

Coded By 2/3/90
Checked By 12/16/91
Entered By LSC
Date 07-09-91

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 375
County MADISON
Agency

Well No. J40
210

WELL RECORD

Farmhaven
Quad

Agency Code U S G S Site Id 1321401010189491111011 Project No. 5

Station Name 12 J40101 E MADISON W A Latitude 9321101011 Longitude 104989491111

Lat/Long Ac. 11 S T M Dist 6-28 State 7-28 County 8-0819 NW Land Net 13 N E S E S 3 1 1 T 1 1 0 1 N R 1 0 1 5 E

Location Map 14 S I H A R O W Altitude 16-31201 Met/Meas 17 A L M Accuracy 18 1 5 Hydrologic Unit 20-01801662012

Agency Use 803 A 1 0 Date Inventoried 711021/1131/119919 Station Type Y Data Type 804

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

Date of Construction 21 02/113/119910 Well Use 23 W Water Use 24 P Primary Aquifer 714 124 M U W X Hole Depth 27 14115

Well Depth 28 1402 Water Level 30 16714 Water Level Date 31 08/31/119910 Method 34 1 Status 37 1 Source 33 D

INSTRUCTION DATA

R=58 T=A 723#1 Construction Date 60 08/31/119919 Contractor 63 455 Name Herndon Method 65 H Finish 66 G

INSTRUCTION CASING DATA

R	T	Top/Casing	Bot/Casing	Diameter
76	A	725#1 59#1 77 1 0 1	78 1 350	79 1 12
76	A	725#2 59#1 77 1 2 6 6	78 1 351	79 1 8

INSTRUCTION OPENINGS DATA

R	T	Top/Depth	Bot/Depth	Diameter	Type	Length	Width
82	A	726#1 59#1 83 1 351	84 1 402	87 1 81	85 S	89	88 1 9 1 4
82	A	726#2 59#1 83	84	87	85	89	88

INSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type 43 T Date 38 08/31/119910 Intake 44 2 H 1

Power 5 E H.P. 46 1601 Serial No. 49

SCCELLANEOUS OWNER DATA

R=158 T=A 718#1 Date of Ownership 159 08/31/119910 Owner Name 161 E MADISON W A

SCCELLANEOUS OTHER ID DATA

R=189 T=A 736#1 E-Log No. 190 3 1 5 Assigner 191 M I S S I S S I P P I

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934 / / .	Aquifer Sampled 195# 1 2 4 M U W X	Temp 196#00010	Value 197#3 0 10
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# 1 2 4 M U W X	pH 196#00400	Value 197#8 15

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199#E .	Beg. Depth 200# 1 35 .	End Depth 201# 1 4 15 .
R=198	T=A	739#1	Log Type 199#L .	Beg. Depth 200# 10 .	End Depth 201# 1 4 10 .

MISCELLANEOUS NETWORK DATA

R=114	T=A	730#1	Beg. Year 115# 1 9 .	End Year 116# 1 9 .	Agency Source 120=A 117# .	Freq. 118# .
R=121	T=A	730#2	Beg. Year 115# 1 9 .	End Year 116# 1 9 .	Agency Source 117# .	Freq. 113# .

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184# 1 1 1 1 1 1 1 1 .	Remarks 185# MSGW - 14407
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DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 148# 1 8 / 3 1 : 1 1 9 9 10 .	Type 703# P	Discharge 150# : 5 8 0 .	Sp. Capacity 272# 1 7 12 .
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GEOHYDROLOGIC DATA

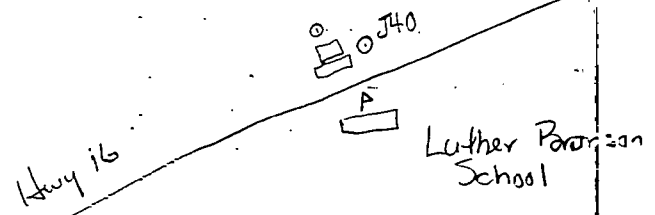
R=90	T=A	721#1	Depth Top 91# 1 3 5 0 .	Depth Bot. 92# 1 4 0 5 .	Unit Id 93# 1 2 4 M U W X	304#P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100# .	103# .
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Well #5 @ old plant across from School on Hwy 16

Color = 20 units
26.4' dd @ 177 gpm (test pump)



DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
Clay	0	57	Sandy Clay & Shale	875	1030
Sand	60	87	Clay	1030	1180
Sand & Shale Streaks	80	195	Clay & Shale Streaks	1180	1335
Sandy Clay & Shale	195	300	Sand	1335	1400
Sand	300	325			
Sandy Clay	325	400			
Sand & Shale Streaks	400	575			
Sand	535	600			
Clay	600	650			
Clay & Sand Streaks	650	750			
Clay	750	825			

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
Madison

WELL NUMBER
Well # **5** CODED

140

DATE WELL COMPLETED
8-31-90

PERMIT NUMBER
14409

NAME OF DRILLING FIRM
Herndon Well & Supply

Pearl, MS

NAME & MAILING ADDRESS OF LANDOWNER
East Madison W. A.

Madison, MS

WELL LOCATION: SEC **31** TOWNSHIP **10N** RANGE **N 05E E W**

DISTANCE **10** MILES **N 1/2, SE 1/4** of **Canton** NEAREST TOWN

OTHER LANDMARK
10 miles East of Canton

WELL PURPOSE: Home, Irrigation (Municipal), Industrial, Fish Pond, etc.

PUMP DATA

PUMP TYPE (Circle One):
Submersible, Turbine, Jet, Flowing Well,
Other (Describe) _____

POWER TYPE (Circle One):
Electric, Tractor, Diesel, Gasoline, Butane,
Other (Describe) **3 Phase** H/P **60HP**

Pump Capacity (GPM)	No. of Stages	Setting Depth
580 GPM	8	1402 FT.

PUMP TEST

Well yielded **580** GPM with
a drawdown of **81.58** ft.
after **4** hours of pumping

WELL DATA

Well Depth 1402'	Casing Diameter (In.) 12"	Casing Length (Fl.) 1350
Type of Casing Steel	Hole Depth 1402'	Depth to Static Water Level 67.42

TYPE OF COMPLETION: (Circle One or More):
Gravel Packed, 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, Gamma Ray, Density, Sonic, Neutron,
Other (Describe) _____

Name of Organization Running Log

SCREEN DATA

Diameter - Inches 8"	Length - Feet 50.85	Slot Size - Inches .014
Screen Type Johnson S.S.	Depth to Bottom - Feet 1402'	

GEOLOGIC DATA (Office Use Only)

Surface Elev.	Unit Thickness	Depth to Top
Subs. SWL	Analysis	Water Test

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
Clay	0	60	Sandy Clay & Shale	875	1030
Sand	60	80	Clay	1030	1180
Sand & Shale Streaks	80	195	Clay & Shale Streaks	1180	1335
Sandy Clay & Shale	195	300	Sand	1335	1400
Sand	300	375			
Sandy Clay	375	400			
Sand & Shale Streaks	400	535			
Sand	535	600			
Clay	600	690			
Clay & Sand Streaks	690	750			
Clay	750	875			

IF MORE SPACE IS NEEDED, USE BACK

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Jennings/Phillips DATE: 1/20/98

UNIT DEQ #: _____ FILE #: B012017A

HEALTH DEPT. #: 450007-05 ELEV. 330

USGS #: J40 OLWR #: GW14409

OWNER: E Madison W.A. QUAD: Farmhaven

LOCATION: NW/NE/SE S 31 T10N R 5E COUNTY: Madison

LOCATION DESCRIPTION: Across from Luther Branson School

CASING DIA: _____ PUMP TYPE & SIZE: Turbine

GPS FIELD LOCATION: LAT. 32° 40' 02.5" LONG. 89° 49' 05.0" W

GPS CORRECTED LOCATION: LAT. 32.667501 LONG. 89.817876

REMARKS: _____

