

TRANSMITTED FOR A
GW04579
0450010-03

Checked By WTO 11/24/86
Entered By Jan 2/16/87
Date

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

Well No. W74
E-Log No. 360
County MADISON
Agency

WELL RECORD

Ridgeland Quad
229A

Agency Code: 1 S I G S Site Id: 13212171021091010181231011 Project No.: 540101210111111
Station Name: 21W01714 MADISON Latitude: 93212171021 Longitude: 1016191010181213

Lat/Long Ac.: 1 S F T M Dist: 6=28 State: 7=28 County: 8=018191 Land Net: 13=SW1N1W1S1181T10171N1R10121E1*
Location Map: 1=K1DK1EL1A1ND1 Altitude: 393 Met/Meas: 17= A L M Accuracy: 18= 15.1 Hydrologic Unit: 20= 013118101010121

Agency Use: 33= A I O Date Inventoried: 711/11/191/1191816 Station Type: Y Data Type: 804
Structure: 806 Remarks: Relia.: 3= C L M U 2=W

4/5/95
309.28

Date of Construction: 11/15/191817 Well Use: 23= Water Use: 24= P Primary Aquifer: 714= 12141S1P1R1T1 Hole Depth: 271/610101
Well Depth: 1138101 Water Level: MU Water Level Date: 31/01/1131/11918181 Method: 34= Status: 37= Source: 33= S1

CONSTRUCTION DATA
Construction Date: 601/11/1151/11918171 Contractor: 63141515 Name: Herndon Method: 65= Finish: 66= 61

CONSTRUCTION CASING DATA
76# T=A, 725#1, 59#1, 77# 1101, 78# 1313101, 79# 121
76# T=A, 725#2, 59#1, 77# 1217101, 78# 1313101, 79# 181

CONSTRUCTION OPENINGS DATA
32# T=A, 726#2, 59#1, 83# 1313101, 84# 1318101, 87# 181, 85# S1, 89# 111, 88# 111
42# T=A, 726#2, 59#1, 83# 111, 84# 111, 87# 111, 85# 111, 89# 111, 88# 111

CONSTRUCTION LIFT DATA
2# T=A, 254#1, Lift Type: 43= Date: 38/11/1151/11918171 Intake: 44=
H.P.: 46/110101 Serial No.: 49=

ILLANEOUS OWNER DATA
58# T=A, 718#1, 159# 11/1151/11918171, 161# MADISON

ILLANEOUS OTHER ID DATA
39# T=A, 736#1, E-Log No.: 190316101 Assigner: 191# M I S S I S S I D I S I T

MISCELLANEOUS QW DATA

			Date of Measurement	Aquifer Sampled	Par. Code	Value
R=192	T=A	738#1	1934 / 12 / 11 19 81 71 *	1954 124 SPIRIT 1	196#00010	1974 33 10
R=192	T=A	738#2	1934 / 12 / 11 19 81 71 *	1954 124 SPIRIT 1	196#00095	1974 13 15 1
R=192	T=A	738#3	1934 / 12 / 11 19 81 71 *	1954 124 SPIRIT 1	196#00400	1974 8 12

MISCELLANEOUS LOGS DATA

			Log Type	Req. Depth	End Depth
R=198	T=A	739#1	199#E *	200# 14 8 1 *	201# 16 0 0 1 *
R=198	T=A	739#1	199#D *	200# 1 1 0 1 *	201# 16 0 0 1 *

MISCELLANEOUS NETWORK DATA

			Network Type	Req. Year	End Year
R=114	T=A	730#1	706#G *	115# 1 9 8 1 7 1 *	116# 1 9 1 1 *
R=121	T=A	730#1	Analysis	Agency Source	Freq.
			120# 1 *	117# 1 1 1 1 *	118# 1 *

MISCELLANEOUS REMARKS DATA

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

DISCHARGE DATA

R=146	T=A	147#1	148# / 15 / 11 19 81 71 *	703# P	150# 15 6 4 1 *	272# 11 0 1 5 *
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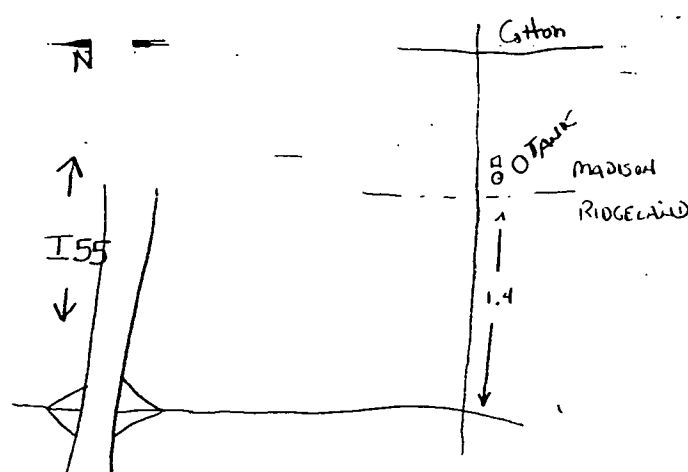
GEOHYDROLOGIC DATA

			Depth Top	Depth Bot.	Unit Id
R=90	T=A	721#1	91# *	92# *	93# *

HYDRAULIC DATA

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

pH = 8.7 Color = 15
Fe = 0.1



TOP BEDDING CLAY	0	20
BLUE CLAY	20	380
BROWN CLAY - PEAT	380	400
SHALE - SAND	400	480
SAND	480	515
CLAY	515	580
SAND	580	755
CLAY - LIMONITE	755	765
CLAY	765	870
BROWN CLAY	870	940
SHALE - SAND	940	1105
CLAY	1105	1220
SAND	1220	1375
ROCK	1375	1405
ROCK	1405	1415
SHALE	1415	1505
ROCK	1505	1605
CLAY	1605	

MADISON
4579
W 74

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

Order

NOV. 1987 date well completed 19 HERNDON WELL SUPPLY firm name MADISON county well located

LANDOWNER:	description of formations encountered	from	to
CITY OF MADISON			
P.O. BOX 40 - MADISON MS (mailing address)	TOP BROWN CLAY	0	20
	BLUE CLAY	20	380
	BROWN CLAY - PEAT	380	400
WELL LOCATION: sec 18 T 87N R 2 E	SHALE - SAND	400	480
	SAND	480	515
	CLAY	515	580
_____ miles of MADISON (distance) (direction) (nearest town)	SAND	580	755
	CLAY - LIGNITE	755	765
WELL PURPOSE: MUNICIPAL (home, irrigation, municipal, industrial)	CLAY	765	870
	BROWN CLAY	870	940
WELL COMPLETION DATA:	SHALE - SAND	940	1105
(1) diameter (inches) 12	CLAY	1105	1220
(2) total depth (feet) 1380	SAND	1220	1375
(3) static water level (feet) _____ below above top of ground.	ROCK	1375	1405
(4) casing STEEL 1330 (material) (depth)	ROCK	1405	1415
12 (size) if telescope see back.	SHALE	1415	1503
(5) screen 50 1330 (length) (depth to top)	ROCK	1503	1600
8 STAINLESS STEEL (size) (material)	CLAY	1505	1600
(6) pump 100 564 (HP) (yield gpm)			
ELECTRIC (type power)			
(7) electric log YES (yes or no)			
HERNDON WELL SUPPLY (organization running log)			
(8) how well bottom plugged _____			
BACKWASH VALVE			
DRILLERS REMARKS:			

RECEIVED

FEB 3 1988

Department of Natural Resources
Bureau of Land & Water Resources

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): AA DATE: 9-13-94

UNIT DEQ #: 84090 FILE #: B091318C

HEALTH DEPT. #: 450010-03 ELEV. 379

USGS #: W74 OLWR #: 6W04579

OWNER: City of Madison QUAD: Ridgeland

LOCATION: NW/SW S 18 T 7N R 2E COUNTY: Madison

LOCATION DESCRIPTION: Well located in lg. fenced area.

CASING DIA: _____ PUMP TYPE & SIZE: Sub 1

GPS FIELD LOCATION: LAT. 32.27.059N LONG. 90.08.468W

GPS CORRECTED LOCATION: LAT. 32.45068953 LONG. 90.14046050

REMARKS: Take E. Madison go approx. 1.5 to cotton hill, take
L. go approx. .5 well located in fence on L
side of road.



Lake Castle

MADISON CORP

Ridgeland

3595

27'30"

3594

3593

SLOAN 10 MI.

CANTON 13 MI.

(MADISON) 2948 1 NE

450013-

450013-0

25' 3590

450013-0