

GW00817
DOH # 0070010-01
GPSd 7/29/97 PP/DH

GW817

WRD Exp. (GW)
April 1966

Well No. 024

WELL SCHEDULE

E-log 28

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

PUNCHED and VERIFIED
ROLLA COMMUNICATION BRANCH

MASTER CARD

Record by: P. Jessup Source of data: MSGS Date: 9-7-66 Map: SAREPTA 92-D

State: Mass. County: Calhoun (or town) 10 Sequential number: 07

Latitude: 34° 02' 21" N Longitude: 08° 09' 21" W

Lat-long accuracy: 2 T. 12 S. R. 2 Sec. 24 SW SE NE

Local well number: C024BD2412S02W Other number: Well #1

Local use: 053028 Owner or name: Mt. Comfort Water Assoc. Bruce, Mass

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

Use of water: (A) Air cond, Bottling, Comm, Dewater, Power, Fire, Dom, Irr, Med, Ind, P S, Rec. P

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

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

Hyd. lab. data:

Qual. water data; type: MS004 8/27 USGS 12/70

Freq. sampling: Pumpage inventory: period:

Aperture cards:

Log data: E-log 440-1945 ft.

WELL-DESCRIPTION CARD

Depth well: 1945 ft Meas. rept. accuracy 1:9:2:5

Depth cased; (first perf.) 1:8:8:5 ft Casing type: Steel; Diam. 10 X 6 in

Finish: porous concrete, gravel w. concrete, (perf.), (screen), gallery, end. S

Method Drilled: (A) air rot, (B) bored, (C) cable, (D) dug, (R) hyd jetted, (J) air rot., (P) percussion, (R) reverse, (T) trenching, (V) driven, (W) drive wash, other A

Date Drilled: 8-18-66 9:6:6 Pump intake setting: 20 ft

Driller: J. M. Parker Dr., Co.

Lift (type): (A) air, (B) bucket, (C) cent., (J) jet, (L) multiple, (M) multiple, (N) none, (P) piston, (R) rot., (S) submerg, (T) turb., other T Deep Shallow

Power (type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. 20 Trans. or meter no. 410

Descrip. MP 410 ft above LSD. Alt. MP 410

Alt. LSD: 395 Accuracy: 395

Water Level: 1:3:5 ft above below MP; Accuracy: 1:3:5

Date meas: 0:6:6 Yield: 1:5:0 gpm Method determined 4

Drawdown: 8 @ 100 gpm Accuracy: 1:5:0 Pumping period: 1:5:0 hrs

QUALITY OF WATER DATA: Iron 22 ppm Sulfate 0 ppm Chloride 235 ppm Hard. 56 ppm

Sp. Conduct 997 K x 10⁶ Temp. 32.0 Date sampled 12-3-70

Taste, color, etc. pH 7.9 Fe .3 Cl 250

Etov. 1/4, 1/2 don't match

1988
WL = 225.55

5/31/91
DH/JE
255.00
- 25.17
229.83
- 2.50
227.33

10/24/78
WL = 200.

Well No.

C24

Well No. _____

Latitude-longitude _____

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD

Physiographic Province: _____ Section: 03

Drainage Basin: D Subbasin: 156

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

MAJOR AQUIFER: system _____ series: K3 aquifer, formation, group: GΦ

Lithology: _____ Origin: 2 Aquifer Thickness: ≥ 81 ft

Length of well open to: #20 ft Depth to top of: 1864 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: 1865-1925 ft 40' x 6" ss screen

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

Depth to basement: _____ ft Source of data: _____

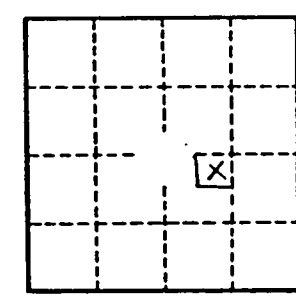
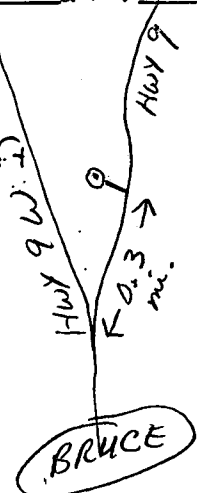
Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: _____ gpd/ft _____ Coefficient Storage: _____

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

40 feet of blank on bottom

- Chalk w/shale fine 0 - 730 ft
- Clays
- Sandy w/shale 730 - 835
- Very loose formation 835 - 1000
- Pattern w/strains
- Sand
- Tight w/clay shale 1000 - 1085
- Loose w/sand 1085 - 1300
- Tight clays + chalk 1300 - 1560
- Sand w/shale 1560 - 1680
- Sandy, w/quimbo 1680 - 1800
- Sand w/gravel 1800 - 1945



K3AM 1462 Φ
 K3EU 1563
 K36P ?

See E-log (stopped in sand)

Sam Smith, Eng
 Population served 350 (90 meters)
 4,000 gal ground tank

WL's 135' (1966)
 200' (1979)
 227' (1982)

Well No.

C24

CODED

Calhoun
C24
10-66
M.G.S.

CW 00817

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

CODED

WATER WELL DRILLERS LOG

Oct. 66 19 T.M. Parks Drly Co. Calhoun
date well completed firm name county well located

LANDOWNER:	description of formations encountered	from	to
<u>Mt. Comfort</u>			
<u>BRUCE, MISS.</u>	<u>Chalk w/ Shale Fine</u>	<u>0</u>	<u>730</u>
(mailing address)	<u>CLAYS</u>		
	<u>Sandy w/ Shale</u>	<u>730</u>	<u>835</u>
WELL LOCATION:	<u>VERY LOOSE FORMATION</u>	<u>835</u>	<u>1000</u>
sec <u>24</u> T <u>12</u> S R <u>2</u> E W	<u>Bottom w/ streaks</u>		
<u>1</u> miles <u>North</u> of <u>BRUCE</u>	<u>Sand</u>		
(distance) (direction) (nearest town)	<u>Tight w/ clays shale</u>	<u>1000</u>	<u>1085</u>
	<u>Loose w/ sands</u>	<u>1085</u>	<u>1300</u>
WELL PURPOSE: <u>MUNICIPAL</u>	<u>Tight clays + chalk</u>	<u>1300</u>	<u>1500</u>
(home, irrigation, municipal, industrial)	<u>Sand w/ shale</u>	<u>1500</u>	<u>1680</u>
WELL COMPLETION DATA:	<u>Sandy w/ Combo</u>	<u>1680</u>	<u>1800</u>
(1) diameter (inches) <u>10"</u>	<u>Sand w/ gravel</u>	<u>1800</u>	<u>1945</u>
(2) total depth (feet) <u>1945</u>	<u>TD</u>		<u>1945</u>
(3) static water level (feet) <u>135</u> below top of ground.			
(4) casing <u>steel</u> <u>445</u> (material) (depth)			
<u>6</u> (size) if telescope see back.			
(5) screen <u>40</u> <u>1885</u> (length) (depth to top)			
<u>6</u> (size) <u>Stainless</u> (material)			
(6) pump <u>20</u> <u>150</u> (HP) (yield gpm)			
<u>3 phase</u> (type power)			
(7) electric log <u>YES</u> (yes or no) (USGS #28)			
<u>Miss Survey</u> (organization running log)			
(8) how well bottom plugged <u>BPU</u>			
DRILLERS REMARKS:			

APR 17 1969

MISS. BD. OF WATER COMM.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Phillips/Hardin DATE: 7/29/97

UNIT DEQ #: _____ FILE #: B072920A

HEALTH DEPT. #: 0070010-01 ELEV. 400'

USGS #: C24 OLWR #: GW817

OWNER: mt Comfort W.A. QUAD: Sarepta

LOCATION: SE/NE S24 T12S R2W COUNTY: Calhoun

LOCATION DESCRIPTION: 0.2 miles
North of junction of Hwy 9 & 9W

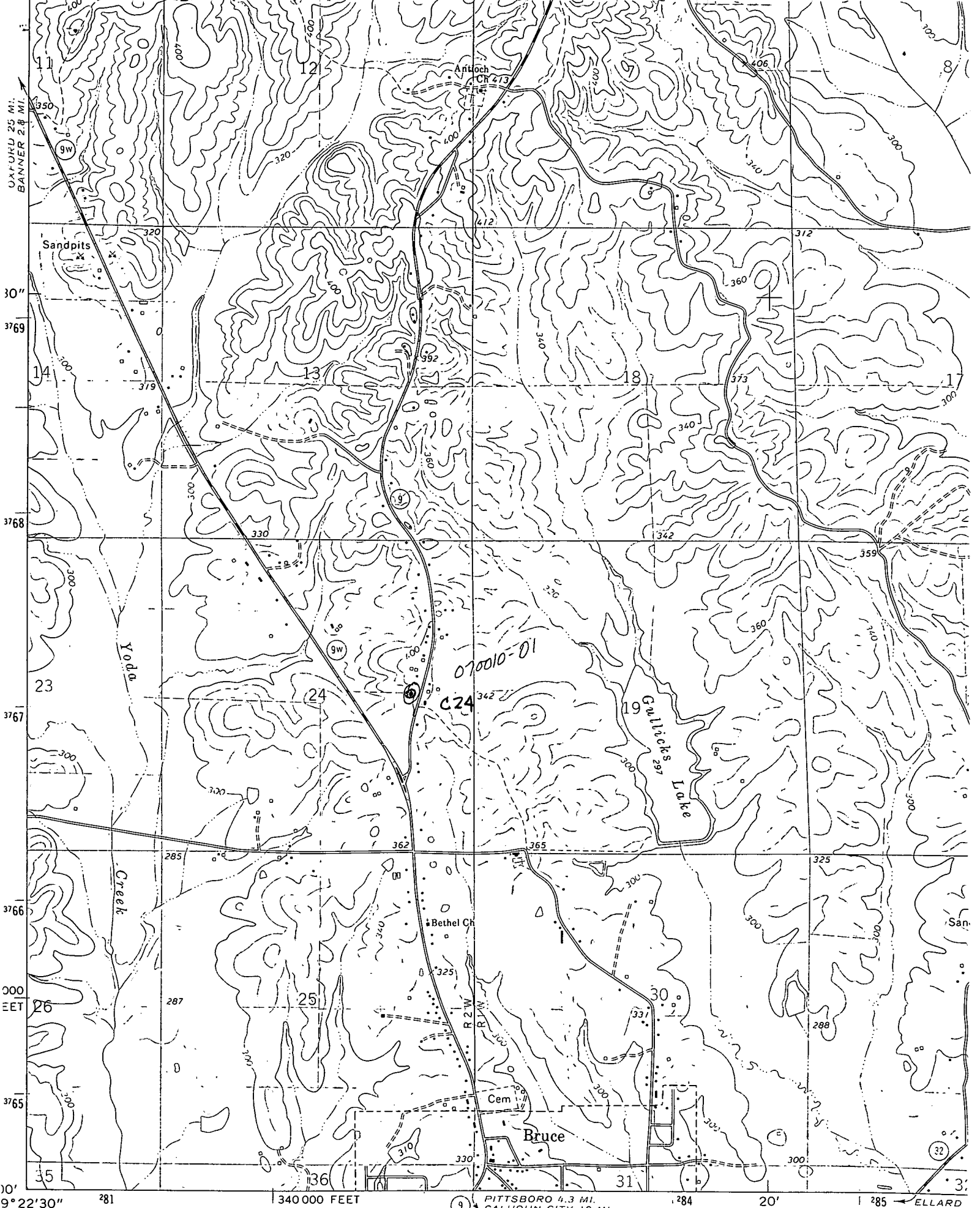
on Hwy 9

CASING DIA: _____ PUMP TYPE & SIZE: _____

GPS FIELD LOCATION: LAT. 34° 01' 25.9" N LONG. 89° 21' 11.3" W

GPS CORRECTED LOCATION: LAT. 34.023³27 LONG. 89.35318014

REMARKS: measured 50' east of well



DAFOKU 25 MI.
BANNER 2.8 MI.

30"
3769
3768
3767
3766
000
EET
3765
10'

9° 22' 30" 281 | 340 000 FEET (9) PITTSBORO 4.3 MI. CALHOUN CITY 10 MI. 284 20' | 285 ELLARD 44 MI. TC

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