

108 Wood  
Mr. Charles Lowe  
(copy)

WRD Exp. (GW)  
April 1966

Well No. A4

E 109 # 31

# WELL SCHEDULE

# PUNCHED

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

JAN 24 1973

## MASTER CARD

Record by PE. Grantham Source of data Driv. & E Log Date 8-27-68 Map Pheba Quad

State Mississippi County (or town) Clay 28 13

Latitude: 33 45 05 N Longitude: 08 85 24 W Sequential number: 1

Lat-long accuracy: 2 T. 15 R. 4 W. Sec 27, NW 1/4, NW 1/4, NW 1/4 B & M

Local well number: A004602715S04E Other number: \_\_\_\_\_

Local use: 002031 Owner or name: Miss State Forestry Comm.

Owner or name: MISS FORESTRY Address: Clay Co. Fire Tower

Ownership: County, Fed Gov't, City, Corp or Co, Private, State Agency, Water Dist S

Use of water: Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec, H

Use of well: Stock, Instat, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other W

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

DATA AVAILABLE: Well data 70 Freq. W/L meas.: φ Field aquifer char. 72

Hyd. lab. data: \_\_\_\_\_ 73

Qual. water data; type: \_\_\_\_\_ 74

Freq. sampling: N Pumpage inventory: yes 76 no: period: \_\_\_\_\_

Aperture cards: \_\_\_\_\_ yes 77

Log data: E Log 5-1099 E 78 79

## WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: \_\_\_\_\_ ft 1099 Meas. 4

Depth cased: (first perf.) \_\_\_\_\_ ft 569 Casing type: Steel ; Diam. 4 in 4

Finish: porous gravel w. concrete, (perfl.), (screen), gallery, end, X

Method Drilled: air bored, cable, dug, hyd jetted, air reverse, percussion, rotary, H

Date Drilled: 9/68 9:6:8 Pump intake setting: \_\_\_\_\_ ft 36 38

Driller: Robert Ratliff Dvl Co Grenada, Miss

Lift (type): air, bucket, cent, jet, multiple, multiple, nose, piston, rot, submerg, turb, other Deep Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 1 S Trans. or meter no. \_\_\_\_\_

Descrip. MP OK (12/89) ft above LSD. Alt. MP \_\_\_\_\_

Alt. LSD: 528 5:2:8 Accuracy: (source) topo 4

Water Level: \_\_\_\_\_ ft above MP; \_\_\_\_\_ ft below LSD 3:2:0 Accuracy: \_\_\_\_\_ 6

Date meas: 9:6:8 Yield: \_\_\_\_\_ gpm 7 Method determined \_\_\_\_\_

Drawdown: \_\_\_\_\_ ft \_\_\_\_\_ Accuracy: \_\_\_\_\_ Pumping period \_\_\_\_\_ hrs \_\_\_\_\_

QUALITY OF WATER DATA: Iron \_\_\_\_\_ Sulfate \_\_\_\_\_ Chloride \_\_\_\_\_ Hard. \_\_\_\_\_

Sp. Conduct \_\_\_\_\_ K x 10<sup>6</sup> \_\_\_\_\_ Temp. \_\_\_\_\_ °F \_\_\_\_\_ Date sampled \_\_\_\_\_

Taste, color, etc. \_\_\_\_\_

Well No.

A4

A4

Well No. \_\_\_\_\_

Latitude-longitude \_\_\_\_\_  
d m s N  
d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD 03 Section: \_\_\_\_\_  
Province: \_\_\_\_\_

D Drainage Basin: 13E Subbasin: \_\_\_\_\_

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) (F) (R) (K) (L) (O) (P) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat. \_\_\_\_\_

MAJOR AQUIFER: K3 system \_\_\_\_\_ series \_\_\_\_\_ aquifer, formation, group E2

Lithology: \_\_\_\_\_ Origin: 6 Aquifer Thickness: 70+ ft

Length of well open to: \_\_\_\_\_ ft 530 Depth to top of: \_\_\_\_\_ ft 850

MINOR AQUIFER: \_\_\_\_\_ system \_\_\_\_\_ series \_\_\_\_\_ aquifer, formation, group \_\_\_\_\_

Lithology: \_\_\_\_\_ Origin: \_\_\_\_\_ Aquifer Thickness: \_\_\_\_\_ ft

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

Intervals Screened: \_\_\_\_\_

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

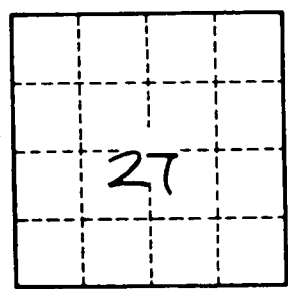
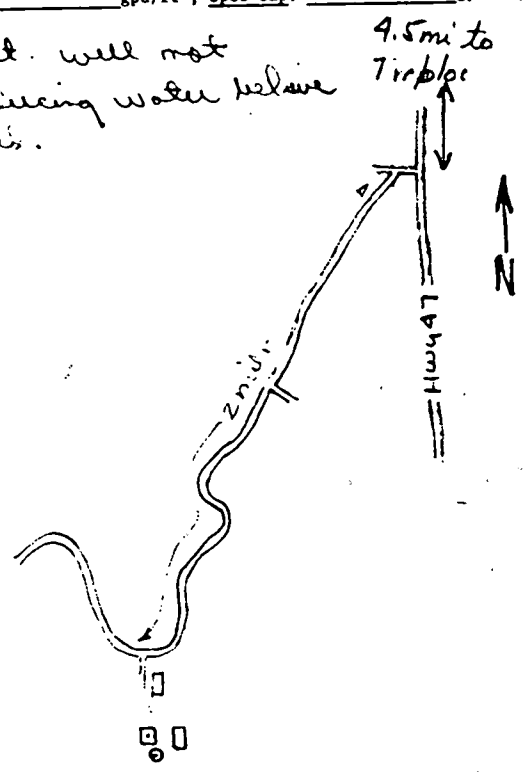
Depth to basement: \_\_\_\_\_ ft \_\_\_\_\_ Source of data: \_\_\_\_\_

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

Coefficient Trans: \_\_\_\_\_ gpd/ft \_\_\_\_\_ Coefficient Storage: \_\_\_\_\_

Coefficient Perm: \_\_\_\_\_ gpd/ft<sup>2</sup>; Spec cap: \_\_\_\_\_ gpm/ft; Number of geologic cards: \_\_\_\_\_

9/18/72 - rept. well not producing water below 200 ft.



Well No. \_\_\_\_\_

Log # 31 **CODED**

Clay  
A 4  
9-68  
WSGS  
Sept. 1968

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

WATER WELL DRILLERS LOG

68 R. E. Ratliff Co.

Clay

LANDOWNER: Miss. Forestry Commission - Jackson  
(mailing address)

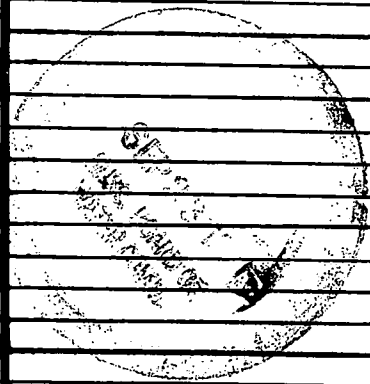
WELL LOCATION:  
sec 27 T 15 N R 4 E  
8 miles So. of Irishlee  
(distance) (direction) (nearest town)

WELL PURPOSE: for town  
(home, irrigation, municipal, industrial)

- WELL COMPLETION DATA:
- (1) diameter (inches) 4"
  - (2) total depth (feet) 569
  - (3) static water level (feet) 320 <sup>below</sup> <sub>above</sub> top of ground.
  - (4) casing st. 569  
(material) (depth)  
4"  
(size) if telescope see back.
  - (5) screen None  
(length) (depth to top)  
(size) (material)
  - (6) pump 1 7  
(HP) (yield gpm)  
electric  
(type power)
  - (7) electric log yes  
(yes or no)  
U. S. G. S.  
(organization running log)
  - (8) how well bottom plugged \_\_\_\_\_

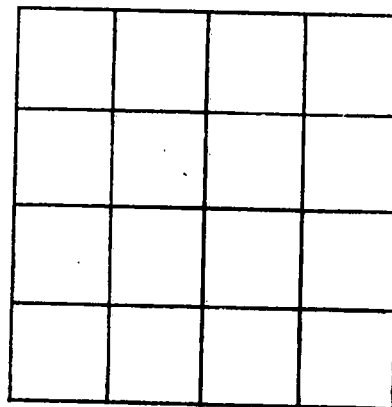
description of formations encountered	from	to
Top Soil	0	20
Sandy Shale	20	50
Sand	50	97
Sand, limestone	97	144
limestone	144	568
shale	568	755
sandy shale	755	833
fine sand	833	844
shale	844	855
rocks	855	859
sandy shale	859	942
sandy shale rocks	942	986
shale rocks	986	1008
shale	1008	1096

DRILLERS REMARKS:



If well telescopes please sketch and show depths.

GROUND LEVEL

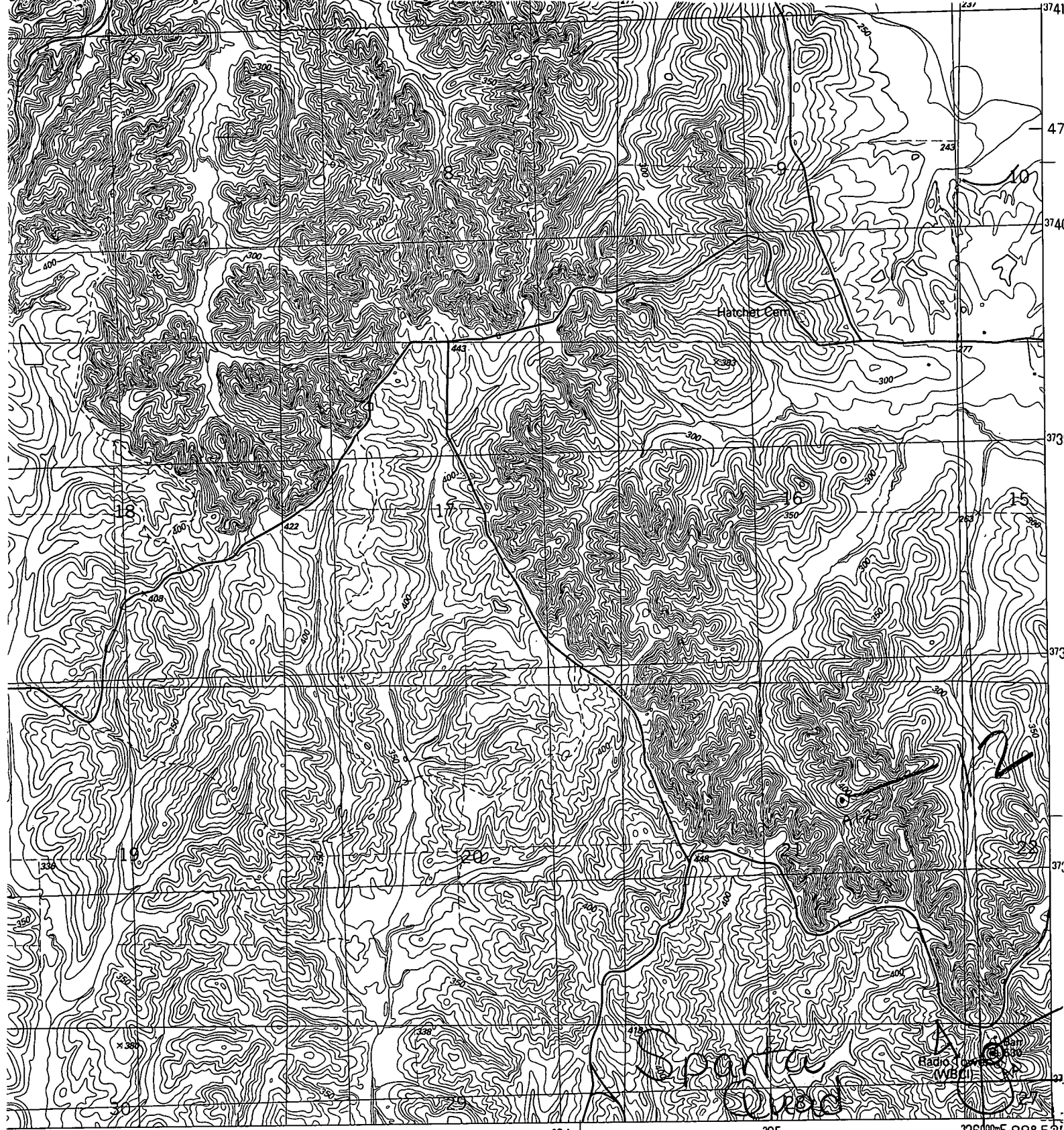


SECTION \_\_\_\_\_

Please indicate well location X.

ADDITIONAL INFORMATION

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

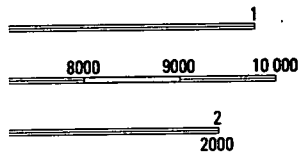


322 55' 323 324 325 326 000mE 88° 52'

● INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1987

**ROAD CLASSIFICATION**

- |  |  |
|--|--|
| Primary highway,<br>hard surface .....   | Light-duty road, hard or<br>improved surface ... |
| Secondary highway,<br>hard surface ..... | Unimproved road ...                              |
| ○ Interstate Route                       | ○ U. S. Route                                    |
|  | ○ State Route                                    |



QUADRANGLE LOCATION

**SPARTA, MISS.**

SW/4 VAN VLEET 15' QUADRANGLE  
33088-G8-TF-024