

Recorded by WTO

Date 2/18/86

Agency USGS

# TRANSMITTED FOR ADP

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

WELL RECORD

Well No. K186

E-Log No. 608

County RANKIN

7/2/96

GW12596 0610017-06

PEARL

Site Id 3217110090023801 R=0\* T=A\* 2=W\* Data reliab. 3=C\* Jackson SE

Dist. 6=28\* State 7=28\* Co. 8=121\* Lat. Long./ 9=3217110\* 10=0900238\* Quad

Well NO. 127 K186\* Location 13 SW SE 1/2 T 05 N R 02 E\* Alt. 16 365\* 362

Hyd. Unit (OWDC) 20 031800102\* Date 21 1986102110\* (YYYYMMDD) 17 M\*

Agency Use 803 0\* Well Use 23 W\* Water Use 24 P\* Hole depth 27 1360\* Well depth 28 1305\*

WL 30 250\* Date 31 1986107128\* Source 33 D\*

Project No. 5\* WL=249.3 10/25/89 U=280. 3/9/95  
Cross gates

R=42\* T=A\* 254#1\* Date 38 1986107128\* Lift Type 43 T\* Intake 44\*

Power Type 45 E\* H.P. 46 150\* City of Pearl

R=58\* T=A\* 723#1\* Date 60 1986107128\* Drig 63 455\* Name Hendon, Pearl

Method 55 H\* Finish 66 G\* Remarks

R=76\* T=A\* 725#1\* 59#1\* Top csng 77 0\* Bot. csng 78 1205\* Diam. 79 16\*

R=76\* T=A\* 725#2\* 59#1\* Top csng 77 1145\* Bot. csng 78 1205\* Diam. 79 8\*

R=82\* T=A\* 726#1\* 59#1\* Top 83 1205\* Bottom 84 1305\* Type 85 S\*

Diam. 87 8\* Size 88\*

R=82\* T=A\* 726#2\* 59#1\* Top 83\* Bottom 84\* Type 85\*

87\* 88\*

R=90\* T=A\* 721#1\* Top 91 1215\* Bot 92 1350\* Unit Id 93 124 SPRT\*

R=90\* T=A\* 721#2\* Top 91\* Bot 92\* Unit Id 93\*

R=98\* T=A\* 99#1\* Unit tested 100\* 103\*

R=105\* T=A\* 99#1\* Test No. 106\* 107\* Transmissivity (gal/d)/ft

108\* Hydraul. cond. (gal/d)/ft<sup>2</sup> 110\* Storage coeff. Boundaries

GEN SITE DATA

LIFT

CONSTR.

CASING

OPENINGS

AQUIFERS

HYDRAULICS

ANAL. R=114\* T=A\* 706= Year 115# 117= 120=

R=121\* T=A\* Yr Begin 115# Network 257#

YIELD R=146\* T=A\* Flows/Pumped (circle one) 147#1\* 148= 1986/07/28\* 150= 750. Q/S 272=

OWNER R=158\* T=A\* 718#1\* Date 159# 1986/07/28\* Owner No. 161# PEARL

OTHER ID R=189\* T=A\* 736#1\* E-Log No. 190# 608\* 191= M I S S O I S T

FIELD OW R=192\* T=A\* 738#1\* Date 193# Temp 196#00010\* 197=

R=192\* T=A\* 738#2\* Date 193# Cond 196#00095\* 197=

R=192\* T=A\* 738#3\* Date 193# pH 196#00400\* 197=

LOGS R=198\* T=A\* 739#1\* Log 199# D\* Top 200= 0. Bot 201= 1360

R=198\* T=A\* 739#2\* 199# E\* 200= 50. Bot 201= 1354

Remarks: R=183# 311=

184:

description of formations encountered	from	to
TOP SOIL + CLAY	0	20
YELLOW CLAY	20	40
BLUE CLAY	40	60
BLUE-GREEN CLAY	60	500
BLUE-GREEN CLAY-SILT/SHALE	500	520
BROWN CLAY SILT-SHALE	520	680
FINE MED. SAND	680	815
CLAY-SILT	815	860
SILTY CLAY	860	910
CLAY	910	920
SAND + CLAY	920	950
ROCK	950	980
SILT/CLAY-SHALE	980	1120
CLAY	1120	1160
SILT + CLAY	1160	1215
FINE-MEDIUM SAND	1215	1310
CLAY	1310	1320
FINE SAND	1320	1350
CLAY	1350	1360

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

RANKIN  
K 186  
7-28-86

**CODED**

JULY 28 date well completed    HERNOON WELL SUPPLY INC firm name    RANKIN county well located

LANDOWNER: <u>City of Pearl</u> <u>Pearl, Mo. 39208</u> <u>P.O. Box 5948</u> (mailing address)	description of formations encountered	from	to
		0	20
WELL LOCATION: sec. <u>2</u> T. <u>5</u> N    R. <u>2</u> E  _____ miles _____ of _____ (distance) (direction) (nearest town)	TOP SOIL + CLAY	20	40
	YELLOW CLAY	40	60
WELL PURPOSE: <u>mun. city</u> (home, irrigation, municipal, industrial)	BLUE CLAY	60	500
	BLUE-GREEN CLAY <b>CODED</b>	500	520
WELL COMPLETION DATA: (1) diameter (inches) <u>16</u> (2) total depth (feet) <u>1310</u> (3) static water level (feet) <u>250</u> below top of ground. (4) casing <u>STEEL</u> <u>1205</u> (material) (depth) <u>16</u> (size) if telescope see back. (5) screen <u>101.22</u> <u>1205</u> (length) (depth to top) <u>8</u> (size) <u>STAINLESS STEEL</u> (material) (6) pump <u>150</u> <u>750</u> (HP) (yield gpm) <u>ELECTRIC</u> (type power) (7) electric log <u>YES</u> (yes or no) <u>HERNOON WELL SUPPLY, INC.</u> (organization running log) (8) how well bottom plugged <u>BACKWASH VALVE</u>	BLUE-GREEN CLAY-SILTISH	520	680
	BROWN CLAY SILT + SHALE	680	815
	FINE MED. SAND	815	860
	CLAY + SILT	860	910
	SILTY CLAY	910	920
	CLAY	920	950
	SHALE + CLAY	950	980
	ROCK	980	1120
	SILT CLAY + SHALE	1120	1160
	CLAY	1160	1215
	SILT + CLAY	1215	1310
	FINE-MEDIUM SAND	1310	1320
	CLAY	1320	1350
	FINE SAND	1350	1360
	CLAY		
DRILLERS REMARKS:			

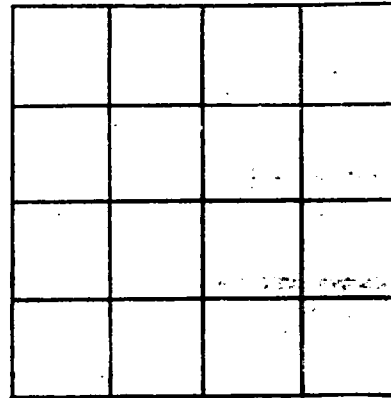
**RECEIVED**

OCT 28 1986

Department of Natural Resources  
 Bureau of Land & Water Resources

If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION \_\_\_\_\_

Please indicate well location X.

ADDITIONAL INFORMATION

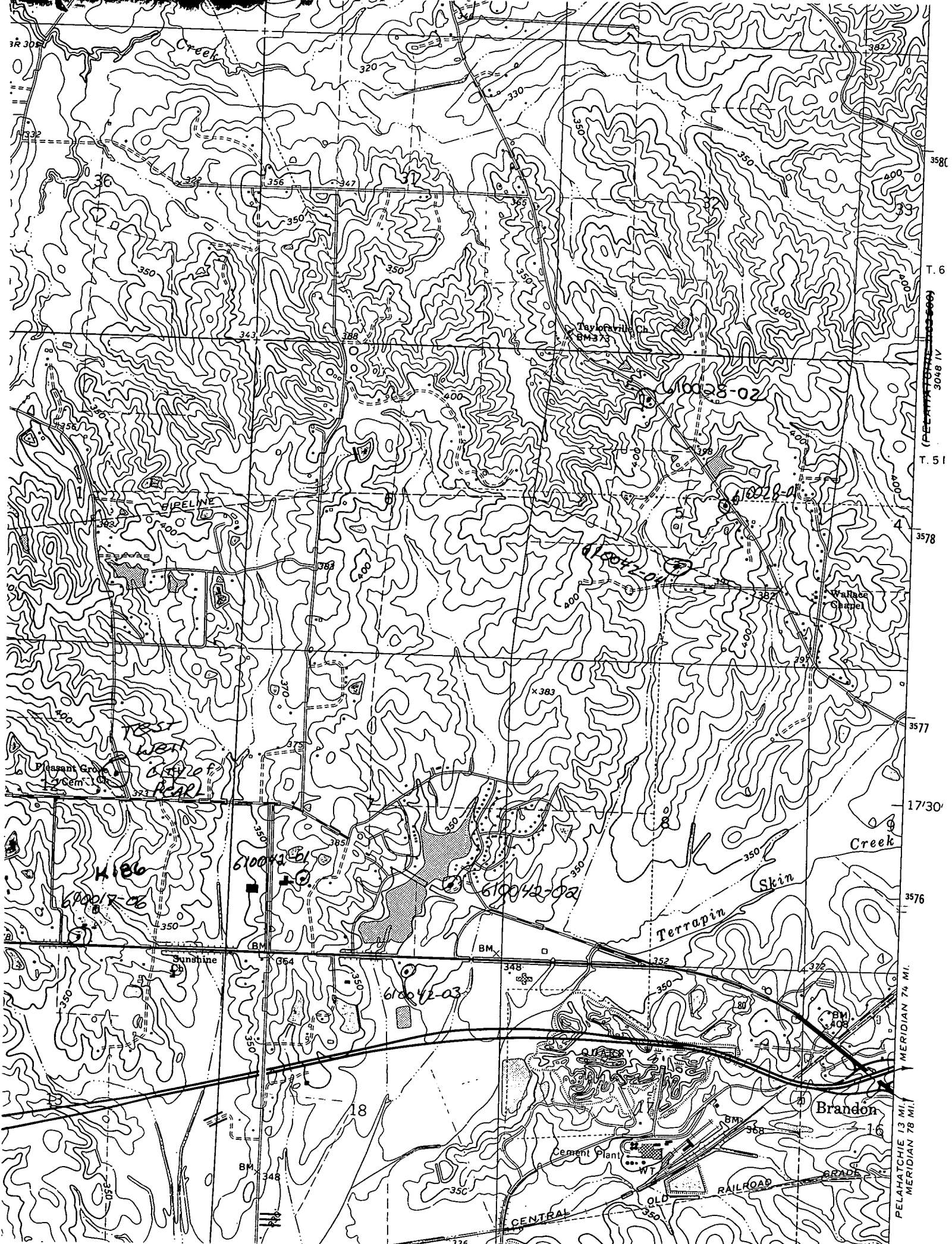
If more than one screen, show locations of each on sketch.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hardin/Phillips DATE: 7/2/96  
UNIT DEQ #: \_\_\_\_\_ FILE #: B070215A  
HEALTH DEPT. #: 610017-06 ELEV. @ 370' 362  
USGS #: K186 OLWR #: GW12596  
OWNER: City of Pearl QUAD: Jackson SE  
LOCATION: SW/SE S 12 T 5N R 2E COUNTY: Rankin  
LOCATION DESCRIPTION: In front of Walmart on edge of parking lot.  
CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: Turbine/150 HP  
GPS FIELD LOCATION: LAT. 32° 17' 06.3" N LONG. 90° 02' 42.7" W  
GPS CORRECTED LOCATION: LAT. 32.2851866 LONG. 90.04556990  
REMARKS: Measured 35' north of well.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



3R 30E

3580

T. 6

3048 IV  
(PCLAHATCHIE MERIDIAN)

T. 51

3578

3577

17/30'

3576

74 MI.  
MERIDIAN

13 MI.  
MERIDIAN  
78 MI.

Creek

320

330

350

350

400

350

350

350

400

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Taylorville Ch  
BMS 73

610038-02

610028-01

610020-01

Wallas Chapel

PIPELINE

WEST

610020-01

610017-06

H 186

610042-01

610042-02

610042-03

Sunshine

664

BM

348

352

372

BM

408

Brandon

Cement Plant

WT

CENTRAL

RAILROAD

RAILROAD

RAILROAD

376