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 Date 3/88

U.S. GEOLOGICAL SURVEY  
 WATER RESOURCES DIVISION  
 MISSISSIPPI DISTRICT

E-Log No. 302  
 County COPIAH  
 Agency COPIAH

Well No. J68

WELL RECORD

Agency Code U S G I S Site Id 131157101810191921510121011 Project No. 5#  
 Station Name 12 JTOIGBI COPIAH MIEM ZION W IA Latitude 9311571018 Longitude 10409101210121  
 Lat/Long Ac. 11# S F T M Dist. 6=26 State 7=28 County 8=01291 SE Land Net 13# MEISIA SIOSTION MRIOZIW

Location Map 14# GIALIMIAN Altitude 16# 42101 Met. Meas 17# A L D Accuracy 18# 1 S Hydrologic Unit 20# 018106102103

Agency Use 803# A I D Date Inventoried 711# / / Station Type Y Data Type 804#

Instru. 805# Remarks 806# Relia. 3# C L M U 2# W X

Date of Construction 21# 1/1/09 1/191861 Well Use 23# W Water Use 24# P Primary Aquifer 71# 12KTHH Hole Depth 27# 6151

Well Depth 29# 6151 Water Level 30# 16101 Water Level Date 31# 01/1/09 1/191861 Method 34# Status 37# Source 33# D

CONSTRUCTION DATA

Construction Date 60# 1/1/09 1/191861 Contractor Name 53# 01614 LAYNE-CENT. Method 65# H Finish 66# S

CONSTRUCTION CASING DATA

R	T	Top/Casing	Bot/Casing	Diameter
76#	A	725#1	59#1	77# 1101
76#	A	725#2	59#1	77# 1101

R: 76\* T: A\* 725\* 3\* 59# 1\*  
 77# 326.\* 78 = 345.\*  
 79# 10.\*

CONSTRUCTION OPENINGS DATA

R	T	Top/Depth	Bot/Depth	Diameter	Type	Length	Width
82#	A	726#1	59#1	83# 131011	84# 1326	87# 1101	85# S
82#	A	726#2	59#1	83# 134151	84# 1356	87# 1101	85# S

CONSTRUCTION LIFT DATA

R=42, T=A, 254#1, Lift Type 43# T, Date 38# 1/1/09 1/191861, Intake 44#

Power 45# E H.P. 46# 510 Serial No. 49#

MISCELLANEOUS OWNER DATA

Date of Ownership 159# 1/1/09 1/191861 Owner Name 16# COPIAH MIEM ZION W IA

MISCELLANEOUS OTHER ID DATA

E-Log No. 190# 31021 Assigner 191# M I S S I O I S T I

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement	1934	Aquifer Sampled	1954	Temp	196#00010	Value	197#
R=192	T=A	738#2	Date of Measurement	1934	Aquifer Sampled	1954	Sp Cond	196#00095	Value	197#
R=192	T=A	738#3	Date of Measurement	1934	Aquifer Sampled	1954	pH	196#00000	Value	197#71

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type	199#D	Beg. Depth	200#110	End Depth	201#B165T
R=198	T=A	739#1	Log Type	199#E	200#150	201#B65T		

MISCELLANEOUS NETWORK DATA 706 = Qw WL WD \*

R=114	T=A	730#1	Beg. Year	115#19	End Year	116#19	Agency Source	120#A	117#	Frec.	118#
R=121	T=A	730#2	Beg. Year	115#14	End Year	116#19	Agency Source	117#	Frec.	118#	

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks	194#	Remarks	185#
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DISCHARGE DATA

R=146	T=A	Pump/Flow	147#1	Date	148#11/10/1986	Type	70#DF	Discharge	150#250	Sp. Capacity	272#
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top	91#B012	Depth Bot.	92#B55T	Unit Id	93#1212ICTH14	304#P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested	100#	103#
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description of formations encountered	from	to
Top Soil	0'	2'
Red Clay	2'	5'
Red Sand Clay & Sherd	5'	68'
Sand & Pea Shavel	68'	87'
Pea gravel sand		
w/ Fine Clay Sheds	87'	110'
Fine Sand & Sandy		
Clay Sheds	110'	130'
Hard Blue Clay		
Sand Sheds	130'	167'
Dock	167'	175'
Hard Blue Clay		
w/ Fine Sand Sheds	175'	235'
Blue Clay	235'	265'
Sand w/ Fine Clay Sheds	265'	302'
Fine Sand	302'	355'
Blue Clay	355'	365'



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

**RECEIVED**

DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF LAND AND WATER RESOURCES  
 P.O. BOX 10631, JACKSON, MS 39289-0631; (601) 961-5202

JAN 14 1998

Dept. of Environmental Quality  
 Office of Land & Water Resources

This box is for office use only. 3-10-98 AGN

Issued: <u>7-26-88</u>	Expires: <u>3-10-2008</u>	Fee Paid: <u>X</u>	Permit No.
Lat. <u>31-57-11</u>	Long. <u>90-25-00</u>	Elev. <u>395</u>	USGS No.
Quad. <u>GALLMAN</u>	ASCS Farm No.	STAC.	MSDOH No.
Aquifer: <u>MOCN</u>	Tract No.		Basin No.
Remarks:			Dam Inv. No.

THIS APPLICATION IS FOR (Circle one): RENEWAL - PERMIT NO. GW-009728

THIS APPLICATION IS FOR (Circle one): GROUNDWATER COMPLETE A,B,E

SURFACE WATER - COMPLETE A,C,D,E

BENEFICIAL USE (Circle one or more): 1) Public Supply - Municipal, Rural Water, or Private Water 2) Irrigation  
 3) Industrial 4) Fish Culture 5) Recreation 6) Institutional (eg. Church, School) 7) Commercial (eg. Hotel, Casino, Restaurant) 8) Fire Protection 9) Livestock 10) Flood Protection 11) Other: \_\_\_\_\_

SECTION A (to be completed by ALL APPLICANTS)

LANDOWNER: COPIAH-NEW ZION WATER ASSOCIATION, INC. 910-009-780  
 (Name) (SSN or Tax ID No.)

P.O. BOX 309  
 (Address)

CRYSTAL SPRINGS MS 39059 (601) 892 - 1205  
 (City) (State & Zip) (Telephone No.)

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

ALFORD ENGINEERING 64-0693723  
 (Name) (SSN or Tax ID No.)

P.O. BOX 16621  
 (Address)

JACKSON MS 39236-6621 (601) 362 - 7450  
 (City) (State & Zip) (Telephone)

MAP SENT

(SAME AS ABOVE)

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

NE 1/4 of the SE 1/4 of Section 5, Township 1N, Range 2W, County COPIAH

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 number. 247 GPM (PERMIT NO. GW-009729)

289 GPM (PERMIT NO. GW-009727)  
300 GPM

SECTION B (to be completed for GROUNDWATER SOURCE)

1. AQUIFER: MIOCENE MISSISSIPPI DEPARTMENT OF HEALTH NO.: 150009-03

2. Proposed work will begin on \_\_\_\_\_, 19\_\_\_\_, and will be completed by \_\_\_\_\_, 19\_\_\_\_.

If well has already been drilled, when was well completed (date)? JUNE 9, 19 87. Under whose name was well originally drilled (if known)? COPIAH-NEW ZION WATER ASSOCIATION, INC.

3. Description of proposed or completed well:

(a) DEPTH OF WELL: 359 feet. DRILLER: LAYNE-CENTRAL CO.

(b) SURFACE CASING: Length 301 feet; Diameter 16 inches; Type THREADED STEEL

(c) SCREEN: Length 35 feet; Diameter 10 inches; Type WIRE WRAPPED

(d) PUMP: Type SU; Size 50 HP; Capacity 250 gallons per minute; Setting depth \_\_\_\_\_ feet

(e) POWER UNIT: Type ELECTRIC; Size 50 horsepower

4. PERMITTED VOLUME:

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

(b) 133 0.10 million gallons per day at a maximum rate of 250 gallons per minute

0.240 BB (CONTINUED ON BACK) 350  
2.2.98

#3

**SECTION C** (to be completed for SURFACE WATER SOURCE)

1. Source of water is from \_\_\_\_\_ which drains into \_\_\_\_\_  
which drains into: \_\_\_\_\_  
(major stream or river)
2. Description of pump/diversion works:  
Pump (size & type): \_\_\_\_\_ Power Unit (size & type): \_\_\_\_\_  
Lift: \_\_\_\_\_ feet Maximum capacity: \_\_\_\_\_ gallons per minute
3. \_\_\_\_\_ acre-feet per year at a maximum rate of \_\_\_\_\_ gallons per minute

**SECTION D** (to be completed for SURFACE WATER IMPOUNDMENTS {DAMS} on continuously flowing streams)

1. Name of storage reservoir: \_\_\_\_\_ Dam Height: \_\_\_\_\_ feet
2. Surface area at normal pool: \_\_\_\_\_ Storage capacity at normal pool: \_\_\_\_\_ acre-feet

**SECTION E WATER USE DATA (ALL APPLICATIONS - complete section related to beneficial use)**

1. **IRRIGATION:** List the number of acres of each crop to be irrigated: Rice \_\_\_\_\_; Cotton \_\_\_\_\_; Oats \_\_\_\_\_; Corn \_\_\_\_\_; Soybeans \_\_\_\_\_; Pasture \_\_\_\_\_; Truck \_\_\_\_\_; Wheat \_\_\_\_\_; Grain Sorgum \_\_\_\_\_; Other (specify) \_\_\_\_\_ Acres \_\_\_\_\_  
 A. Method of Irrigation (circle one) - Center Pivot Flood Furrow  
 B. Land Condition (circle one) - Precision Land Formed Smoothed  
 C. ASCS Farm No. \_\_\_\_\_ Tract No. \_\_\_\_\_
2. **FISH CULTURE:** Explain how water will be used: \_\_\_\_\_  
How often will reservoir (s) be emptied and refilled? \_\_\_\_\_
3. **MUNICIPAL, WATER ASSOCIATION, or PRIVATE WATER SYSTEM**  
Chose "a" or "b". (a) The number of people served is \_\_\_\_\_ or (b) The number of connections is 1,011  
What is the estimated average daily consumption during periods of maximum use at the end of each five-year period during the next twenty (20) years? 139,000 2003 ; 146,000 2008 ; 154,000 2013 ; 161,000 2018  
(Volume) (Year) (Volume) (Year) (Volume) (Year) (Volume) (Year)
4. **INDUSTRIAL :** If the water is to be released into a watercourse, indicate the amount released each year \_\_\_\_\_;  
Rate of release \_\_\_\_\_; NPDES Permit No. \_\_\_\_\_  
Explain any changes in quality of water to be released: \_\_\_\_\_  
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 (if needed, attach another page): \_\_\_\_\_
7. **REMARKS:** \_\_\_\_\_

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

S. F. ALFORD, III, P.E.  
(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.  
For irrigation and fish culture use, an ASCS photograph is required.  
The TEN DOLLAR (\$10.00) permit fee is enclosed herewith.

  
S. F. ALFORD, III, P.E.

Subscribed and sworn to before me this 9TH day of JANUARY, 19 98, at \_\_\_\_\_ County of HINDS

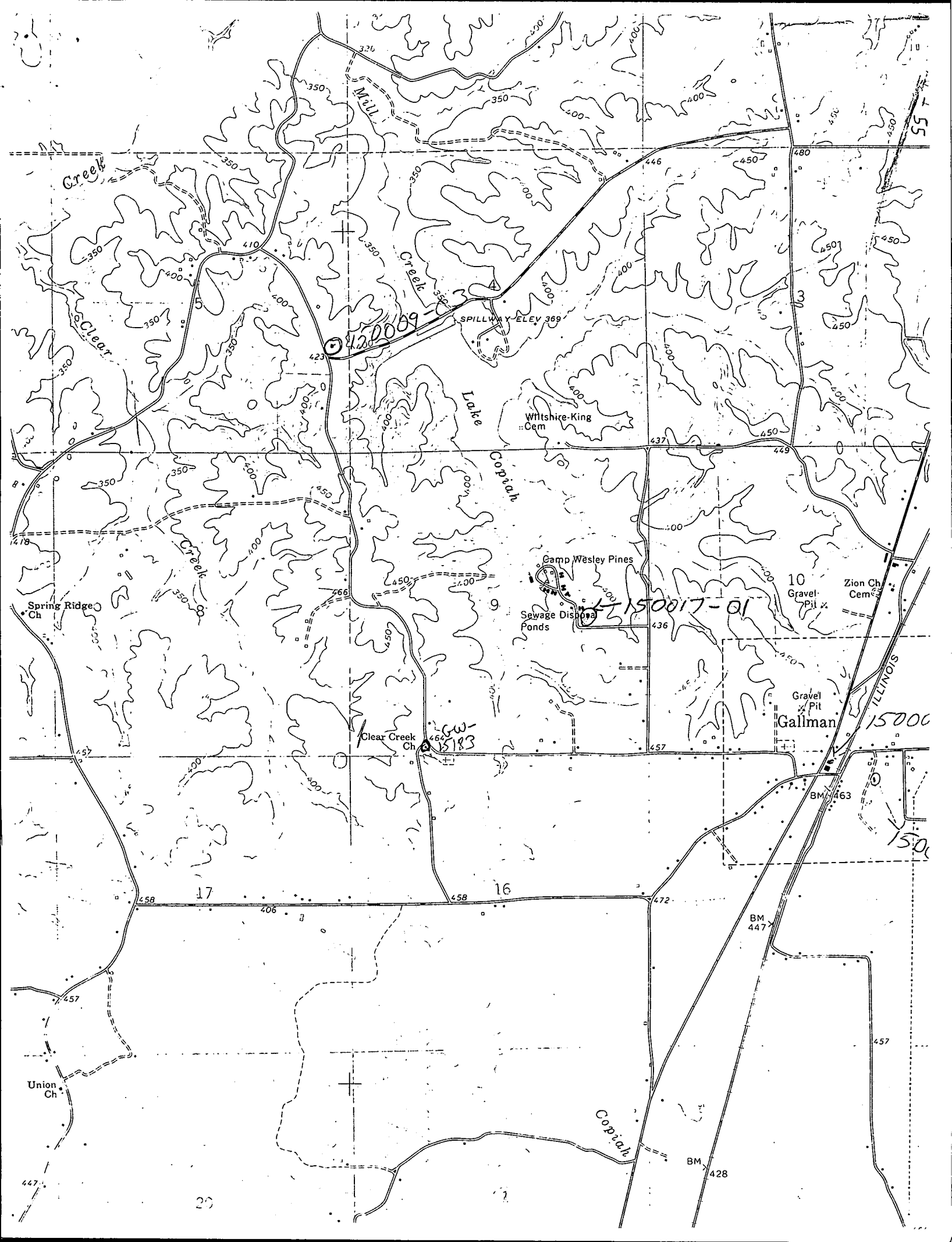
My commission expires My Commission Expires May 2, 1998;  Notary Public.

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

Hornbeak  
USER NAME(S): BAK / OCB DATE: 7/24/96  
UNIT DEQ #: ~~82555~~ 82859 FILE #: ~~6072420A~~ 6082316A  
HEALTH DEPT. #: 150009-03 ✓ ELEV. 370  
USGS #: J-68 ✓ OLWR #: 09728  
OWNER: Copiah W.A. Inc / <sup>new</sup> 20A QUAD: Callman ✓  
LOCATION: SE/NE + SE S 5 T 12 R 2W COUNTY: Copiah ✓  
LOCATION DESCRIPTION: .40 MI. WEST OF COPIAH LAKE DAM (Spillway)  
IN NE CORNER OF INTERSECTION AT WEST  
End of Copiah Lake Rd.  
CASING DIA: 16" ✓ PUMP TYPE & SIZE: TURBINE 50 HP ✓  
GPS FIELD LOCATION: LAT. ~~31.57158 N~~ 31° 57' 11.4" LONG. ~~90.25033 W~~ 90° 25' 04.4"  
GPS CORRECTED LOCATION: LAT. 31.95298475 LONG. 90.4751266  
REMARKS: I 555, Take EXIT #68 <sup>west</sup> Turn right .55 mi to Burney Rd  
Turn <sup>south</sup> left go .3 to Copiah Lake Rd. Turn  
<sup>west</sup> right go 1.35 to spillway, then <sup>west</sup> .4 to  
Well. IN NE Corner of Intersection AT WEST End of Copiah Lake Rd.  
GPS at well.

31° 57' 10.74" 90° 25' 03.05"



Creek

Mill Creek

Clear Creek

Lake Copiah

Spring Ridge Ch

Camp Wesley Pines  
Sewage Disposal Ponds

Wiltshire-King Cem

10 Gravel Pit

Zion Ch Cem

Clear Creek Ch

Gallman

Gravel Pit

ILLINOIS

Union Ch

Copiah

422009

150017-01

GW-5183

SPILLWAY ELEV 368

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BM 463

BM 428

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