

TRANSMITTED FOR ADP

Coded By Q 1/8/88
Checked By _____
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Date 7/88

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

Well No. 651
E-Log No. 641
County RANKIN
Agency _____

Brandon Quad
GW04574
0610012-03

WELL RECORD

Agency Ccde U S G S Site Id 132203410891581201011 Project No. 5111111111

Station Name 12-805111 LAINGFLOIRID WIA Latitude 93220341 Longitude 1040891581201

Lat/Long Ac. 11 S F T M Dist 6=28 State 7=28 County 81211 Land Net 13 SIES ELSI221016WIRI031E*

Location Map 14= BRANNDON Altitude 1641221 Met/Meas 17 A L M Accuracy 18 1 5 Hydrologic Unit 20= 03189101012

Agency Use 803 A I 0 Date Inventoried 711/12/1291/119817 Station Type Y Data Type 804

Instru. 805 Remarks 806 Relia. 3 C L M U 2-W

Date of Construction 21/12/1291/119818 Well Use 23 W Water Use 24 P Primary Aquifer 714-1124SIPRIT Hole Depth 27/1365

Well Depth 28/1325 Water Level 30 2991 14 Water Level Date 31 03 / 21 / 119818 Method 34 1 Status 37 1 Source 33 D

CONSTRUCTION DATA

Construction Date 60 03 / 21 / 119818 Contractor 63455 Name Herndon Method 65 H Finish 66 G

CONSTRUCTION CASING DATA

Top/Casing 774 11 101 Bot/Casing 784 11 255 Diameter 794 11 21

Top/Casing 774 11 1831 Bot/Casing 784 11 255 Diameter 794 181

CONSTRUCTION OPENINGS DATA

Top/Depth 834 11 255 Bot/Depth 844 11 325 Diameter 874 181 Type 85 S Length 894 Width 884 101201

Top/Depth 834 Bot/Depth 844 Diameter 874 Type 85 Length 894 Width 884

CONSTRUCTION LIFT DATA

Lift Type 43 Date 38 03 / 21 / 119818 Intake 44 138101

Power 45 E H.P. 46 160 Serial No. 49

MISCELLANEOUS OWNER DATA

Date of Ownership 159 03 / 21 / 119818 Owner Name 161 LAINGFLOIRID WIA

MISCELLANEOUS OTHER ID DATA

E-Log No. 190 61411 Assigner 191 M I S S I D I S T

MISCELLANEOUS QW DATA

| R= | T=A | 738# | Date of Measurement | Aquifer Sampled | Par. Code | Value |
|-----|-----|------|----------------------------|--------------------|-----------|---------------|
| 192 | A | 1 | 193#012 / 124 / 11918181 * | 195#112415SPRIT1 * | 196#00010 | 197#311 101 * |
| 192 | A | 2 | 193#012 / 124 / 11918181 * | 195#112415SPRIT1 * | 196#00095 | 197#3401 1 * |
| 192 | A | 3 | 193#012 / 124 / 11918181 * | 195#112415SPRIT1 * | 196#00400 | 197#81 111 * |

MISCELLANEOUS LOGS DATA

| R= | T=A | 739# | Log Type | Beg. Depth | End Depth |
|-----|-----|------|----------|------------------|------------------|
| 198 | A | 1 | 199#E * | 200# 1301 * | 201# 13612 * |
| 198 | A | 1 | 199#D * | 200# 101 * | 201# 13615 * |

MISCELLANEOUS NETWORK DATA

| R= | T=A | 730# | Network Type | Beg. Year | End Year |
|-----|-----|------|--------------|------------------|-----------------|
| 114 | A | 1 | 706#QW * | 115# 1981 * | 116# 19 * |
| R= | T=A | 730# | Analysis | Agency Source | Freq. |
| 121 | A | 1 | 120#B1 * | 117# 19615 * | 118# * |

MISCELLANEOUS REMARKS DATA

| R= | T=A | 311# | Date of Remarks | Remarks |
|-----|-----|------|----------------------------|------------------|
| 183 | A | 1 | 184# / / * | 185# MSGW 4574 * |

DISCHARGE DATA

| R= | T=A | 147# | 148# | 703# | 150# | 272# |
|-----|-----|------|-----------------------------|----------|------------------|-------------------|
| 146 | A | 1 | 148# 031 71211 / 11918181 * | 703# 018 | 150# 13501 * | 272# 1151 * |

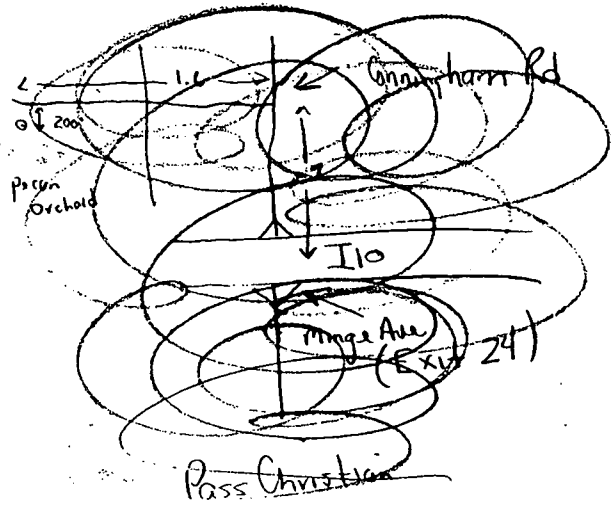
GEOHYDROLOGIC DATA

| R= | T=A | 721# | Depth Top | Depth Bot. | Unit Id |
|----|-----|------|------------------|----------------|--------------------|
| 90 | A | 1 | 91# 126101 * | 92# 1355 * | 93# 1241SPRIT1 * |

HYDRAULIC DATA

| R= | T=A | 790# | Unit Tested |
|----|-----|------|---------------------------------------|
| 98 | A | 1 | 100# * 103# * |

18.3
~~20.1~~ 66
 20.1 @ 300gpm



| Description of formations encountered | from | to |
|---------------------------------------|------|------|
| TOP SOIL | 0 | 2 |
| RED CLAY | 2 | 35 |
| CLAY | 35 | 450 |
| SHALE - SANDY CLAY | 450 | 556 |
| SAND - SHALE | 556 | 772 |
| ROCK | 772 | 820 |
| CLAY | 820 | 922 |
| ROCK | 922 | 928 |
| CLAY | 928 | 938 |
| ROCK | 938 | 941 |
| CLAY - SHALE | 941 | 965 |
| VERY FINE SILTY SAND | 965 | 1025 |
| CLAY - SHALE | 1025 | 1112 |
| SAND | 1112 | 1180 |
| ROCK | 1180 | 1190 |
| SHALE - SAND | 1190 | 1215 |
| SAND | 1215 | 1360 |
| CLAY | 1360 | 1575 |

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES
Bureau of Land and Water Resources

P.O. Box 10631
Jackson, Mississippi 39209
WATER WELL DRILLERS LOG

| | | | |
|-----------------------------------|-------------------------|--|---|
| WELL LOCATED Rankin | WELL NUMBER Well # 3 | CODED <input checked="" type="checkbox"/> | PERMIT NUMBER <u>4574</u> |
| DATE WELL COMPLETED April 1988 | | | NAME OF DRILLING FIRM Herndon Well & Supply, Inc. Pearl, MS |

| | | | |
|--|-----------|----------|---------------------|
| NAME & MAILING ADDRESS OF LANDOWNER Langford Water Association | | | |
| Brandon, MS 39042 | | | |
| WELL LOCATION: | SEC | TOWNSHIP | RANGE |
| Hwy 471 | 22 | 6N | N S 3E E W |
| DISTANCE | DIRECTION | | NEAREST TOWN |
| 5 Miles | N of | | Brandon |
| OTHER LANDMARK | | | |
| WELL PURPOSE: Home, Irrigation, <u>Municipal</u> , Industrial, Fish Pond, etc. | | | |

| | | |
|--|---------------|---------------------------|
| PUMP DATA | | |
| PUMP TYPE (Circle One): Submersible, <u>Turbine</u> , Jet, Flowing Well, Other (Describe) | | |
| POWER TYPE (Circle One): Electric, Tractor, Diesel, Gasoline, Butane, Other (Describe) <u>3 PH</u> H/P <u>60</u> | | |
| Pump Capacity (GPM) | No. of Stages | Setting Depth |
| 366 | 10 | <u>1325</u> <u>33</u> FT. |
| PUMP TEST | | |
| Well yielded <u>366</u> GPM with a drawdown of <u>24'</u> ft. after <u>4</u> hours of pumping | | |

| | | |
|---|--|-----------------------------|
| WELL DATA | | |
| Well Depth | Casing Diameter (In.) | Casing Length (Ft.) |
| 1325 | 12 | 1255 |
| Type of Casing | Hole Depth | Depth to Static Water Level |
| S.S. | 1325 | 300 |
| TYPE OF COMPLETION: (Circle One or More): <u>Gravel Packed</u> , Underreamed, Telescoped, Natural Development, Open Hole, Other (Describe) | | |
| Top of Lap Pipe or Reduction in Casing | | |
| FEET | IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE | |

| | |
|--|--|
| LOG DATA | |
| TYPE OF LOG RUN (Circle One): No Log Run, Electric, <u>Gamma Ray</u> , Density, Sonic, Neutron, Other (Describe) | |
| Name of Organization Running Log | |

| | | |
|-------------------|------------------------|--------------------|
| SCREEN DATA | | |
| Diameter - Inches | Length - Feet | Slot Size - Inches |
| 8 | 70 | .020 |
| Screen Type | Depth to Bottom - Feet | |
| Johnson S.S. | 1325 | |

| | |
|--|--------------------|
| GEOLOGICAL DATA | |
| Surface Elev. | Top of Well to Top |
| Subs. SWL | Analysis |
| Driller's Remarks SEP 18 1992 | |
| Dept. of Environmental Quality Bureau of Land & Water Resources | |

| DESCRIPTION OF FORMATIONS ENCOUNTERED | FROM | TO | FORMATIONS (Continued) | FROM | TO |
|---------------------------------------|------|-----|------------------------|------|------|
| Top Soil | 0 | 2 | Very Fine Silty Sand | 965 | 1025 |
| Red Clay | 2 | 35 | Clay & Shale | 1025 | 1112 |
| Clay | 35 | 450 | Sand | 1112 | 1180 |
| Shale & Sandy Clay | 450 | 556 | Rock | 1180 | 1190 |
| Sand & Shale | 556 | 772 | Shale & Sand | 1190 | 1215 |
| Rock | 772 | 820 | Sand | 1215 | 1367 |
| Clay | 820 | 922 | Clay | 1367 | 1373 |
| Rock | 922 | 925 | | | |
| Clay | 925 | 938 | | | |
| Rock | 938 | 941 | | | |
| Clay & Shale | 941 | 965 | | | |

IF MORE SPACE IS NEEDED, USE BACK

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

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

UNIT DEQ #: _____ FILE #: B070117c

HEALTH DEPT. #: 610012-03 ELEV. 421

USGS #: G51 OLWR #: GW04574

OWNER: Langford W.A. QUAD: Brandon

LOCATION: SE/SE S 22 T6N R 3E COUNTY: Rankin

LOCATION DESCRIPTION: See 610012-01

CASING DIA: _____ PUMP TYPE & SIZE: Turbine/60 HB

GPS FIELD LOCATION: LAT. 32°20'32.3"N LONG. 89°58'20.3"W

GPS CORRECTED LOCATION: LAT. 32.34287437 LONG. 89.97237890

REMARKS: Measured 35' feet SW of well

610012-01 + 610012-03 are in the same fenced in area; they are about 45' apart. Used same GPS file for both

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

219

220

221

57' 30"

222

223

