GW 13037

DOH # 150004-01

FORM 9-1642 (1-68)

Well No. J29

WELL SCHEDULE

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

MASTER CARD

Record by BEW Source of data Driller Date 11/65 Map Gallman

State 28 County (or town) Grant 15

Latitude: 31 55 49 N deg min sec S Longitude: 119 02 31 6 degrees min sec Sequential number: 1

Lat-long accuracy: 3 T 10 N S, R 20 E W Sec 15 NE NW¼, NW¼, NE¼ B & M

Local well number: J029BA1501N02W Other number:

Local use: 184 N65 70 Owner or name: COPIAH W.A.

COPIAH W.A. Owner or name: ALLMAN Address:

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

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 WA P

Use of well: (A) Anode, (D) Drain, (G) Seismic, (H) Heat Res, (O) 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.: O Field aquifer char. N

Hyd. lab. data:

Qual. water data; type: USGS 8/71 C

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

Aperture cards: CTHL yes

Log data:

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth well: ft 215 Meas. rept C

Depth cased: (first perf.) ft 175 Casing type: ; Diam. 8X6 accuracy in 9

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

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: 9/65 Pump intake setting: ft

Driller: Shiner Drlg. Co. name, Columbia 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 T Deep Shallow

Power (type): diesel, elec, gas, gasoline, hand, nat gas, LP gas, wind; H.P. 10 W Trans. or meter no.

Descrip. MP 47A ft above below LSD, Alt. MP

Alt. LSD: 472 Accuracy: (source) 5

Water Level ft above below MP; Ft above below LSD 314 Accuracy: D

Date meas: N65 Yield: gpm 150 Method determined

Drawdown: ft 22 Accuracy: Pumping period hrs 21

QUALITY OF WATER DATA: Iron .2 ppm Sulfate 11 ppm Chloride 10 ppm Hard. 5 ppm

Sp. Conduct K x 10^6 Temp. °F 200 Date sampled 8 71

Taste, color, etc. pH 5.2

6/14/94 CAR/DRB

Well No. J29

Well No. J29

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: 13V (23–25) Subbasin: (26)

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

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

Lithology: _____ S (32–33) Origin: _____ 3 (34) Aquifer Thickness: _____ ft

510 (35–37) Length of well open to: _____ ft 40 (38–40) Depth to top of: _____ ft 165 (41–43)

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: _____

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

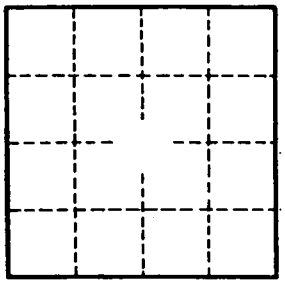
Depth to basement: _____ ft (65–68) Source of data: _____ (69)

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

Coefficient Trans: 30,000 gpd/ft (73–75) 303 Coefficient Storage: _____ (76–78)

Coefficient Perm: 600 gpd/ft^2; Spec cap: 7.0 gpm/ft; Number of geologic cards: _____ (79)

0 - 10 Top soil
10 - 131 Sd + gr.
131 - 165 Blue Shale
165 - 215 Sd



Well No. J29

GPO 937-142

J-29

FORM BLW-AP-1
(rev. 10/88)
The box below is for office use only. MOCN

Issued: 10-8-91 Expires: 10-8-2001	Fee Paid	✓	Permit No. GW-13037
Lat. 31-55-56 Long. 90-23-19 Elev. 472			USGS No.
Quad. GALLMAN Dist.			Basin No. 03180003
STAC			Dam Inv. No.
			Dam appl. No.

Dept. of Natural Resources, Bureau of Land and Water Resources, P.O. Box 10631, Jackson, MS 39289-0631

RECEIVED
OCT 05 1990
Department of Natural Resources
Bureau of Land & Water Resources

APPLICATION FOR PERMIT TO DIVERT OR WITHDRAW FOR BENEFICIAL USE THE PUBLIC WATERS OF THE STATE OF MISSISSIPPI

This application is for (circle one): (GROUNDWATER) SURFACE WATER

Beneficial Use (circle one or more): Irrigation Fish Culture Municipal (Rural Water Association) Industrial
Recreation Institutional (Examples: Church, School) Commercial (Examples: Hotel, Restaurant) Livestock Standby
Fire Protection Flood Protection Other: _____

LANDOWNER:

Copiah Water Association, Inc. (Name) 64-0475110 (S/S or Tax ID No.)

P. O. Box 325 (Address)

Gallman (City) MS 39077 (State and Zip) (601) 892 - 3738 (Telephone Number)

HD # 15004-01

APPLICANT, AGENT, OR LESSEE (If different from Landowner):

_____ (Name) _____ (S/S or Tax ID No.)

_____ (Address)

_____ (City) _____ (State and Zip) ( ) - (Telephone Number)

Location of diversion/withdrawal point (A suitable location map must accompany this application):

NW 1/4 of the NE 1/4 of Section 15, Township 1N, Range 2W, County Copiah

Volume of water diverted/withdrawn (Choose "a", "b", "c", or "d" ["d" is for units other than those shown in "a", "b", or "c"]):

(a) _____ acre-feet per year at a maximum rate of _____ gallons per minute

(b) .14 million gallons per day at a maximum rate of 200 gallons per minute

(c) _____ acre feet of storage at normal pool

(d) _____ per _____ at a maximum rate of _____

Construction ~~of proposed work will begin on~~ (date) _____, 19___ and will be completed by (date) _____, 19___.
Complete

Water will be used from (month) _____ to (month) _____ each year.

Does the land to which this application pertains have any source(s) of water other than that for which you are now applying (circle one)?
YES (NO) If yes, describe the nature and amount of any additional supply and, if applicable, list permit numbers.

_____

SECTION A (to be completed if application is for surface water source)

1. Source of water is from _____ which drains into _____ which drains into _____ which drains into _____
2. Description of pump/diversion works:
   (a) Pump (size and type): _____ Power Unit (size and type): _____
   Lift: _____ feet Maximum capacity: _____ gallons per minute.
   (b) Name of storage reservoir: _____ Dam height: _____ feet.
   Surface area at normal pool: _____ acres. Storage capacity at normal pool: _____ acre-feet.

(Continued on back)

SECTION B (to be completed if application is for groundwater source)

1. Source of water is _____ aquifer.
2. Description of proposed water well:
   (a) DEPTH OF WELL: 250 feet. DRILLER (name): _____.
   (b) SURFACE CASING: Length: _____ feet. Diameter: 8 inches. Type: _____.
   (c) SCREEN: Length: _____ feet. Diameter: 6 inches. Type: _____.
   (d) PUMP: Type: _____. Size: _____. Capacity: 200 gallons per minute.
   Number of stages: _____ Setting depth: _____ feet.
   (e) POWER UNIT: Type: _____. Size: _____ horsepower.
   (f) TYPE OF COMPLETION: _____.

WATER USE DATA:

If for IRRIGATION, FISH CULTURE or any other areal use, show the number of acres to which water will be applied in the appropriate 40-acre block(s). Acreage must be shown on accompanying location map.

TOWN-SHIP	RANGE	SEC-TION	NE1/4				NW1/4				SW1/4				SE1/4				TOTALS
			NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	NE1/4	NW1/4	SW1/4	SE1/4	

1. **IRRIGATION**: List the number of acres of each crop to be irrigated: Rice _____; Cotton _____; Soybeans _____; Corn _____; Pasture _____; Truck _____; Wheat _____; Oats _____; Grain sorghum _____; Other (specify) _____ Acres _____
2. **FISH CULTURE:** Explain how water will be used: _____

   How often will reservoir(s) be emptied and refilled? _____.
3. **MUNICIPAL** or **WATER ASSOCIATION**

   Choose "a" or "b". (a) The number of people served is _____. (b) The number of connections/customers is _____.

   What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty years? 142,000 (Volume) 1990 (Year); 156,000 (Volume) 1995 (Year); 172,000 (Volume) 2000 (Year); 189,000 (Volume) 2005 (Year)
4. **INDUSTRIAL:** If water is to be released into a watercourse, indicate the amount released each year _____;

   Rate of release _____; Location of release point in reference to diversion/withdrawal point _____; Explain any change in quality of water to be released: _____ NPDES Permit No. _____.

   Explain how water will be used: _____.

   How much groundwater will be used for once-through non-contact cooling? _____
5. **RECREATION:** Explain how water will be used: _____
6. **OTHER** use: Explain in detail: _____

REMARKS: _____

List below the person to be contacted for additional information if required:

Jeff Brown - Alford Engineering
(Name)
P. O. Box 16621
(Address)
Jackson, MS 39236-6621
(City, State, Zip)
601-362-7450
(Telephone)

The accompanying map is hereby declared a part of this application. The **TEN DOLLAR ($10.00) permit fee** is enclosed herewith.

Jeff Brown
(Signature)

Subscribed and sworn to before me this 4th day of October 19 90, at Jackson, Miss.

County of Hinds. My commission expires MY COMMISSION EXPIRES 1-17-91

Lisa H. McCain, Notary Public

Copiah
J 29
9-65

Covered

MISSISSIPPI BOARD OF WATER COMMISSIONERS

WATER WELL DRILLERS LOG

Date: 9/27, 1965, Driller: Dean Griner County Copiah
(When well drilled) (Name) (Where well is located)

(1) Owner of Land: Gallman Water Assn. Inc. (Name)
Well #1 (Address)

(2) Location: ¼, 13¼, Sec. 1 T N R 2 W,
miles (distance) (direction) of (Nearest Town),

(3) Topography: ✓ (Hilly) (Flat) (Level)

(4) Purpose of Well: (Domestic Irrigation Municipal, Industrial, Other)

Information upon completion of well:

(1) Diameter inches.

(2) Total Depth feet.

(3) Water Level 84 feet below top of ground.

(4) Cased to , Size ,

(5) Screen: Size , Length 40.

(6) Were any formations sealed against pollution?

yes, no.

If YES depth of formation ,

Why

Drillers Remarks:

Yield in gpm:

Size pump:

Type power:

Description & Color of Materials Sand, Clay, Red Clay, Shell, etc.	Thickness Feet	Depth Feet
top soil	10	10
Sand + Gravel	121	131
Blue Shale	34	165
SAND	50	215
40' screen		
8' -		
Depth 215		
GPM - 150		
test yielded 1.6 x gpm on Nov 1965		

Mail this copy to Board of Water Commissioners 429 Miss. St. Jackson, Miss.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): LAR / DRS DATE: 6/14/94

UNIT DEQ #: 82859 FILE #: A061714A

HEALTH DEPT. #: 150004-01 ELEV. 463

USGS #: J-29 OLWR #: 13037

OWNER: Gallman W/A

LOCATION: NW/NW/NE S 15 T 1N R 2W COUNTY: Copiah

LOCATION DESCRIPTION: 75' North of E. Gallman Rd. behind W.A. Plant.
75' East of Hwy 51 Reading on West side of Pump House

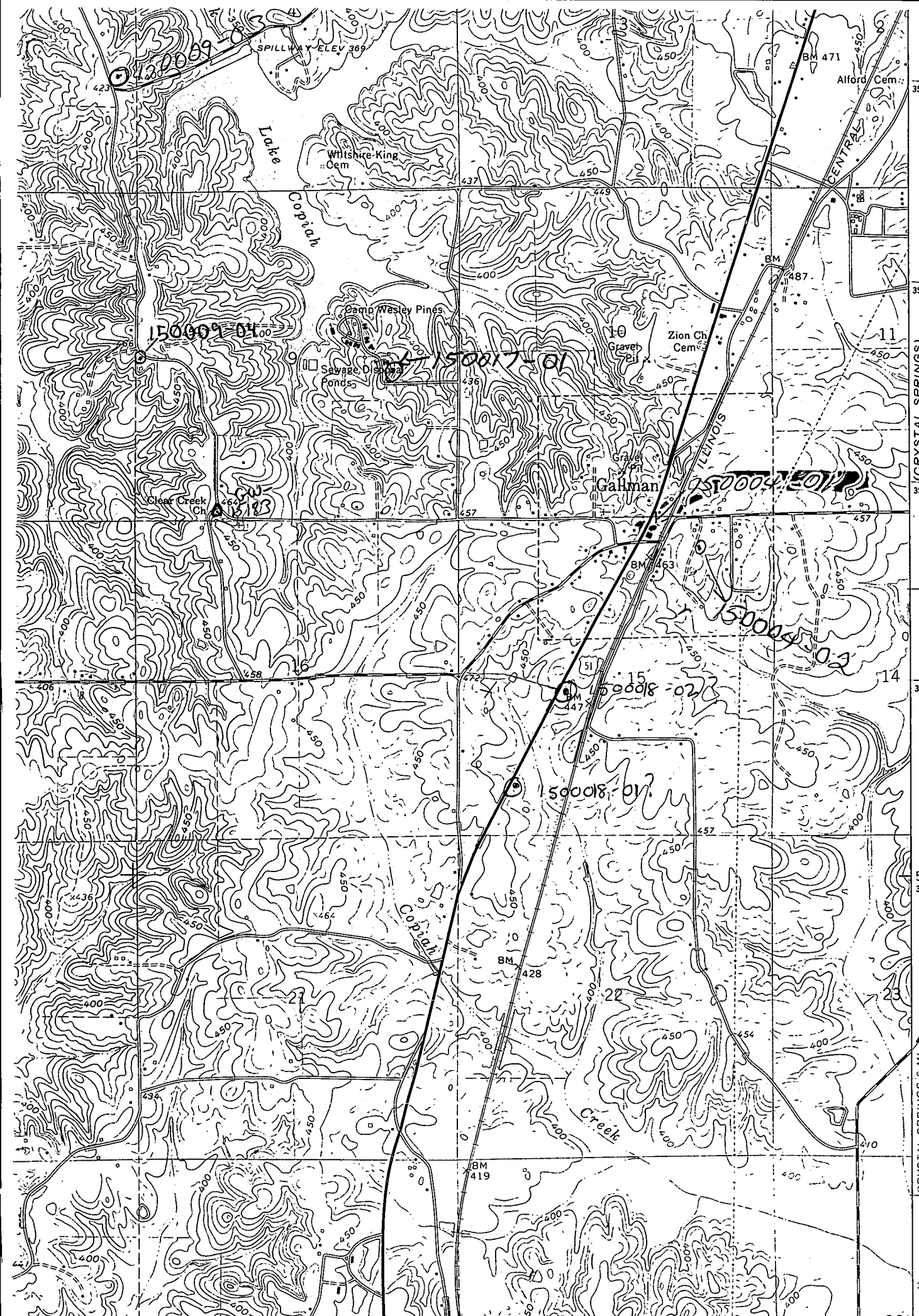
CASING DIA: 8" PUMP TYPE & SIZE: Turbine 40 Hp.

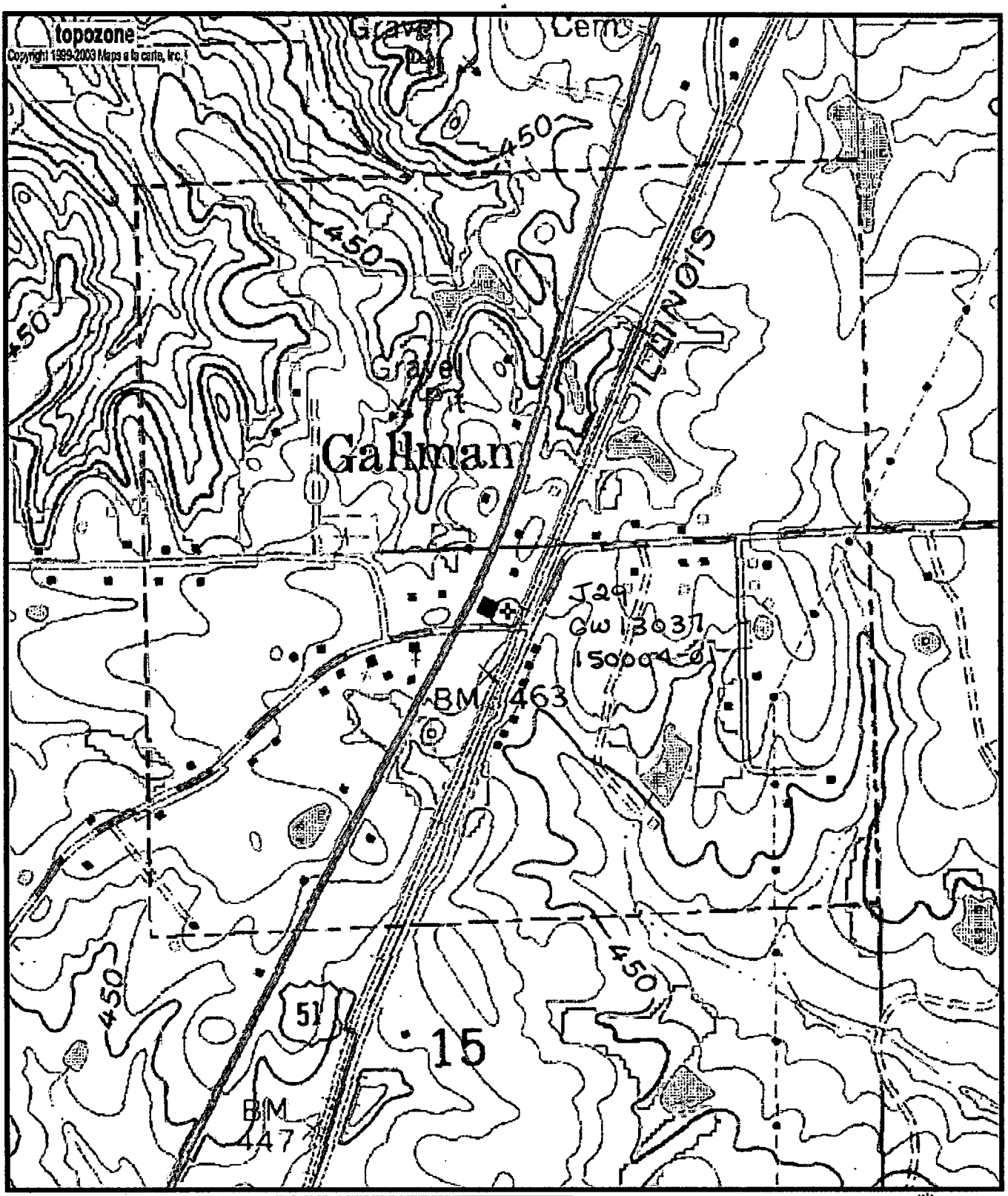
GPS FIELD LOCATION: LAT. 31.5557 LONG. 90.2316

GPS CORRECTED LOCATION: LAT. 31 55 56.408 LONG. 90 23 19.371
31.932336 90.388714

REMARKS:

Gallman Quad


420009-03
SPILLWAY ELEV 369
Lake Copiah
Wiltshire-King Cem
BM 471
Alford Cem
CENTRAL
BM 487
Camp Wesley Pines
150009-04
Sewage Disposal Ponds
150017-01
Zion Ch Cem
Gravel Pit
ILLINOIS
Gallman
150004-01
Clear Creek Ch
GW-15183
BM 463
150004-02
150018-02
BM 447
150018-01
Copiah Creek
BM 428
BM 419
(CRYSTAL SPRINGS) 2947 IV NE
CRYSTAL SPRINGS 6 MI.
3538
3537
3536
3535
3534
3532
55'



0 0.1 0.2 0.3 0.4 0.5 km

0 0.1 0.2 0.3 0.4 0.5 mi

Map center is 31° 55' 56"N, 90° 23' 19"W (WGS84/NAD83)
Gallman quadrangle - TopoZone Pro elevation display
Projection is UTM Zone 15 NAD83 Datum

M=0.736
G=1.382