

Need G.S. WS.

GW11614  
NW Pontotoc

Coded By \_\_\_\_\_  
Checked By \_\_\_\_\_  
Entered By \_\_\_\_\_  
Date \_\_\_\_\_

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

E-Log No. \_\_\_\_\_  
County 115  
Agency \_\_\_\_\_

Well No. B123

WELL RECORD

Agency Code U S G S Site Id 1 Project No. 5

Station Name 12 Latitude 9 Longitude 10

Lat/Long Ac. 11 S F T M Dist 6=28 State 7=28 County 8=1115 SE/NW/Land Net 13=N|E|S|E|S|3|6|T|0|8|S|R|0|2|E|

Location Map 14 Altitude / 16= 3197 Met/Meas 17= A L M Accuracy 18 Hydrologic Unit 20

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

Instru. 835 Remarks 806 Relia. 3= C L M U 2=W X

Date of Construction 21/10/117/11989 Well Use 23 Water Use 24 Primary Aquifer 714=211160RDI Hole Depth 27= 11254

Well Depth 28= 11238 Water Level 30= 121742 Water Level Date 31/10/117/11989 Method 34 Status 37 Source 33

CONSTRUCTION DATA

R=58 T=A 723#1 Construction Date 60 Contractor Name Herndon Method 65 Finish 66

CONSTRUCTION CASING DATA

R= <u>76</u>	T= <u>A</u>	<u>725#1</u>	<u>59#1</u>	Top/Casing <u>77</u>	Bot/Casing <u>78</u>	Diameter <u>79</u>
R= <u>76</u>	T= <u>A</u>	<u>725#2</u>	<u>59#1</u>	Top/Casing <u>77</u>	Bot/Casing <u>78</u>	Diameter <u>79</u>

CONSTRUCTION OPENINGS DATA

R= <u>82</u>	T= <u>A</u>	<u>726#1</u>	<u>59#1</u>	Top/Depth <u>83</u>	Bot/Depth <u>84</u>	Diameter <u>87</u>	Type <u>85= S S *</u>	Length <u>89</u>	Width <u>88</u>
R= <u>82</u>	T= <u>A</u>	<u>726#2</u>	<u>59#1</u>	Top/Depth <u>83</u>	Bot/Depth <u>84</u>	Diameter <u>87</u>	Type <u>85</u>	Length <u>89</u>	Width <u>88</u>

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type 43 Date 38 Intake 44

Power 45 H.P. 46 Serial No. 49

MISCELLANEOUS OWNER DATA

R=158 T=A 718#1 Date of Ownership 159 Owner Name 161= T O W N O F E C R U

MISCELLANEOUS OTHER ID DATA

R=189 T=A 736#1 E-Log No. 190 Assigner 191= M I S S I D I S T Well # 2

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#   .	Req. Depth	200#                 .	End Depth	201#                 .
R=198	T=A	739#1	Log Type	199#   .	Req. Depth	200#                 .	End Depth	201#                 .

MISCELLANEOUS NETWORK DATA

706 = WL, QW, V.D \*

R=114	T=A	730#1	Req. Year	115#           .	End Year	116#           .	Agency Source	120=A	117#           .	Freq.	118#   .
R=121	T=A	730#2	Req. Year	115#           .	End Year	116#           .	Agency Source	117#           .	Freq.	118#   .	

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks	184#     /     /         .	Remarks	185#                 .
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DISCHARGE DATA

R=146	T=A	Pump/Flow	147#1	Date	148#     /     /         .	Type	703# P F	Discharge	150#                 .	Sp. Capacity	272#                 .
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top	91#                 .	Depth Bot.	92#                 .	Unit Id	93#                 .	304=P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested	100#                 .	103#     .
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**SECTION B** (to be completed if source of water is from underground supply)

1. Source of supply: Goode Formation Eutaw (ETMS) aquifer(s)
2. Description of water well:
- (a) **Proposed Well Data:** Estimated depth to be drilled app. 1150 to 1200 feet feet
- (b) **Proposed Screen Data:**
- (1) Estimated Length 60 - 70 ft. (2) Estimated Diameter 10" X 6" inches
- (3) Proposed Type 304, Cont. Slot (4) Proposed slot size \_\_\_\_\_ inches
- (c) **Proposed Casing Data:**
- (1) Estimated Length app. 1100 ft. (2) Estimated Diameter 10" inches
- (3) Proposed Type Outer ASTM-A-120, Inner 304 18-8 Stainless Steel SS
- (d) **Proposed Pump Data:** Turbine, 6" TP 300 GPM at 70 PSI
- (1) Estimated Type & Size \_\_\_\_\_ (2) Estimated Capacity \_\_\_\_\_ gpm
- (3) Estimated No. of Stages Approx. 19 (4) Estimated Setting Depth 200-250 ft.
- Well Driller Herndon Well & Supply Co.  
(Name of Company)

**WATER USE DATA**

1. IRRIGATION use: (a) Show number of acres to be irrigated by 40-acre blocks:

TOWN-SHIP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

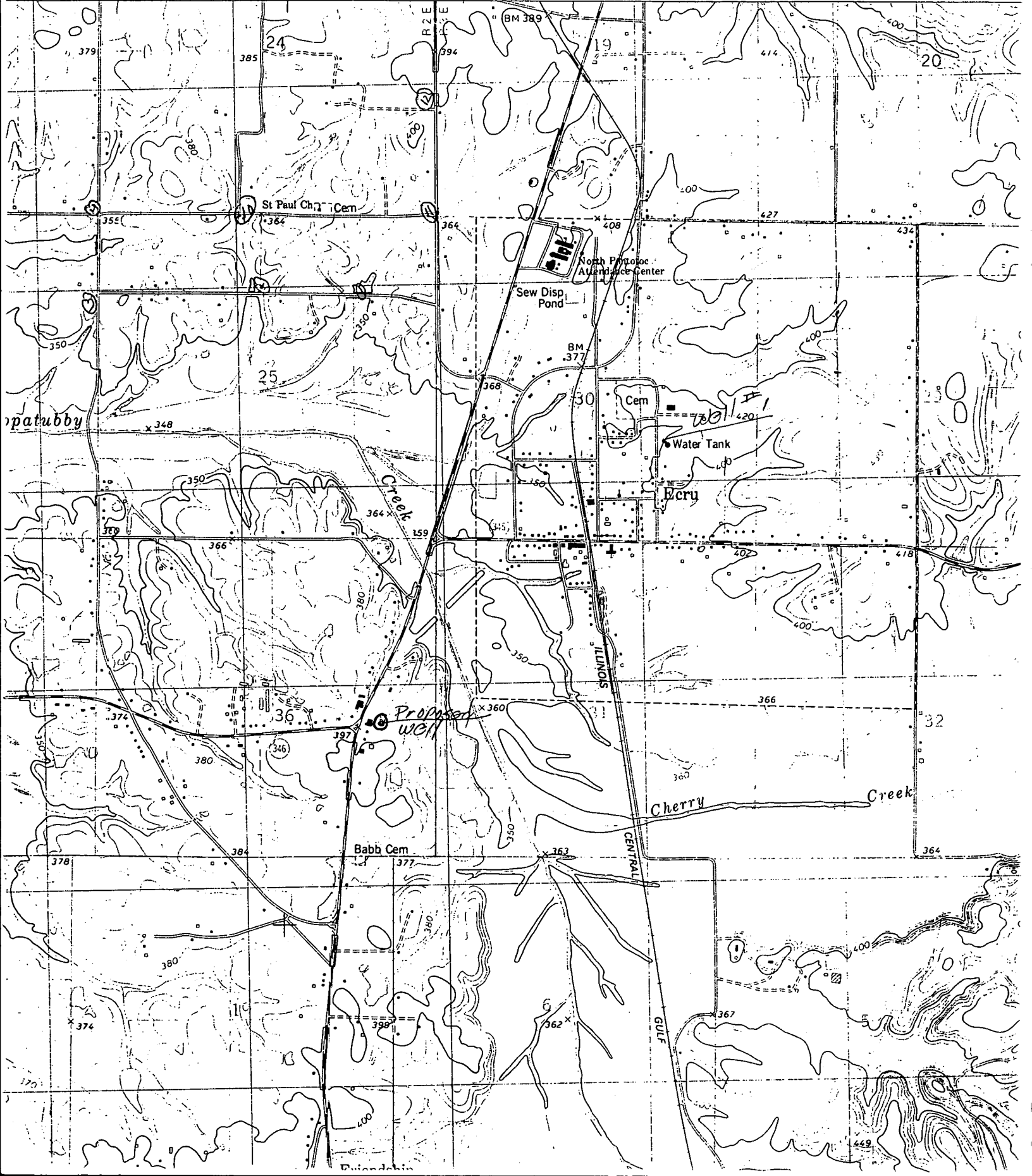
- (b) List the acres to be irrigated: Rice \_\_\_\_\_; Cotton \_\_\_\_\_; Corn \_\_\_\_\_; Pasture \_\_\_\_\_; Truck \_\_\_\_\_; Other crops ( \_\_\_\_\_ ) \_\_\_\_\_ acres.
2. If for MUNICIPAL use: (a) Present population 110 new connections + 3/5 of old permit, which is 206 connections (based on 19 \_\_\_\_\_ Census)
- (b) Estimated average daily consumption during periods of maximum use at the end of each five-year period in next twenty years: Total of 316 connections  
\_\_\_\_\_ 19 \_\_\_\_\_; \_\_\_\_\_ 19 \_\_\_\_\_; \_\_\_\_\_ 19 \_\_\_\_\_; \_\_\_\_\_ 19 \_\_\_\_\_
3. If for INDUSTRIAL use: (a) If water is to be released into a watercourse, indicate: Amount released each year \_\_\_\_\_; rate of release \_\_\_\_\_; location of release point in reference to diversion point \_\_\_\_\_ (show location on map)
- (b) Explain any change in quality of water to be released: \_\_\_\_\_
4. If for RECREATIONAL use: Explain how water will be used \_\_\_\_\_
5. If for FISH CULTURE use: (a) Explain in detail how water will be used \_\_\_\_\_
- (b) Number of times reservoir will be emptied and filled annually: \_\_\_\_\_
6. If for ANY OTHER use: (a) Explain in detail \_\_\_\_\_

REMARKS Ecru has a well located in NW¼ of SE¼ of Sec. 30, T8S, R3E drilled in 1966

it was to pump 200 GPM but a pump test revealed about 14 months back only 160GPM.

NORTHWEST PONTOTOC QUADRANGLE  
MISSISSIPPI-PONTOTOC CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)  
SE/4 NEW ALBANY 15' QUADRANGLE

11 12 2'30" 13 440 000 FEET 15



**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 <b>Pontotoc</b>		PERMIT NUMBER
WELL NUMBER <b>2</b>	CODED <input checked="" type="checkbox"/>	NAME OF DRILLING FIRM <b>Herndon Well &amp; Supply</b>
<b>B 123</b>		Address <b>Shannon, MS 38868</b>
DATE WELL COMPLETED <b>10/17/89</b>		

NAME & MAILING ADDRESS OF LANDOWNER <b>Town of Ecu</b>		
<b>Ecu, MS</b>		
WELL LOCATION: SEC <b>36</b> TOWNSHIP <b>8 N</b> RANGE <b>2 E</b>		
DISTANCE <b>Inside city limits</b> DIRECTION <b>N</b> NEAREST TOWN <b>XXXX</b>		
OTHER LANDMARK		
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc. <b>Municipal</b>		

PUMP DATA		
PUMP TYPE (Circle One): <b>40 HP</b> Submersible, <b>Turbine</b> Jet Flowing Well, Other (Describe)		
POWER TYPE (Circle One): <b>Electric</b> Tractor, Diesel, Gasoline, Butane, Other (Describe)		
Pump Capacity (GPM) <b>343</b>	No. of Stages <b>7</b>	Setting Depth <b>282 FT.</b>
PUMP TEST		
Well yielded <b>343</b> GPM with a drawdown of <b>32.42</b> ft. after <b>24</b> hours of pumping		

WELL DATA		
Well Depth <b>1238'</b>	Casing Diameter (In.) <b>10"</b>	Casing Length (Ft.) <b>1202'</b>
Type of Casing <b>Steel</b>	Hole Depth <b>1254'</b>	Depth to Static Water Level <b>217.17</b>
TYPE OF COMPLETION: (Circle One or More): <b>Gravel Packed</b> , Underreamed, Telescoped, Natural Development, Open Hole, Other (Describe)		
Top of Lap Pipe or Reduction in Casing <b>1138 FEET</b> IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE		

LOG DATA	
TYPE OF LOG RUN (Circle One): <b>No Log Run</b> , <b>Electric</b> , Gamma Ray, Density, Sonic, Neutron, Other (Describe)	
Name of Organization Running Log <b>Herndon Well &amp; Supply, Inc.</b>	

SCREEN DATA		
Diameter - Inches <b>6"</b>	Length - Feet <b>40'</b>	Slot Size - Inches <b>.020</b>
Screen Type <b>SS Ribbed</b>	Depth to Bottom - Feet <b>1235'</b>	

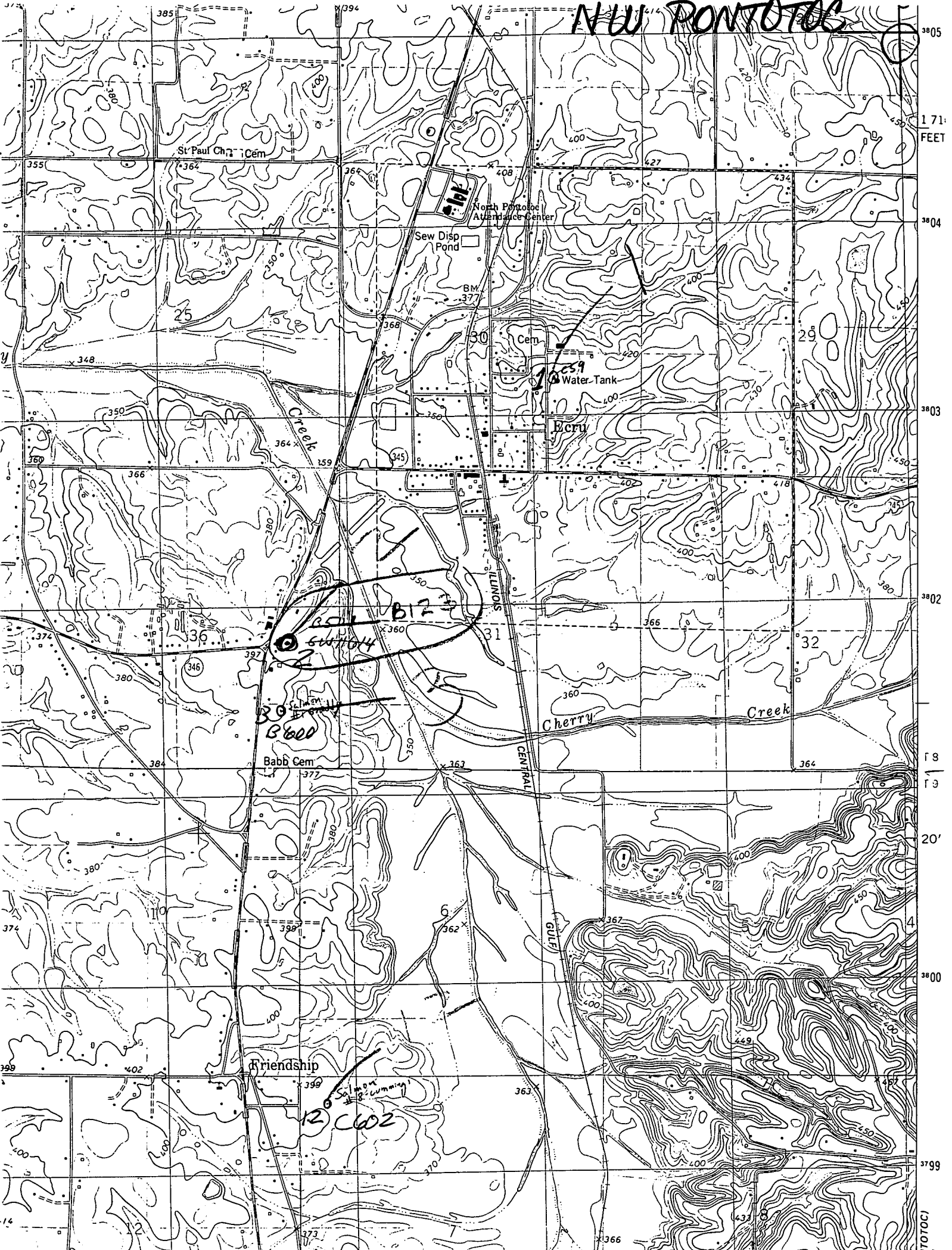
GEOLOGIC DATA (Office Use Only)			
Surface Elev.	Depth to Top	Thickness	Analysis
Subs. SWL	Analysis	Analysis	Analysis
Driller's Remarks <b>OCT 18 1989</b>			
Department of Natural Resources Bureau of Land & Water Resources			

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Red Clay	0	8	Sand & Clay Streaks	637	738
Limerock & Shale	8	40	Rock 3"		738
Blue Clay	40	98	Sand	738	762
Rock 10"	98	99	Rock 4"		762
Shale Rock & Sand	99	136	Sandw/few Clay Strks.	762	850
Shale Rock, Sand & Clay			Clayw/few Sand Strks.	850	1035
Streaks	136	188	Blue Clay	1035	1170
Blue Clay & Shale Rock	188	195	Sand & Clay Streaks	1170	1210
Blue Clay	195	230	Sand	1210	1245
Shale Rocks	230	232	Hard Shale	1245	1254
Blue Clay	232	637			

IF MORE SPACE IS NEEDED, USE BACK



# NW PONTIAC



1 71 FEET

3803

3802

18

19

20

3800

3799

PONTIAC, MI