

GW619 NE Pontotoc

WRD Exp. (GW)
April 1966

Well No. C36

WELL SCHEDULE

E Log #24

U. S. DEPT. OF THE INTERIOR GEOLOGICAL SURVEY WATER RESOURCES DIVISION

MASTER CARD
Record by P.E. Grantham Source of data City Bowe Dr. v. + E. log Date 3/3/72 8-14-67 Map NE Pontotoc Sherman Quad

State Mississippi County (or town) Pontotoc

Latitude: 34 15 13 N Longitude: 088 59 33 W Sequential number: 1

Lat-long accuracy: 2 9 3 Sec 33 NE SE SW

Local well number: C036DC3309503E Other number: Well #3

Local use: 002024 Owner or name: City of Pontotoc

Owner or name: PONTOTOC Address:

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

Use of water: Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P, S, Rec, Stock, Instit, Unused, Reppure, Recharge, Desal-F S, Desal-other, Other P MU

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

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

Hyd. lab. data:

Qual. water data; type: USGS 9/73

Freq. sampling: Pumpage inventory: yes no, period:

Aperture cards: yes

Log data: E Log 5-1502 Complete samples - MSGS DE

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: 1260 ft Meas. rept. accuracy 4

Depth cased: 08 ft Casing type: Steel; Diam. 12X8 in

Finish: porous concrete, gravel w. concrete, gravel w. screen, horiz. gallery, open perf., screen, sd. pt., shored, hole, other G

Method: (A) air rot, (B) bored, cable, rot., (C) dug, (D) hyd. rot., (E) jetted, (F) air percussion, (G) reverse-rotary, (H) air drive, (I) air wash, (J) other H

Date Drilled: 9/68 Pump intake setting: 560 ft

Driller: Robert Rotliff Grenada Miss King Engrs, Memphis

Lift (type): (A) air, (B) bucket, (C) cent., (D) jet, (E) multiple, (F) multiple, (G) none, (H) piston, (I) rot., (J) submerg., (K) turb., (L) other T Deep Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 125 W Trans. or meter no.

Descrip. MP Top of air vent 2 ft above/below LSD, Alt. MP

Alt. LSD: 480 Accuracy: 20' CI

Water Level: 295 ft above/below MP; Ft above/below LSD 293 Accuracy:

Date meas: 1/26/68 Yield: 168 gpm 500 Method determined

Drawdown: 168 ft Accuracy: 500 Pumping period: 1 hrs

QUALITY OF WATER DATA: Iron Sulfate Chloride Hard.

Sp. Conduct 540 K x 10⁶ 7 Temp. 22.5 Date sampled 9-5-73 973

Taste, color, etc. PH = 8.0

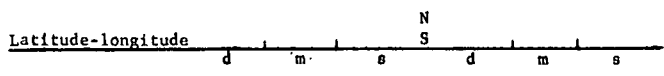
EP 24 1973
Should be
SE, NE, SW

TRANSMITTED FOR ADP
NE Pontotoc

Well No. C36

Drillers' log says well completed 9/68

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HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD Physiographic Province: 03 Section: _____

Drainage Basin: D 15F Subbasin: _____

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) offshore, pediment, hillside, terrace, undulating, valley flat

*This well all Gordo
EHB
9/15/76
ETOP 13 932*

MAJOR AQUIFER: system _____ series K3 aquifer, formation, group E2 + K3MS

Lithology: S Origin: 3 Aquifer Thickness: 160 ft

Length of well open to: 16 ft Depth to top of: 1108 ft

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: *(60' of 8" screen .030-.040 between 1100 & 1260) 1108-1168 .030" - Euro
1240-1260 .040" - Gordo*

Depth to consolidated rock: _____ ft Source of data: _____

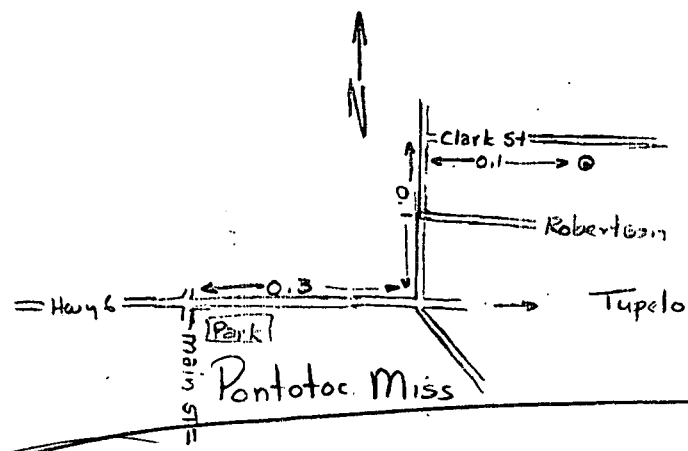
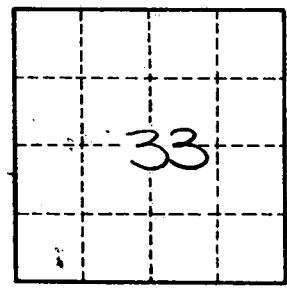
Depth to basement: _____ ft Source of data: _____

Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: 562 gpd/ft Coefficient Storage: _____

Coefficient Perm: 350 gpd/ft²; Spec cap: 1.5 gpm/ft; Number of geologic cards: _____

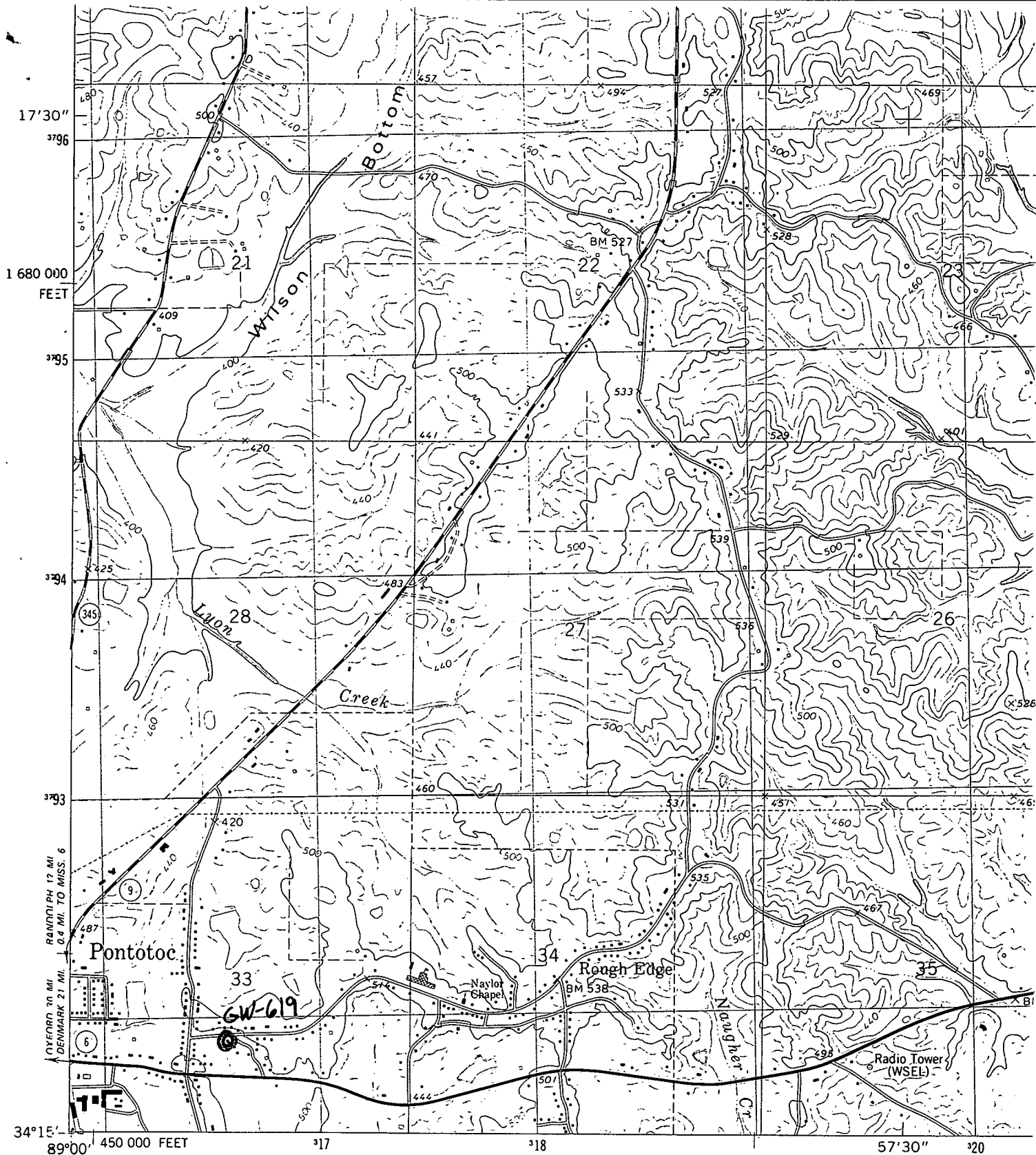
1100-1260 underreamed 32" hole



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Reported depths to top of screen and screen lengths do not fit best section on e-log.

3/3/72 Well pumps 450 gpm and a little fine blk sand. Accord to Sam Todd, City records say well 1260' with 1108' of 12" + 80' screen.



SOUTHWEST PONTOTOC
3152 II NE

Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

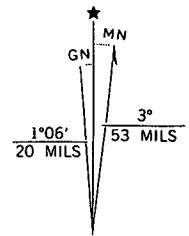
Topography by photogrammetric methods from aerial photographs taken 1975. Field checked 1976. Map edited 1980

Projection and 10,000-foot grid ticks: Mississippi coordinate system, east zone (transverse Mercator)
1000-meter Universal Transverse Mercator grid, zone 16
1927 North American Datum

To place on the predicted North American Datum 1983 move the projection lines 9 meters south and 5 meters east as shown by dashed corner ticks

There may be private inholdings within the boundaries of the National or State reservations shown on this map

Fine red dashed lines indicate selected fence and field lines where



UTM GRID AND 1980 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

CODED

ELOG #24

Pontotoc
C-36
9-68

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

CODED

WATER WELL DRILLERS LOG

Dept. 1968 Robert E. Kelley Pontotoc
date well completed firm name county well located

LANDOWNER: City of Pontotoc, Miss.
(mailing address)

description of formations encountered	from	to
Red clay	0	58
sand	58	76
hard clay	76	101
sand	106	18
clay	180	22
sandy clay	220	26
sandy shale w/ H. clay, silt	260	53
gray muddy sand	530	58
hard clay	580	72
sandy shale	720	78
fine gray sand	780	82
hard clay	820	95
hard sand	950	110
gray sand	1100	111
hard white clay	1140	115
sand	1150	112
hard clay	1175	118
sand	1185	120
hard clay	1206	12
sand	1215	122
hard clay	1226	124
sand	1240	126
hard white rock	1260	150

WELL LOCATION:
sec 33 T 9 N R 3 E
W
Town
(distance) (direction) (nearest town)

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

- WELL COMPLETION DATA:
- (1) diameter (inches) 12 x 8
 - (2) total depth (feet) 1188
 - (3) static water level (feet) 330 below top of ground.
 - (4) casing Blk. 1108 (material) (depth)
12" (size) If telescope see back.
 - (5) screen 80' 1108 (length) (depth to top)
8" (size) P. steel (material)
 - (6) pump 125 500 (HP) (yield gpm)
electric (type power)
 - (7) electric log Yes (yes or no)
U.S.G.A. (organization running log)
 - (8) how well bottom plugged S.S. Plug

DRILLERS REMARKS:

CODED

