



Well No. H5

Latitude-longitude \_\_\_\_\_

**HYDROGEOLOGIC CARD**

**Physiographic Province:** 03 **Section:** \_\_\_\_\_

**Drainage Basin:** 156 **Subbasin:** \_\_\_\_\_

**Topo of well site:** (D) 12 (C) 13 (E) 14 (F) 15 (H) 16 (K) 17 (L) 18  
 (M) 19 (N) 20 (O) 21 (P) 22 (Q) 23 (R) 24 (S) 25 (T) 26 (U) 27  
 (V) 28 (W) 29 (X) 30 (Y) 31 (Z) 32  
 depression, stream channel, dunes, flat, hilltop, sink, swamp,  
 offshore, pediment, hillside, terrace, insulating, valley flat

**MAJOR AQUIFER:** K3 **aquifer, formation, group** GΦ  
**Lithology:** S **Origin:** 2 **Aquifer Thickness:** ≥ 150 ft

**Length of well open to:** \_\_\_\_\_ ft **Depth to top of:** 1700 ft A70

**MINOR AQUIFER:** \_\_\_\_\_ **aquifer, formation, group** \_\_\_\_\_  
**Lithology:** \_\_\_\_\_ **Origin:** \_\_\_\_\_ **Aquifer Thickness:** \_\_\_\_\_ ft

**Length of well open to:** \_\_\_\_\_ ft **Depth to top of:** \_\_\_\_\_ ft

**Intervals Screened:** 40' ss macromol. 020sbt in bottom 1790-1830

**Depth to consolidated rock:** \_\_\_\_\_ ft **Source of data:** \_\_\_\_\_

**Depth to basement:** \_\_\_\_\_ ft **Source of data:** \_\_\_\_\_

**Surficial material:** \_\_\_\_\_ **Infiltration characteristics:** \_\_\_\_\_

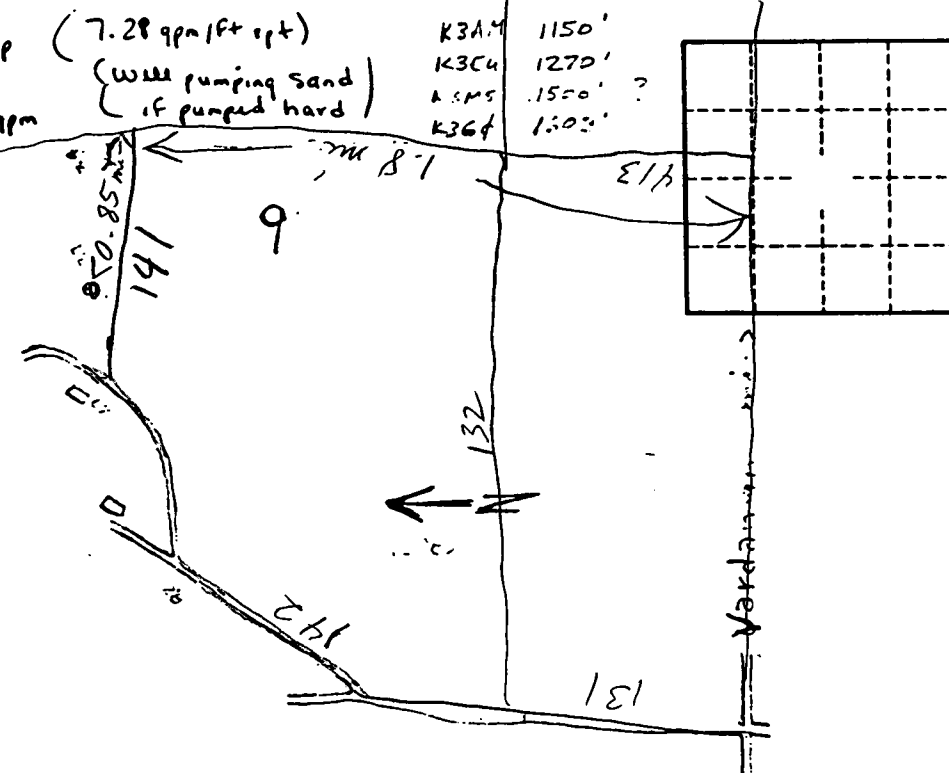
**Coefficient Trans:** \_\_\_\_\_ **Coefficient Storage:** \_\_\_\_\_

**Perm:** \_\_\_\_\_ **Spec cap:** \_\_\_\_\_ **Number of geologic cards:** \_\_\_\_\_

Herndon checked pump (7.28 gpm/ft opt)  
 Static 164.  
 pumping 182. @ 137 gpm

K3A4 1150'  
 K3C4 1270'  
 K3M5 1500' ?  
 K3G4 1500'

Kol clay sd 0-50'  
 Red clay sd 50-220  
 Blue clay shale 230-1000  
 Blue clay shale 1000-1400  
 Extra sand 1400-1600  
 Tuffaceous sand 1600-1832



WELL NO. H5

F.E. Tumlinson, Eng  
 population served 350 (94 meters)

coded

CODED

CODED

Calhoun
H 5
11-67
E-109
11-15

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

WATER WELL DRILLERS LOG

11-15 date well completed      1967 Leeper Drilling Co. firm name      Calhoun county well located

LANDOWNER:	description of formations encountered	from	to
New Liberty Water			
Acson-Vardaman Miss (mailing address)	Rock & red sand	80	230
WELL LOCATION: SE, SW, SW, sec 32 T. 135 R. 1 E	Blue Clay & shale	230	1000
5 miles NW of Vardaman (distance) (direction) (nearest town)	Blue Clay & Shale	1000	1400
WELL PURPOSE: Municipal (home, irrigation, municipal, industrial)	Clinton Shale	1400	1600
WELL COMPLETION DATA:	Trucullow Sands	1600	1832
(1) diameter (inches) 8"			
(2) total depth (feet) 1832			
(3) static water level (feet) 90 below top of ground			
(4) casing Steel 1008 (material) (depth)			
(5) screen 40' 1890' (length) (depth to top)			
(6) pump 20 160 (HP) (yield gpm)			
(7) electric log Yes (USGS # 31)			
State Geological Survey (organization running log)			
(8) how well bottom plugged Rock Pressure Valve			
DRILLERS REMARKS:			

JUL 8 1968  
 MISSISSIPPI  
 STATE BOARD OF WATER COMMISSIONERS



DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Phillips/Hardin DATE: 12/4/96

UNIT DEQ #: \_\_\_\_\_ FILE #: A120417G

HEALTH DEPT. #: 070012-01 ELEV. 350'

USGS #: H5 OLWR #: Gw12504

OWNER: New Liberty W.A. QUAD: Vardaman

LOCATION: SW/SE/SW/SW S 32 T 13 S R 1 E COUNTY: Calhoun

LOCATION DESCRIPTION: On County Rd. 431, 0.8 miles west  
of Cty Rd 433; 0.2 miles east of CR420

CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: Submersible

GPS FIELD LOCATION: LAT. 33° 53.961' N LONG. 89° 13.383' W

GPS CORRECTED LOCATION: LAT. 33.89880588 LONG. 89.22319193

REMARKS: Measured 30' south of well

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

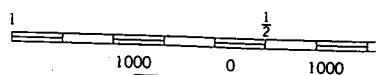
33° 53' 55.70"

89° 13' 23.49"



edited, and published by the Geological Survey  
USGS and USC&GS

by photogrammetric methods from aerial  
photos taken 1971. Field checked 1972



DERMA 5 MI.  
CALHOUN CITY 6 MI.