FORM 9-1642
(1-68)

Well No. B30

WELL SCHEDULE

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

PUNCHED

MASTER CARD

Record by JCM Source of data BOWC Date 12-71 Map

State [28] County (or town) Marshall [47]

Latitude: [3 4 5 7 2 8] N S Longitude: [0 8 9 3 1 5] Sequential number: [1]
deg min sec — 12 degrees 15 min sec

Lat-long accuracy: [5] T 1 S R 3 E Sec 33, ¼, ¼, ¼ B & M

Local well number: [B 0 3 0 3 3 0 1 5 0 3 W] Other number:

Local use: [2 1 2] Owner or name:

Owner or name: [P L MCDUGLE] Address: Mt. Pleasant

Ownership: (C) County, (F) Fed Gov't, (M) City, (N) Corp or Co, (P) Private, (S) State Agency, (W) Water Dist [P]

Use of water: (A) Air cond, (B) Bottling, (C) Comm, (D) Dewater, (E) Power, (F) Fire, (H) Dom, (I) Irr, (M) Med, (N) Ind, (P) P S, (R) Rec, (S) Stock, (T) Instit, (U) Unused, (V) Repressure, (W) Recharge, (X) Desal-P S, (Y) Desal-other, (Z) Other [H]

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (Φ) Obs., (P) Oil-gas, (R) Recharge, (T) Test, (U) Unused, (W) Withdraw, (X) Waste, (Z) Destroyed. [W]

DATA AVAILABLE: Well data [ ] Freq. W/L meas.: [Ø] Field aquifer char. [ ]

Hyd. lab. data: [ ]

Qual. water data; type: [ ]

Freq. sampling: [ ] Pumpage inventory: yes / no, period: [ ]

Aperture cards: yes [ ]

Log data: [D]

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: [ ] ft [1 4 5] Meas. rept accuracy [3]

Depth cased (first perf.): [ ] ft [1 3 9] Casing type: PVC; Diam. [4] in

Finish: (C) porous concrete, (F) gravel w. (perf.), (G) gravel w. (screen), (H) horiz. gallery, (Φ) open end, (P) perf., screen, sd. pt., (S) shored, (T) open hole, (W) other, (X) [5]

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

Date Drilled: [9 7 1] Pump intake setting: [ ] ft

Driller: Dean & Kent Bumpas (name) (address)

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

Power (type): diesel, elec, nat gas, gasoline, hand, LP gas, wind; H.P. 3/4 [5] Trans. or meter no.

Descrip. MP [ ] ft above/below LSD, Alt. MP [ ]

Alt. LSD: [ ] Accuracy (source): [ ]

Water Level [ ] ft above/below MP; Ft above/below LSD [1 0 0] Accuracy: [D]

Date meas: [D 7 1] Yield: [ ] gpm [1 2] Method determined [ ]

Drawdown: [ ] ft Accuracy: [ ] Pumping period [ ] hrs

QUALITY OF WATER DATA: Iron [ ] ppm Sulfate [ ] ppm Chloride [ ] ppm Hard. [ ] ppm

Sp. Conduct [ ] K x 10^6 Temp. [ ] °F Date sampled [ ]

Taste, color, etc. [ ]

Well No. B30

Well No. _____

Latitude-longitude N S d m s d m s

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD (1–19) Physiographic Province: 03 (20–21) Section: _____

D (22) Drainage Basin: 16N (23–25) Subbasin: _____ (26)

Topo of well site: (D) depression, (C) stream channel, (E) dunes, (F) flat, (H) hilltop, (K) sink, (L) swamp, (O) offshore, (P) pediment, (S) hillside, (T) terrace, (U) undulating, (V) valley flat _____ (27)

MAJOR AQUIFER: _____ system, _____ series (28–29) _____ aquifer, formation, group (30–31)

Lithology: _____ (32–33) Origin: _____ (34) Aquifer Thickness: 45 ft

(35–37) Length of well open to: _____ ft (38–40) 60 Depth to top of: _____ ft (41–43) 100

MINOR AQUIFER: _____ system, _____ series (44–45) _____ aquifer, formation, group (46–47)

Lithology: _____ (48–49) Origin: _____ (50) Aquifer Thickness: _____ ft

(51–53) Length of well open to: _____ ft (54–56) Depth to top of: _____ ft (57–59)

Intervals Screened: 4" Gravel Wall

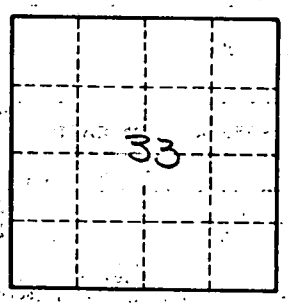
Depth to consolidated rock: _____ ft (60–63) Source of data: _____ (64)

Depth to basement: _____ ft (65–68) Source of data: _____ (69)

Surficial material: _____ (70–71) Infiltration characteristics: _____ (72)

Coefficient Trans: _____ gpd/ft (73–75) Coefficient Storage: _____ (76–78)

Coefficient Perm: _____ gpd/ft^2; Spec cap: _____ gpm/ft; Number of geologic cards: _____ (79)



Well No. D 30

GPO 937-142

Marshall Co.

B317

PHYSICAL AND CHEMICAL WATER ANALYSES
MS DEPARTMENT OF HEALTH ENVIRONMENTAL LABORATORY

3457250893029 01

PWS ID#.....: 0470091
SYSTEM NAME.: H. W. BYERS HIGH SCHOOL
COUNTY.....: MARSHALL
TYPE SAMPLE.: WELL
COLLECTED BY: LARRY BRITT

WORK ORDER....: 012594-414
LAB ID#.....: 940125-002P
DATE COLLECTED: 01/24/94
DATE RECEIVED.: 01/25/94

WELL ID NO...: 470091-01
WELL LOCATION: NORTH SIDE OF BUILDING

YEAR CONSTRUCTED...:
DEPTH (FT.).....:
CASING (IN.).....:
SCREEN SIZE (IN.)..:
SCREEN LENGTH (FT.):

LATITUDE.....: 345725
LONGITUDE.....: 892935
DRAWDOWN (FT.):
SWL (FT.).....:
CAPACITY (GPM):
AT PSI.....:

INFORMATION SOURCE:
INFORMATION DATE: / /

PHYSICAL CHARACTERISTICS:

Turbidity		NTU
Field Temperature		°F
Color	5	PC Units
Sp. Conductance		umhos
Odor		

CHEMICAL PARAMETERS:

pH (Field): pH (Lab)	6.8	
Alkalinity (P) as CaCO3	0	mg/l
Alkalinity (T) as CaCO3	11	mg/l
Chloride	11	mg/l
Sulfate	<3.0	mg/l
Fluoride	<0.1	mg/l
Nitrogen as NO2		mg/l
Nitrogen as NO3		mg/l
Free Carbon Dioxide	4	mg/l
Iron (Field)		mg/l
Iron (Lab)	<0.1	mg/l
Magnesium	.6	mg/l
Manganese	.001	mg/l
Calcium	1.6	mg/l
Sodium	3.7	mg/l
Potassium	<1.0	mg/l
Silica		mg/l
Total Dissolved Residue	27	mg/l
Ca+Mg Hardness as CaCO3	7	mg/l

COMMENTS:

pc: Regional Engineer
County Environmentalist
Larry Britt
Bill Oakley, USGS