

GW02441 0610043-02

1/82-WTO

Recorded by **BRR**
Date **3/19/84**
19 44

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

SMITTED FOR APP
5/85

Well No. **646**
E-Log No. **552**
County **RANKIN**

Site ID **32200-1090002202** R=0* T=A* 2-W*

Data reliab. **3=C** U Report agency **4=USGS** Dist. **6=28** **7=28** Co. **8=121**
Date **19 44**

Long. **9=322001** **10=0900022** Well No. **12=6046**
Location **13=SE NW 29 06 N R 03 E** Alt. **16=395**

Hyd. Unit (OWDC) **20=** Date **21=02/14/1984**
Well tube **23=W** Well use **24=P** Hole depth **27=1312** Well depth **28=1180**

30=231 Date **31=07/02/1984** Source **33=S**
Status **23=** Project No. **5**

R=158* T=A* Date **159=01/10/1985** Owner No. **161=CASPERWOOD SUBURBAN**

R=192* T=A* Date **193=03/26/1984** Temp. **196#00010** **197=30.60**
R=192* T=A* Date **193=03/26/1984** Cond. **196#00095** **197=**
R=192* T=A* Date **193=03/26/1984** pH **196#00400** **197=8.45**

R=58* T=A* **59#1*** Date **60=01/10/1985** Remarks
Drig. **63=021** Name **HERNDON** Method **65=H** Finish **66=G**

R=76* T=A* **59#1***
Top csng. **77# 0** Bot. csng. **78=1080** Diam. **79# 12**

R=76* T=A* **59#1***
Top csng. **77# 1060** Bot. csng. **78=1100** Diam. **79# 8**

R=82* T=A* **59#1*** Top **83# 1100** Bottom **84=1180**

Type **85=S** Diam. **87=8** Size **88=** **SPRT**

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

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

YIELD R= **46** T=A* **147# 1** Q **150=812** Q/S **272=22**
134 flows 146 pumped
065#

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

Date 38- 0 1 10 1 1985 * H.P. 46- 1 0 0 * *

R=198# T= A * * Log 199# E * Top 200= 520. * Bot 201= 896. *

R=198# T= A * * Log 199# D * Top 200= 0. * Bot 201= 1312. *

R=189# T= A * * E Log No. 190# 552 * 191= M I S S D I S T * *

RUN# 2-593 - 1312

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

R=90# T= A * * 256# 1 * Top 91= 1050. * Bot 92= 1170. *

Unit ID 95= 124 S P R T V * Name of Unit

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

Unit ID 95= * 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# * * * Begin 122# * Network 258# *

Water Level Data Collection (1)

Red Sand / Grey Clay	0	30
Grey - Green Clay	30	420
Grey Clay / Shells / Lignite	420	450
Grey Clay with Lignite	450	480
Grey Shaly Clay	480	630
Grey Clay / Fine Sand	630	660
Fine med. Grey Sand	660	690
Sand	690	720
Sand / Clay streaks	720	780
Sand	780	810
Blue-grey Sand	810	840
Blue Grey Clay / Shale	840	870
Blue Grey Clay / Shale	870	900
Shales	900	930
Shale + Silt	930	1020
Silty Clay	1020	1050
Very fine Sand	1050	1080
Fine Sand	1080	1140
Shale to med Sand	1140	1170
Sand / Clay Strs -	1170	1200
Fin. Clay & Sand	1200	1230
Fin. Sand	1230	1260
Fin. Sand	1260	1290
Sand + Clay	1290	1312

G46 800 552
 RANKIN
 1-01-85

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

date well completed 19 London, Miss. Supply, Inc. Ronkin
 firm name county well located
Pearl, Mrs.

LANDOWNER "Castlewood Well"
Ronkin Utility
Pearl, Mrs 39208
 (mailing address)

WELL LOCATION:
 sec. 29 T. 6 N. R. 2 E.
 S W
 (distance) miles (direction) of (nearest town)

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

WELL COMPLETION DATA:
 (1) diameter (inches) 12
 (2) total depth (feet) 1180
 (3) static water level (feet) 235 ^{below} above top of ground.
 (4) casing Steel 1080
 (material) (depth)
 (size) if telescope see back.
 (5) screen 80' 1100'
 (length) (depth to top)
8" S.S.
 (size) (material)
 (6) pump 100 812
 (HP) (yield gpm)
Electric
 (type power)
 (7) electric log yes
 (yes or no)
Bureau of Geology
 (organization running log)
 (8) how well bottom plugged Backward Valve

description of formations encountered	from to	
Red Sand / Grey Clay	0	30
Grey - Green Clay	30	420
Grey Clay / Shells / Lignite	420	450
Grey Clay with Lignite	450	480
Grey Silty Clay	480	630
Grey Clay / Fine Sand	630	660
Fulmed. Grey Sand	660	690
Sand	690	720
Sand / Clay Strata	720	780
Sand	780	810
Blue - Grey Sand	810	840
Blue Grey Clay / Shale	840	870
Blue Grey Clay / Shale	870	900
Shale	900	930
Shale + Salt	930	1020
Silty Clay	1020	1050
Grey Fine Sand	1050	1080
Shale Sand	1080	1140
Shale to Red Sand	1140	1170
Sand / Clay Strata	1170	1200
Sh. Clay + Sand	1200	1230
Sh. Sand	1230	1260
Sh. Sand	1260	1290
Sand + Clay	1290	1312

RECEIVED

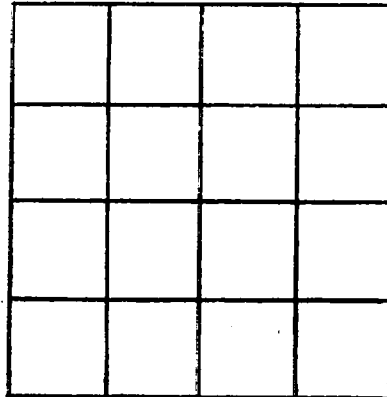
APR 8 - 1985

DRILLERS REMARKS:

Department of Natural Resources
 Bureau of Land & Water Resources

If well telescopes please
sketch and show depths.

GROUND LEVEL



SECTION _____

Please indicate well location X.

ADDITIONAL INFORMATION

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

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hardin/Phillips DATE: 7/1/96

UNIT DEQ #: 84090 FILE #: B070115A

HEALTH DEPT. #: 610043-02 ELEV. @ 375'

USGS #: G46 OLWR #: GW02441

OWNER: Rankin Utilities - Castlewoods QUAD: Jackson SE

LOCATION: SE/NW S 29 T 6 N R 3E COUNTY: Rankin

LOCATION DESCRIPTION: 0.1 mi. North of intersection of
Bradford Dr. & Grants Ferry on Grants Ferry

CASING DIA: _____ PUMP TYPE & SIZE: Turbine 100 HP

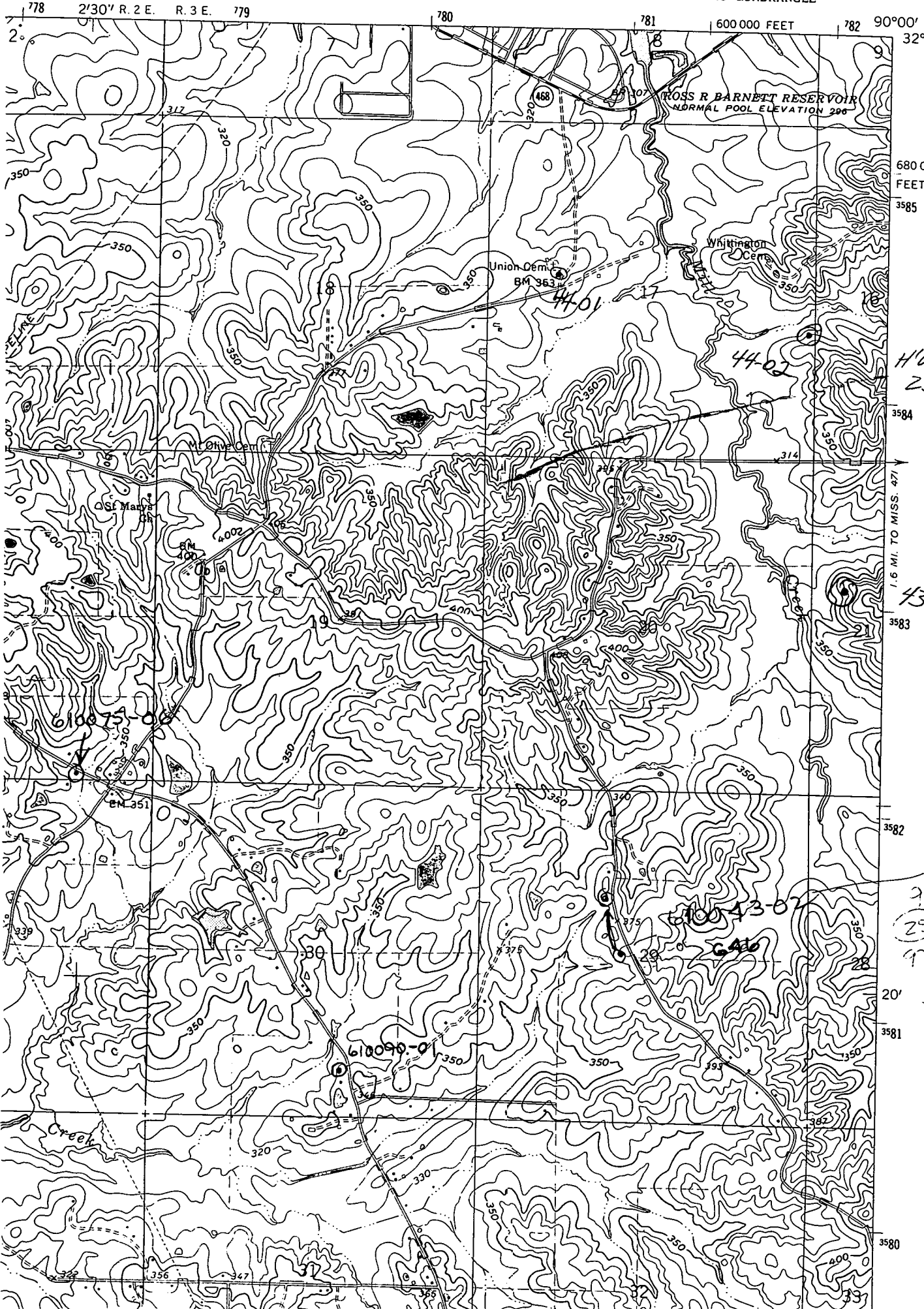
GPS FIELD LOCATION: LAT. 32° 20' 14.6" N LONG. 90° 00' 48.1" W

GPS CORRECTED LOCATION: LAT. 32.33821053 LONG. 90.01356828

REMARKS: Measured soft west of well

MISSISSIPPI
7.5 MINUTE SERIES (TOPOGRAPHIC)
SE/4 JACKSON 15' QUADRANGLE

(PELAHATU
1:62,500)



680 000
FEET

H'WAY
25

43-01

loc. a
25
20'
+ road