

6/78 WTO

Recorded by WTO

Date 2/22/82

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

TRANSMITTED FOR ADP

7/2/96
Well No. L70
E-Log No. 536
County Rankin

WELL RECORD
GWO2595 ~~0610042-04~~ 0610003-08 (both changed) #

Site ID 321807090005401 R=0* T=A* 2=W* Jackson SE Quad

GEN. SITE DATA

Data reliab. 3=U* C Report. agency 4=USGS* Dist. 6=28* 7=28* Co. 8=1,2,1*

Lat. Long./ 9=321807* 10=0900054* Well No. 12=L070*

Location 13=NE SW S 0.5 T 0.5 N R 0.3 E* Alt. 16=370*

Hyd. Unit (OWDC) 20= SWN WSE * Date 21=11/30/1981*

Well use 23=W* Water Use 24=P* Hole depth 27=151.1* Well depth 28=1280*

WL 30=238* MU Date 31=11/30/1981* Source 33=D*

Status 273= * Project No. 5=

OWNER

R=158* T=A* Date 159# 11/30/1981* Owner No. Brandon

Owner 161# HORSESHOE HILL*

FIELD ON

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= . . *

CONSTR.

R=58* T=A* 59# 1* Date 60=11/30/1981* Remarks

Drlg. 63=064* Name Layne Method 65=H* Finish 66=5*

CASING

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

Top csng. 77# 0* Bot. csng. 78=119.5* Diam. 79# 12*

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

Top csng. 77# 1133* Bot. csng. 78=119.5* Diam. 79# 6*

OPENINGS

R=82* T=A* 59# 1* Top 83# 1200* Bottom 84=1280*

Type 85=S* Diam. 87=6* Size 88= . *

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

Type 85= . * Diam. 87= . * Size 88= . *

SPRT

YIELD

R=146* T=A* 147# 1* Q 150=750* Q/S 272=10.9*

R=42* T= A * Lift type 43# T * Intake 44= * Power type 45= E *

Date 38= 11/30/1981 * H.P. 46= 150. *

R=198* T= A * Log 199# D * Top 200= 1. * Bot 201= 1511. *

R=198* T= A * Log 199# E * Top 200= 50. * Bot 201= 1284. *

R=189* T= A * E Log No. 190# 536 * 191= M I S S D I S T *

R=114* T= A * Year 115# * Type 120= *

R=90* T= A * 256# 1 * Top 91# 1200. * Bot 92= 1280. *

Unit ID 93= 124SPRT * Name of Unit

R=90* T= A * 256# 1 * Top 91= * Bot 92= *

Unit ID 93= * Name of Unit

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)/ft²

110= * Storage coeff. Boundaries

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

Water Level Data Collection (1)

Eng. Eng. Assoc.

72' dd @ 790gpm after 24hrs.

| description of formations encountered | from | to |
|---------------------------------------|------|------|
| Yellow Clay | 1 | 20 |
| Sand | 20 | 28 |
| Clay | 28 | 570 |
| Sandy Clay | 570 | 640 |
| Shale | 640 | 669 |
| Rock | 664 | 665 |
| Shale | 665 | 726 |
| Sandy Shale | 726 | 820 |
| Clay | 820 | 865 |
| Hard Shale | 865 | 932 |
| Rock | 932 | 933 |
| Hard Shale | 933 | 940 |
| Rock | 940 | 943 |
| Hard Shale | 943 | 967 |
| Sandy Shale | 967 | 1077 |
| Hard Shale | 1077 | 1089 |
| Shale | 1089 | 1153 |
| Sandy Shale | 1153 | 1189 |
| Shale | 1189 | 1197 |
| Sand | 1197 | 1275 |
| Hard Shale | 1275 | 1408 |
| Shale | 1408 | 1511 |

RANKIN
L 70
11-30-81

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

CODED

WATER WELL DRILLERS LOG

11-30 19 81 Layne Central Co. Rankin
 date well completed firm name county well located

LANDOWNER: Norwich Utility Co., Inc.
P.O. Box 31758
Jackson, Mo. 39206
 (mailing address)

WELL LOCATION:
 sec 5 T 5 N R 3 E
5 S W
 (distance) miles (direction) of Branch
 (nearest town)

WELL PURPOSE: Multi-purpose
 (home, irrigation, municipal, industrial)

- WELL COMPLETION DATA:
- (1) diameter (inches) 16"
 - (2) total depth (feet) 1286
 - (3) static water level (feet) 238 below above top of ground.
 - (4) casing Steel 1195
 (material) (depth)
16"
 (size) If telescope see back.
 - (5) screen 80' 72'
 (length) (depth to top)
8" Welded wire
 (size) (material)
 - (6) pump 150 750
 (HP) (yield gpm)
electric
 (type power)
 - (7) electric log Yes
 (yes or no)
Layne Central Co.
 (organization running log)
 - (8) how well bottom plugged Back
Pressure valve

| description of formations encountered | depth | |
|---------------------------------------|-------|------|
| | from | to |
| Yellow Clay | 1 | 20 |
| Hard Clay | 20 | 28 |
| Clay | 28 | 570 |
| Sandy Clay | 570 | 640 |
| Shale | 640 | 669 |
| Rock | 669 | 665 |
| Shale | 665 | 726 |
| Sandy Shale | 726 | 820 |
| Clay | 820 | 865 |
| Hard Shale | 865 | 932 |
| Rock | 932 | 933 |
| Hard Shale | 933 | 940 |
| Rock | 940 | 943 |
| Hard Shale | 943 | 967 |
| Sandy Shale | 967 | 1077 |
| Hard Shale | 1077 | 1089 |
| Shale | 1089 | 1153 |
| Sandy Shale | 1153 | 1189 |
| Shale | 1189 | 1197 |
| Sand | 1197 | 1275 |
| Hard Shale | 1275 | 1408 |
| Shale | 1408 | 1571 |

DEPT. OF NATURAL RESOURCES
 BUREAU OF LAND & WATER RESOURCES

FEB - 8 1982

RECEIVED

DRILLERS REMARKS:

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hardin / Phillips DATE: 7/2/96

UNIT DEQ #: _____ FILE #: B070220B

HEALTH DEPT. #: 610042-04 ELEV. 267'

USGS #: L70 OLWR #: GW02595

OWNER: Brandon QUAD: Jackson SE

LOCATION: NW/SE S 5 T 5N R 3E COUNTY: Rankin

LOCATION DESCRIPTION: East of Sunline Dr beneath
transmission lines

CASING DIA: _____ PUMP TYPE & SIZE: Turbine / 125 HP

GPS FIELD LOCATION: LAT. 32° 18' 09.7" N LONG. 90° 00' 49.4" W

GPS CORRECTED LOCATION: LAT. 32.30248812 LONG. 90.01351708

REMARKS: Measured 50' east of well



T. 6
T. 5

3578

3577

17/30

3576

MERIDIAN 74 MI.
MERIDIAN 78 MI.

PELAHATCHIE 13 MI.
3048 IV