

7/31/96

FORM 9-1642 (1-68)

Well No. X 80

**GW01557 0610025-01 WELL SCHEDULE**  
U. S. DEPT. OF THE INTERIOR GEOLOGICAL SURVEY

WATER RESOURCES DIVISION  
**PUNC**

**MASTER CARD**

Record by: WJR Source of data: MSG Date: 5/3/71 May: John  
State: 28 County: RANKIN City: 61

Latitude: 32 07 51 N Longitude: 089 49 19 W Sequential number: 1  
Local well number: X 080 A 0603 N 05 E Other number: #1

Local use: 064 Owner or name: S. E. RANKIN W. A. Address: Johns, Miss.

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist  
Use of water: WA Stock, Instit, Unused, Recharge, Desal-P S, Desal-other, Other

Use of well: WA Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed

DATA AVAILABLE: Well-data  Freq. W/L meas.  Field-aquifer char.

Hyd. lab. data:  Qual. water data; type:

Freq. sampling:  Pumpage inventory:  Aperture cards:

Log data: Elog 5'-1329' SPRT D.E

**WELL-DESCRIPTION CARD**

SAME AS ON MASTER CARD Depth well: 1214 ft Meas. rept 3  
Depth cased: 1174 ft Casing type: steel Diam. 10x6 in 1.0

Finish: 5 porous concrete, gravel w. (perf.), gravel w. (screen), horiz. gallery, end, open perf., screen, sd. pt., shored, open hole, other  
Method: 4 Drilled: air rot., bored, cable, dug, hyd rot., jetted, percussion, rotary, reverse trenching, driven, drive wash, other

Date Drilled: 971 Pump intake setting: 330 ft  
Driller: SINGER-LAYNE

Lift (type): 7 (A) air, (B) bucket, (C) cent, jet, (L) multiple, (M) multiple, (N) none, (P) piston, (R) rot, (S) submerge, (T) turb, other Deep Shallow  
Power (type): 40 (type) diesel, elec, gas, gasoline, hand, gas, wind, H.P. LP Trans. or meter no.

Descrip. MP: 451 ft above below LSD, Alt. MP  
Alt. LSD: 450 Accuracy: T

Water Level: 295 ft above below MP; 295 ft above below LSD Accuracy: D  
Date meas: 571 Yield: 200 gpm Method determined

Drawdown: 62 ft Accuracy: 65 Pumping period: 68 hrs  
QUALITY OF WATER DATA: Iron 69 Sulfate 70 Chloride 71 Hard. 72  
Sp. Conduct 73 K x 10<sup>6</sup> Temp. 74 76 Date sampled 77 79

Taste, color, etc.

Well No. 180

FORM 9-1965 (1-68)

WELL SCHEDULE

Latitude-Longitude

**PUNCHED**  
WATER RESOURCES DIVISION  
GEOLOGIC CARD

Physiographic Province: 03 Section: WU  
 Drainage Basin: 1717 Date of data: 1/77 Subbasin: WU

Topo of well-site: 0 2 0 5 0 0  
 depression, stream channel, dunes, flat, hilltop, sink, swamp, offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER: 14 Other: 15 0 2 0 8 0 9 0 X 1 5 1 0 SPRT  
 Aquifer formation group: 150  
 Lithology: U.S. Origin: 2 Aquifer thickness: 150

Length of well-open to: 11 Depth to top of aquifer: 110  
 MINOR AQUIFER: 15 0 2 0 8 0 9 0 X 1 5 1 0  
 Aquifer formation group: 150  
 Lithology: U.S. Origin: 2 Aquifer thickness: 150

Length of well-open to: 11 Depth to top of aquifer: 110  
 MINOR AQUIFER: 15 0 2 0 8 0 9 0 X 1 5 1 0  
 Aquifer formation group: 150  
 Lithology: U.S. Origin: 2 Aquifer thickness: 150

Intervals Screened: 6 11 5  
 Depth to consolidated rock: 40 Source of data: 70  
 Depth to basement: 40 Source of data: 70

Surficial material: 70-71 Infiltration characteristics: 72  
 Coefficient Trans: 73 Coefficient Storage: 74

Coefficient Perm: 75  $\text{gpd/ft}^2$  Spec cap: 76  $\text{gpd/ft}$  Number of geologic cards: 77

**MSBON**  
 $T = 83^\circ$   $\text{Co}_2 = 0$   
 $\text{pH} = 8.5$   $\text{Mg} = 0$   
 $\text{Fe} = 0$   $\text{Ca} = 0$   
 ALK Total = 201 No = 131  
 $\text{Cl} = 6$   $\text{P} = 0$   
 $\text{SO}_4 = 65$   $327 = \text{Total} = \text{Solids}$   
 $F = 2$  hard = 0  
 Color = 0  
 WTO

Interval	Top	Bottom	Thickness	Material	Remarks
1	0	11	11	U.S.	
2	11	22	11	U.S.	
3	22	33	11	U.S.	
4	33	44	11	U.S.	
5	44	55	11	U.S.	
6	55	66	11	U.S.	
7	66	77	11	U.S.	
8	77	88	11	U.S.	
9	88	99	11	U.S.	
10	99	110	11	U.S.	

Jackson

RANKIN  
X80  
5-11-71

MISSISSIPPI  
BOARD OF WATER COMMISSIONERS  
416 North State Street  
Jackson, Mississippi 39201

ELOG #297

WATER WELL DRILLERS LOG

**CODED**

5/1/71

1971 Singes-Layne Central Dist.

Rankin

date well completed

firm name

county well located

LANDOWNER:  
Southeast Rankin Water Assoc.  
Brandon, Miss #1  
(mailing address)

WELL LOCATION:  
sec. 6 T 3 N R 5 E  
1 miles South of Johns  
(distance) (direction) (nearest town)

WELL PURPOSE: Domestic  
(home, irrigation, municipal, industrial)

WELL COMPLETION DATA:  
(1) diameter (inches) 10"  
(2) total depth (feet) 1225'  
(3) static water level (feet) 245' below top of ground.  
(4) casing steel 1174' (material) (depth) 10" and 59' x 6" (size) If telescope see back.  
(5) screen 40' (length) 1174' (depth to top) 6" Stainless Steel (size) (material)  
(6) pump 40 (HP) 200 (yield gpm) Electric (type power)  
(7) electric log yes (yes or no) Miss. Geo. Survey (organization running log)  
(8) how well bottom plugged Valve

description of formations encountered	from	to
Yellow Clay	0	15
Blue Clay	15	47
Clay, S.S. & Sand	47	73
Sand, S.S. & Clay	73	122
Clay	122	198
Spiky Clay	198	218
Rock	218	219
Clay	219	221
Rock	221	222
Clay	222	223
Rock	223	227
Clay	227	230
Rock	230	231
Hard Clay	231	250
Spiky Shale	250	274
Clay	274	369
Spiky Shale	369	581
Hard Runny Shale	581	735
Rock	735	736
Runny Shale	736	815
Fine Sand, S.S. & Clay	815	852
Fine Sand	852	910
Spiky Shale	910	1096
Rock	1096	1098
Hard Shale	1098	1114
Rock	1114	1116
Shale	1116	1125
Rock	1125	1127
Shale	1127	1129
Rock	1129	1131
Hard Shale	1131	1142
Rock	1142	1145
Hard Shale	1145	1160
Spiky Shale	1160	1174
Spiky Shale	1174	1224
Shale, S.S. & Sand	1224	1240
Fine Sand & Shale	1240	1328

**CODED**

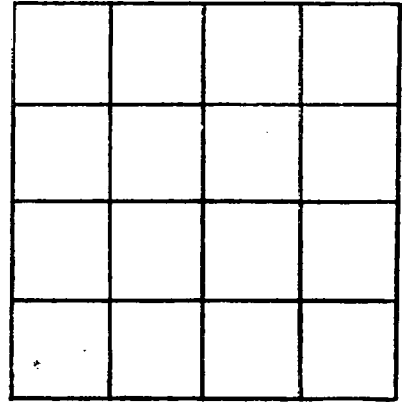
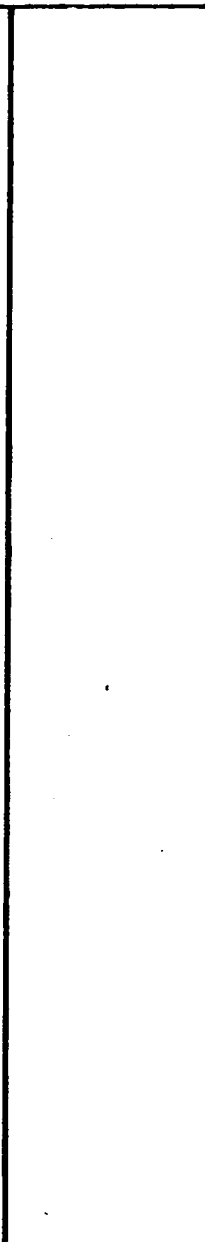
DRILLERS REMARKS:

MAY 1 1971

(X)

If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION \_\_\_\_\_

Please indicate well location X.

ADDITIONAL INFORMATION

A series of horizontal lines for providing additional information.

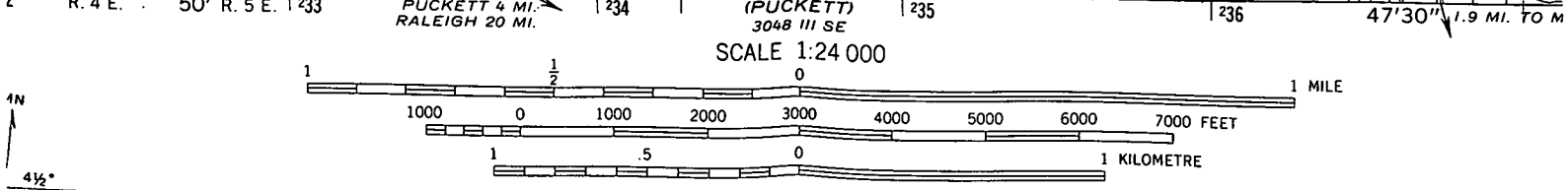
If more than one screen, show locations of each on sketch.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Phillips/Hardin DATE: 7/31/96  
UNIT DEQ #: \_\_\_\_\_ FILE #: A0731190  
HEALTH DEPT. #: 610025-01 ELEV. 451'  
USGS #: X80 OLWR #: GW01557  
OWNER: SE Rankin WA - Johns QUAD: Johns  
LOCATION: SE/NE S 6 T 3N R 5E COUNTY: Rankin  
LOCATION DESCRIPTION: At elevated tank on Johns-Mayton  
Rd 0.3 miles east of Fletcher Rd.  
CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: Turbine/40 HP  
GPS FIELD LOCATION: LAT. 32°07.826'N LONG. 89°49.269'W  
GPS CORRECTED LOCATION: LAT. 32.13089731 LONG. 89.82069788  
REMARKS: Measured 35' east of well  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



CONTOUR INTERVAL 10 FEET  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

MAGNETIC NORTH  
 CENTER OF SHEET  
 80  
 Image changes observed

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
 FOR SALE BY U. S. GEOLOGICAL SURVEY  
 DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
 A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST