197=

R=58\*

T=A\*

59#1\*

Date

60=08/05/1981\*

Remarks

Drig.

63=418\*

Name

Wilson, Whitehaven Tenn.

65=H\*

Finish

66=S\*

R=76\*

T=A\*

59#1\*

Top csng.

77# 0.\*

Bot. csng.

78=

Diam.

79# 8.\*

R=76\*

T=A\*

59#1\*

PVC

Top csng

77#

Bot. csng.

78=

Diam.

79#

R=82\*

T=A\*

59#1\*

Top

83# 252.\*

Bottom

84= 292.\*

Type

85=S\*

Diam.

87= 6.\*

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 \*

Q

150= 300. \*

Q/S

272=

LIFT.

R=42\* T= A \* Lift type 43# S\* Intake 44= \* Power type 45= E\*  
 Date 38= 08 / 05 / 1981 \* H.P. 46= 20. \*

LOGS

R=198\* T= A \* Log 199# D\* Top 200= 0. \* Bot 201= 360. \*  
 R=198\* T= A \* Log 199# \* Top 200= \* Bot 201= \*  
 R=189\* T= A \* E Log No. 190# \* 191= M I S S D I S T \*

ANAL.

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

AQUIFERS

R=90\* T= A \* 256# 1 \* Top 91= 220. \* Bot 92= 300. \*  
 Unit ID 93= 124 S P R T \* Name of Unit  
 R=90\* T= A \* 256# 1 \* Top 91= \* Bot 92= \*  
 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<sup>2</sup>  
 110= \* Storage coeff. Boundaries

R=121\* T= \* Yr Begin 122# \* Network 258# \*

Water Level Data Collection (1)

description of formations encountered	from	to
Red Clay	0	20
Red Clay	20	31
GRAVEL	31	40
GRAVEL	40	60
GRAVEL	60	80
GRAVEL	80	90
White Clay	90	100
White Sand (Fine)	100	120
White Sand (Fine)	120	140
White Sand (Fine)	140	160
White Sand (Coarse)	160	180
White Clay & Sand	180	200
White Clay	200	220
White Sand (Fine)	220	240
White Sand Med to Coarse	240	260
White Sand Extra Coarse	260	280
White Sand Med to Coarse	280	300
White Clay & Blk Clay	300	316
Lignite	316	320
White Clay & Sand	320	340
White Sand Fine to Med.	340	360

Desoto  
L 70  
8-5-81  
02186

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES  
Bureau of Land and Water Resources  
Southport Mall  
P.O. Box 10631  
Jackson, Mississippi 39209  
WATER WELL DRILLERS LOG

**CODED**

date well completed 8-5-1981 firm name Wilson's Trc. county well located DeSoto

LANDOWNER:

Pleasant Hill Whites Assn.

Pleasant Hill, Miss.  
(mailing address)

WELL LOCATION:

NE 1/4 sec 2 T 2 N R 7 E of Pleasant Hill  
(distance) 2 miles (direction) N (nearest town)

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

WELL COMPLETION DATA:

- (1) diameter (inches) 8"
- (2) total depth (feet) 292'
- (3) static water level (feet) 135' below top of ground.
- (4) casing (material) PVC (depth) 252' (size) If telescope see back.
- (5) screen (length) 40' (depth to top) 252' (size) 6" (material) PVC
- (6) pump (HP) 20 (yield gpm) 300 (type power) Electric
- (7) electric log (yes or no) NO (organization running log)

(8) how well bottom plugged Back wash valve

DRILLERS REMARKS:

description of formations encountered

from to

Red Clay	0	20
Red Clay	20	31
GRAVEL	31	40
GRAVEL	40	60
GRAVEL	60	80
GRAVEL	80	90
White Clay	90	100
White Sand (Fine)	100	120
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White Clay & Blk. Clay	300	316
Lignite	316	320
White Clay & Sand	320	340
White Sand Fine to Med.	340	360

**CODED**

**RECEIVED**  
AUG 10 1981  
DEPT. OF NATURAL RESOURCES  
BUREAU OF LAND & WATER RESOURCES

**APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW  
FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI**

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES  
P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

This box is for office use only.

7-23-96 AGN.

FORM OLWR 1001 (REV. 9/94)

Issued: <u>3-25-86</u>	Expires: <u>3-25-2006</u>	Fee Paid:	Permit No. <u>Office of Land &amp; Water Resources</u>
Lat. <u>34-56-31</u>	Long. <u>89-54-06</u>	Elev. <u>360</u>	USGS No.
Quad. <u>Pleasant Hill</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>SPRT</u>	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one):  NEW PERMIT  RENEWAL PERMIT NO. 17070070

THIS APPLICATION IS FOR (Circle one):  GROUNDWATER COMPLETE A,B,E GW-2186

SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more):  Public Supply - Municipal, Rural Water, or Private Water  Irrigation  
 Industrial  Fish Culture  Recreation  Institutional (eg. Church, School)  Commercial (eg. Hotel, Casino, Restaurant)  Fire Protection  Livestock  Flood Protection  Other: \_\_\_\_\_

**SECTION A** (to be completed by ALL APPLICANTS)

LANDOWNER: PLEASANT HILL WATER ASSOCIATION 62-0753353  
 (Name) (SSN or Tax ID No.)

P.O. Box 624  
 (Address)

OLIVE BRANCH MS 38654 (601) 895-5135  
 (City) (State & Zip) (Telephone No.) 895-6560

APPLICANT, AGENT, OR LESSEE (if different from Landowner):

SAME  
 (Name) (SSN or Tax ID No.)

\_\_\_\_\_  
 (Address)

\_\_\_\_\_  
 (City) (State & Zip) (Telephone)

Location of diversion/withdrawal point (A suitable map with location marked must accompany this application):

SE 1/4 of the NE 1/4 of Section 2, Township 2 South, Range 7 West, County Desoto

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)  YES  NO If yes, describe the nature and amount of any additional supply and, if applicable, list permit number. NO. 17070069 AND 07638

**SECTION B** (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: Memphis SPRT MISSISSIPPI DEPARTMENT OF HEALTH NO.: \_\_\_\_\_

2. Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_.

If well has already been drilled, when was well completed (date)? 8-5, 1981 Under whose name was well originally drilled (if known)? PLEASANT HILL WATER ASSOCIATION

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 360 feet. DRILLER: Wilson Well Co-

(b) SURFACE CASING: Length 252 feet; Diameter B inches; Type PVC

(c) SCREEN: Length 40 feet; Diameter 6 inches; Type PVC

(d) PUMP: Type Submersible; Size 4"; Capacity 250 gallons per minute; Setting depth 290 feet

(e) POWER UNIT: Type Elec-; Size 25 HP horsepower

4. PERMITTED VOLUME :

(a) \_\_\_\_\_ ac-ft per year at a maximum rate of \_\_\_\_\_ gallons per minute

(b) 0.50 million gallons per day at a maximum rate of 350 250 gallons per minute

3 (CONTINUED ON BACK)

250

MAP SENT

**SECTION C** (to be completed for SURFACE WATER SOURCE)

- Source of water is from \_\_\_\_\_ which drains into \_\_\_\_\_  
which drains into \_\_\_\_\_  
(major stream or river)
- Description of pump/diversion works:  
Pump (size & type): \_\_\_\_\_ Power Unit (size & type): \_\_\_\_\_  
Lift: \_\_\_\_\_ feet Maximum capacity: \_\_\_\_\_ gallons per minute
- \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute

**SECTION D** (to be completed for SURFACE WATER IMPOUNDMENTS {DAMS} on continuously flowing streams)

- Name of storage reservoir: \_\_\_\_\_ Dam Height: \_\_\_\_\_ feet
- Surface area at normal pool: \_\_\_\_\_ Storage capacity at normal pool: \_\_\_\_\_ acre-feet

**SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)**

- IRRIGATION:** List the number of acres of each crop to be irrigated: Rice \_\_\_\_\_; Cotton \_\_\_\_\_; Oats \_\_\_\_\_; Corn \_\_\_\_\_; Soybeans \_\_\_\_\_; Pasture \_\_\_\_\_; Truck \_\_\_\_\_; Wheat \_\_\_\_\_; Grain Sorghum \_\_\_\_\_; Other (specify) \_\_\_\_\_ Acres \_\_\_\_\_  
A. Method of Irrigation (circle one) - Center Pivot Flood Furrow  
B. Land Condition (circle one) - Precision Land Formed Smoothed  
C. ASCS Farm No. \_\_\_\_\_ Tract No. \_\_\_\_\_
- FISH CULTURE:** Explain how water will be used: \_\_\_\_\_  
How often will reservoir (s) be emptied and refilled? \_\_\_\_\_
- MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM**  
Chose "a" or "b". (a) The number of people served is 5000 or (b) The number of connections is 1200  
What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years?  

<u>0.50</u>	<u>96</u>	<u>0.80</u>	<u>2001</u>	<u>0.90</u>	<u>2006</u>	<u>1.1</u>	<u>2010</u>
(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)	(Volume)	(Year)
- INDUSTRIAL:** If the water is to be released into a watercourse, indicate the amount released each year \_\_\_\_\_  
Rate of release \_\_\_\_\_; NPDES Permit No. \_\_\_\_\_  
Explain any changes in quality of water to be released: \_\_\_\_\_  
Explain how water will be used: \_\_\_\_\_  
How much groundwater will be used for once-through non-contact cooling? \_\_\_\_\_
- RECREATION:** Explain how water will be used: \_\_\_\_\_
- OTHER USE:** Explain in detail (if needed, attach another page): \_\_\_\_\_
- REMARKS:** WATER CONSUMPTION ARE FOR THIS WELL AND WELL PERMIT NO. 17070069; THEY ALTERNATE PUMPING.

List below the person to be contacted for additional information if required.

JOE F. LAUDERDALE  
(Name)  
9123 PIGEON ROOST  
(Address)  
OLIVE BRANCH, MS. 38654  
(City, State, Zip)  
601-895-0422  
(Telephone)

The accompanying map is hereby declared a part of this application. For irrigation and fish culture use, an ASCS photograph is required. The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.

Charlotte M. Talbot  
(Signature)

Subscribed and sworn to before me this 29<sup>th</sup> day of Feb, 1996, at 2:30p County of De Soto  
My commission expires 4/4/98; Marcia K. Parks Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

7-24-90

USER NAME(S): LAR/DRT DATE: 7/27/90  
UNIT DEQ #: 84090 FILE #: 867-4188  
HEALTH DEPT. #: 170016-02 ELEV. 357

USGS #: 483 G-90 OLWR #: MS-GW-02186

OWNER: Pleasant Hill W/A

LOCATION: NE/SE/NE S 35<sup>2</sup> T 15 R 7W COUNTY: Desoto

LOCATION DESCRIPTION: Pleasant Hill Quad.  
.25 SOUTH of NAIC Rd. on Pleasant Hill Rd. PLANT on WEST SIDE. 12.50'

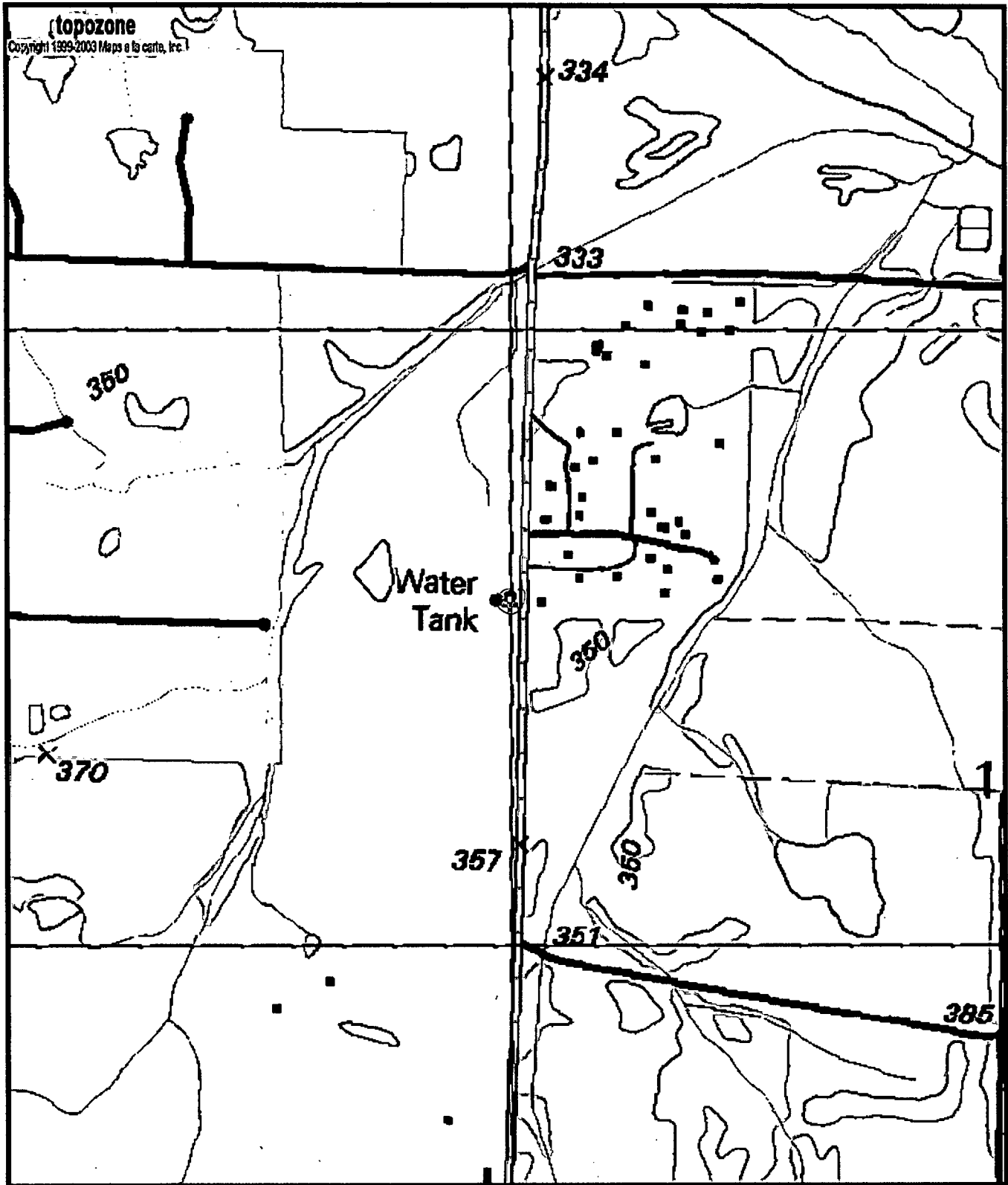
CASING DIA: 10" PUMP TYPE & SIZE: SUBMERSIBLE

GPS FIELD LOCATION: LAT. 34.94297279 LONG. 89.90169782

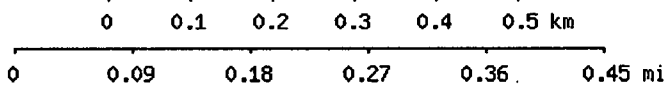
GPS CORRECTED LOCATION: LAT. 34.94297279 LONG. 89.90169782

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





0170016-02  
 Gw02186  
 670



Map center is 34° 56' 35"N, 89° 54' 06"W (WGS84/NAD83)  
**Pleasant Hill** quadrangle  
 Projection is UTM Zone 16 NAD83 Datum

