

Coded By 2 3/89
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Date

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 159
County LEE
Agency

Well No. N92

WELL RECORD

Agency Code U S G S Site Id 1340643038471171011 Project No. 5

Station Name 12 N092 OLDI UNITION W A Latitude 9 3410643 Longitude 10 0881471171

Lat/Long Ac. 11 S F T M Dist 6=28 State 7=28 County SW Land Net 13 SWNW S21 T11 S R05 E

Location Map 14= T R O N I C E I Altitude 16= 295 Met/Meas 17= A-L M Accuracy 18= E Hydrologic Unit 20= 03116011021

Agency Use 803 A I O Date Inventoried 711 Station Type Data Type 804

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

Date of Construction 21 081 / 21 / 1987 Well Use 23 W Water Use 24 P Primary Aquifer 714 211 E W T W Hole Depth 27 6110 WA

Well Depth 28 5710 Water Level 30 1169 Water Level Date 31 11 / 09 / 1989 Method 34 Status 37 Source 33 D

CONSTRUCTION DATA Construction Date 60 11 / 09 / 1989 Contractor 63 0211 Name Herndon Method 65 H Finish 66 G

CONSTRUCTION CASING DATA Top/Casing Bot/Casing Diameter R=76 T=A 725#1 59#1 77 1101 78 15210 79 1121
R=76 T=A 725#2 59#1 77 4601 78 15210 79 181

CONSTRUCTION OPENINGS DATA Top/Depth Bot/Depth Diameter Type Length Width
R=82 T=A 726#1 59#1 83 15210 84 15710 87 81 85 S 89 88 10210
R=82 T=A 726#2 59#1 83 84 87 85 89 88

CONSTRUCTION LIFT DATA R=42 T=A 254#1 Lift Type 43 T Date 38 11 / 09 / 1989 Intake 44 121621
Power H.P. Serial No. 45 E 46 1401 49

MISCELLANEOUS OWNER DATA Date of Ownership 159 11 / 09 / 1989 Owner Name 161 OLDI UNITION W A

MISCELLANEOUS OTHER ID DATA E-Log No. 190 1 E Assigner 191 M I S S I D I S T

MISCELLANEOUS QW DATA

| | | | | | | | | | | |
|-------|-----|-------|---------------------|--------------------------------|-----------------|------------------------|---------|-----------|-------|------------------|
| R=192 | T=A | 738#1 | Date of Measurement | 1934 / / * | Aquifer Sampled | 195# * | Temp | 196#00010 | Value | 197# * |
| R=192 | T=A | 738#2 | Date of Measurement | 1934 / / * | Aquifer Sampled | 195# * | Sp Cond | 196#00095 | Value | 197# * |
| R=192 | T=A | 738#3 | Date of Measurement | 1934 / / * | Aquifer Sampled | 195# * | pH | 196#00400 | Value | 197# * |

MISCELLANEOUS LOGS DATA

| | | | | | | | | |
|-------|-----|-------|----------|-----------|------------|--------------------|-----------|----------------------|
| R=198 | T=A | 739#1 | Log Type | 199#E * | Beg. Depth | 200# 21# * | End Depth | 201# 610 91 * |
| R=198 | T=A | 739#1 | Log Type | 199#D * | Beg. Depth | 200# 101 * | End Depth | 201# 611 101 * |

MISCELLANEOUS NETWORK DATA

| | | | | | | | | | | |
|-------|-----|-------|-----------|------------------|----------|------------------|---------------|------------------------|-------|------------|
| R=114 | J=A | 730#1 | Beg. Year | 115# 9 * | End Year | 116# 9 * | Agency Source | 120=A 117# * | Freq. | 118# * |
| R=121 | T=A | 730#2 | Beg. Year | 115# 9 * | End Year | 116# 9 * | Agency Source | 117# * | Freq. | 118# * |

MISCELLANEOUS REMARKS DATA

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

DISCHARGE DATA

| | | | | | | | | | | | |
|-------|-----|-----------|-------|------|--|------|------------|-----------|------------------------|--------------|------------------------|
| R=146 | T=A | Pump/Flow | 147#1 | Date | 148# / 10 91 / 11 9 8 91 * | Type | 703# (P) F | Discharge | 150# 26 13 * | So. Capacity | 272# 14 21 * |
|-------|-----|-----------|-------|------|--|------|------------|-----------|------------------------|--------------|------------------------|

GEOHYDROLOGIC DATA

| | | | | | | | | | | |
|------|-----|-------|-----------|------------------------|------------|-----------------------|---------|-------------------------------|------|-------|
| R=90 | T=A | 721#1 | Depth Top | 91# 14 9 9 * | Depth Bot. | 92# 6 0 5 * | Unit Id | 93# 2 * | 100# | 304=P |
|------|-----|-------|-----------|------------------------|------------|-----------------------|---------|-------------------------------|------|-------|

HYDRAULIC DATA

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

Well #3
3 1/2 miles W. of Shannon

| DESCRIPTION OF FORMATIONS ENCOUNTERED | FROM | TO |
|---------------------------------------|------|-----|
| Red Clay | 0 | 10 |
| Blue Rock | 10 | 360 |
| Fine Sand | 360 | 400 |
| Fine Sand w/Clay Strk | 400 | 480 |
| Sand | 480 | 610 |
| | | |
| | | |

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES

Bureau of Land and Water Resources

P.O. Box 10631

Jackson, Mississippi 39209

WATER WELL DRILLERS LOG

| | | |
|--|---|---|
| COUNTY WELL LOCATED <u>Lee</u> | | PERMIT NUMBER <u>0143</u> |
| WELL NUMBER <u>2</u> | CODER <input checked="" type="checkbox"/> | NAME OF DRILLING FIRM <u>Herndon Well & Supply</u> |
| <u>N92</u> | | Shannon, MS |
| DATE WELL COMPLETED <u>11/09/1989</u> | | |

| | | | |
|--|-----------|-------------------|----------|
| NAME & MAILING ADDRESS OF LANDOWNER <u>Old Union Water Association</u> | | | |
| <u>Rt. 2</u> | | | |
| <u>Shannon, MS 38868</u> | | | |
| WELL LOCATION: SEC | TOWNSHIP | RANGE | |
| <u>21</u> | <u>11</u> | <u>S 05</u> | <u>E</u> |
| DISTANCE | DIRECTION | NEAREST TOWN | |
| <u>3 1/2</u> Miles | <u>W</u> | of <u>Shannon</u> | |
| OTHER LANDMARK | | | |
| WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc. <u>Municipal</u> | | | |

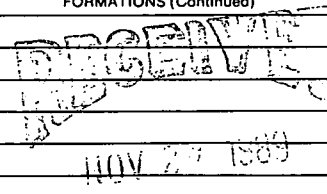
| | | |
|--|---------------|----------------|
| 40 HP PUMP DATA | | |
| PUMP TYPE (Circle One): Submersible, <u>Turbine</u> , Jet, Flowing Well, Other (Describe) | | |
| POWER TYPE (Circle One): <u>Electric</u> , Tractor, Diesel, Gasoline, Butane, Other (Describe) | | |
| Pump Capacity (GPM) | No. of Stages | Setting Depth |
| <u>263</u> | <u>9</u> | <u>262</u> FT. |
| PUMP TEST | | |
| Well yielded <u>263</u> GPM with a drawdown of <u>62.55</u> ft. after <u>24</u> hours of pumping | | |

| | | |
|---|-----------------------|-----------------------------|
| WELL DATA | | |
| Well Depth | Casing Diameter (In.) | Casing Length (Ft.) |
| <u>570'</u> | <u>12"</u> | <u>520'</u> |
| Type of Casing | Hole Depth | Depth to Static Water Level |
| <u>Steel</u> | <u>610'</u> | <u>169'</u> |
| 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 <u>460'</u> FEET <small>IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE</small> | | |

| | |
|--|--|
| LOG DATA | |
| TYPE OF LOG RUN (Circle One): <u>Electric</u> , Gamma Ray, Density, Sonic, Neutron, Other (Describe) | |
| Name of Organization Running Log <u>Herndon Well & Supply, Inc.</u> | |

| | | |
|--------------------|------------------------|--------------------|
| SCREEN DATA | | |
| Diameter - Inches | Length - Feet | Slot Size - Inches |
| <u>8"</u> | <u>50'</u> | <u>.020</u> |
| Screen Type | Depth to Bottom - Feet | |
| <u>SS Ribbed</u> | <u>570'</u> | |

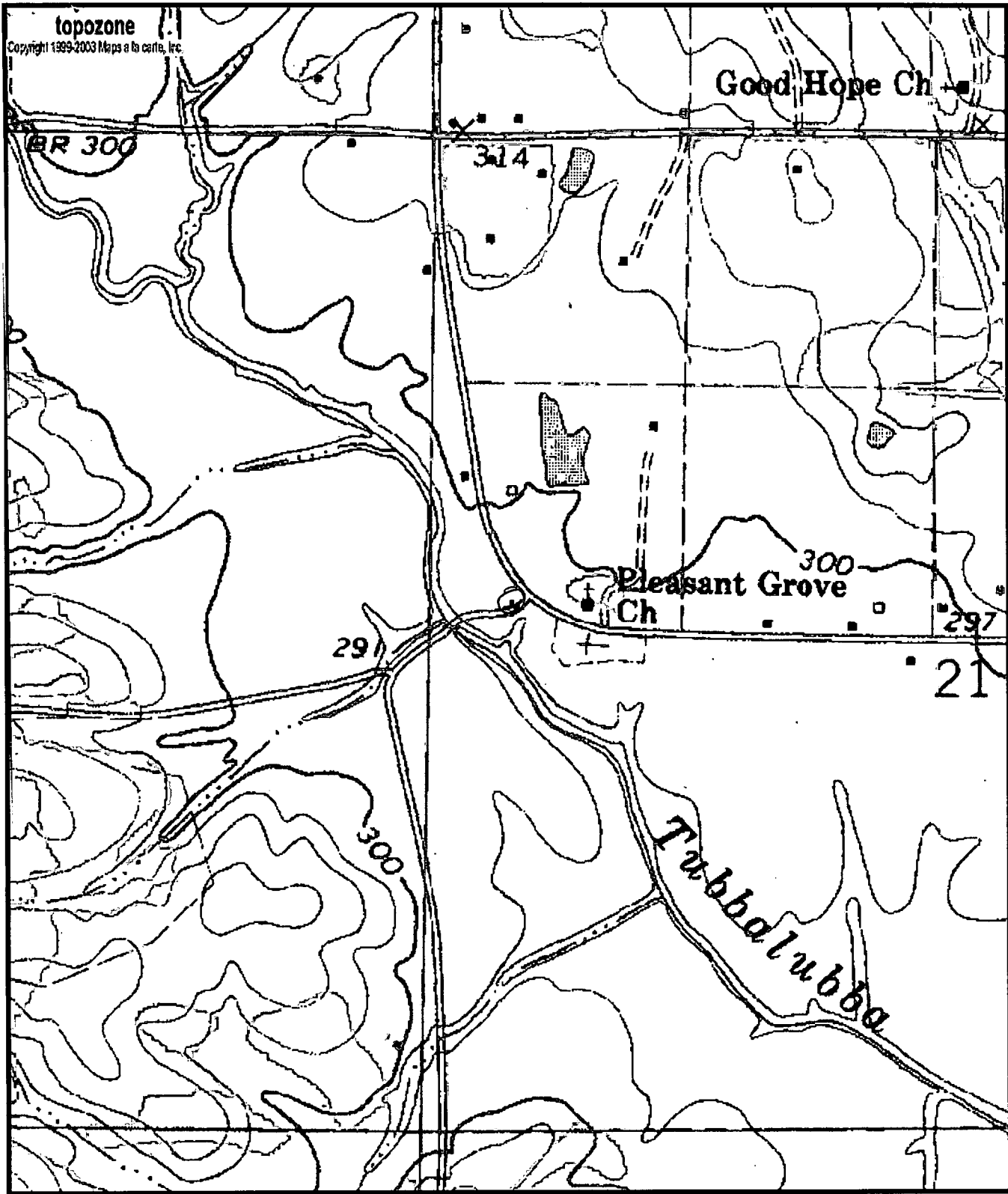
| | | | |
|--|---------------|----------------|--------------|
| GEOLOGIC DATA (Office Use Only) | | | |
| Surface Elev. | Geologic Unit | Unit Thickness | Depth to Top |
| Subs. SWL | Date | Analysis | Aquifer Test |
| Driller's Remarks <u>570</u> <u>55/0</u> <u>1/6</u> | | | |

| DESCRIPTION OF FORMATIONS ENCOUNTERED | FROM | TO | FORMATIONS (Continued) | FROM | TO |
|---------------------------------------|------|-----|--|------|----|
| Red Clay | 0 | 10 |  | | |
| Blue Rock | 10 | 360 | | | |
| Fine Sand | 360 | 400 | | | |
| Fine Sand w/Clay Strk | 400 | 480 | | | |
| Sand | 480 | 610 | | | |
| | | | Department of Natural Resources Bureau of Land & Water Resources | | |
| IF MORE SPACE IS NEEDED, USE BACK | | | | | |

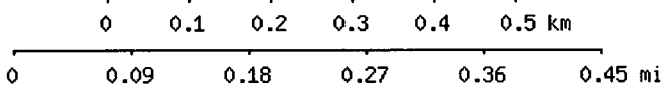
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Jennings / Phillips DATE: 10/29/98
UNIT DEQ #: _____ FILE #: B102917B
HEALTH DEPT. #: 410033-02 ELEV. 295
USGS #: N92 OLWR #: GW00143
OWNER: Old Union W.A QUAD: Trou SE
LOCATION: SW/NWS 21 T11SR5E COUNTY: Lee
LOCATION DESCRIPTION: At intersection of Pontocola Rd
and CR 109
CASING DIA: _____ PUMP TYPE & SIZE: Turbine
GPS FIELD LOCATION: LAT. 34° 6' 43.6" LONG. 88° 47' 16.2"
GPS CORRECTED LOCATION: LAT. 34.111912 LONG. 88.789122
REMARKS: _____



N92
 6W00143
 0410033-02



Map center is 34° 06' 43"N, 88° 47' 17"W (WGS84/NAD83)
Troy SE quadrangle
 Projection is UTM Zone 16 NAD83 Datum

M=-0.801
 G=-1.003