

TRANSMITTED FOR ADP

Recorded by WSTO
Date 1/21/87
Agency USGS

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

Well No. E55
E-Log No. 194
County FORREST

WELL RECORD

Cartersville Quad

GEN SITE DATA

Site Id 31116490891111401 R=0* T=A* 2=W* Data reliab. 3=U* ^C/_U

Dist 6=28* State 7=28* Co. 8=1035* Lat. Long./ 9=3111649* 10=08911114*

Well No. 129 E01551* Location ^{NW} 139 NW SE S 27 T 04 N R 12 W* Alt. 169 2081.1*

Hyd. Unit (OWDC) 209 031170101051* Date 219 19861111125* (YYYYMMDD) 17=M*

Agency Use 803=0* Well Use 23=W* Water Use 24=P* Hole depth 27=1897.1* Well depth 28=17481.1*

WL 30=1811.10* Date 31=1987105109* Source 33=D* Flow 37=1*

Project No. 5= WL 71.55 4/26/91

LIFT

R=42* T=A* 254#1* Date 38=1987105109* Lift Type 43#T* Intake 44=

Power Type 45=E* H.P. 46=120.11*

CONSTR.

R=58* T=A* 723#1* Date 60=19861111125* Drlg 63=11814* Name GRINER

Method 65=H* Finish 66=S* Remarks _____

CASING

R=76* T=A* 725#1* 59#1* Top csng 77# 9.* Bot. csng 78= 697.* Diam. 79# 110.*

R=76* T=A* 725#2* 59#1* Top csng 77# 668.* Bot. csng 78= 708.* Diam. 79# 81.*

OPENINGS

R=82* T=A* 726#1* 59#1* Top 83# 708.* Bottom 84= 7481.* Type 85=S*

Diam. 87# 8.* Size 88= 008.*

R=82* T=A* 726#2* 59#1* Top 83# .* Bottom 84= .* Type 85= .*

87# .* 88# .*

AQUIFERS

R=90* T=A* 721#1* Top 91= 690.* Bot 92= 788.* Unit Id 93= 122CITHLM*

R=90* T=A* 721#2* Top 91= .* Bot 92= .* Unit Id 93= .*

HYDRAULICS

R=98* T=A* 99#1* Unit tested 100# .* 103# .*

R=105* T=A* 99#1* Test No. 106# .* 107# .* Transmissivity (gal/d)/ft _____

108# .* Hydraul. cond. (gal/d)/ft² _____ 110# .* Storage coeff. Boundaries _____

ANAL

R=114* T=A* 706# | | | *
 Year 115# | | | | * 117# | | | * 120# | | | *

YIELD

R=121* T=A* Yr Begin 115# | | | | * Network 257# | | | *

R=146* T=A* Flows/Pumped (circle one) 147#1* 148# 1/19/87 1/25/00* Q 150# | | | 250 | | | *

Q/S 272# | | | | | *

OWNER

R=158* T=A* 718#1* Date 159# 1/19/87 1/05/09* Owner No. Well # 3

Owner 161# S U N R I I S E I U T I L I T Y | | | | | *

FIELD

R=189* T=A* 736#1* E-Log No. 190# 1194* 191# M I S S D I S T *

FIELD QW

R=192* T=A* 738#1* Date 193# | | | / | | / | | * Temp 196#00010* 197# | | | . | | | *

R=192* T=A* 738#2* Date 193# | | | / | | / | | * Cond 196#00095* 197# | | | . | | | *

R=192* T=A* 738#3* Date 193# | | | / | | / | | * pH 196#00400* 197# | | | . | | | *

LOGS

R=198* T=A* 739#1* Log 199# E* Top 200# | | 142 | | * Bot 201# | 8 | 9 | 7 | | *

R=198* T=A* 739#2* 199# D* 200# | | | 0 | | * 201# | 8 | 9 | 7 | | *

Remarks: R=183# 311# | | | | / | | / | | | *

184:
 3B0H
 pH = 7.6
 Fe = .18
 TD5 = 154
 hard = 20

9' dd @ 250gpm

TOP SOIL		0	2
SAND + CLAY STRATA		2	30
SAND		30	92
CLAY		92	172
SAND		172	256
CLAY		256	303
SAND AND CLAY STRATA		303	515
CLAY		515	690
SAND		690	788
CLAY		788	802
SAND		802	828
CLAY		828	860
SAND		860	897

FOREST
E 55
E LOG # 194

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES
Bureau of Land and Water Resources
Southport Mall
P.O. Box 10631
Jackson, Mississippi 39209
WATER WELL DRILLERS LOG

CODED

MAY 19 87 RIVER DRILLING SER FOREST
date well completed firm name county well located

LANDOWNER: <u>SUNRISE UTILITY ASSOCIATION</u>	description of formations encountered	from	to
<u>WELL NO. 3</u> (mailing address)	<u>TOP SOIL</u>	<u>0</u>	<u>2</u>
<u>WELL LOCATION: NW/4 NAVA SPA</u> sec. <u>27</u> T. <u>4</u> N. R. <u>12</u> S	<u>SAND + CLAY STRATA</u>	<u>2</u>	<u>30</u>
	<u>SAND</u>	<u>30</u>	<u>92</u>
	<u>CLAY</u>	<u>92</u>	<u>172</u>
	<u>SAND</u>	<u>172</u>	<u>226</u>
	<u>CLAY</u>	<u>226</u>	<u>303</u>
	<u>SAND + CLAY STRATA</u>	<u>303</u>	<u>515</u>
	<u>CLAY</u>	<u>515</u>	<u>690</u>
	<u>SAND</u>	<u>690</u>	<u>788</u>
	<u>CLAY</u>	<u>788</u>	<u>802</u>
	<u>SAND</u>	<u>802</u>	<u>828</u>
	<u>CLAY</u>	<u>828</u>	<u>860</u>
	<u>SAND</u>	<u>860</u>	<u>897</u>
<u>WELL PURPOSE: RURAL W.A.</u> (home, irrigation, municipal, industrial)			
<u>WELL COMPLETION DATA:</u>			
(1) diameter (inches) <u>10 3/4</u>			
(2) total depth (feet) <u>748</u>			
(3) static water level (feet) <u>81</u> below top of ground.			
(4) casing <u>STEEL 697'</u> (material), (depth)			
<u>10 3/4</u> (size) if telescope see back.			
(5) screen <u>40</u> (length), <u>708</u> (depth to top)			
<u>8</u> (size), <u>304 5.5 (008)</u> (material)			
(6) pump <u>20</u> (HP), <u>250</u> (yield gpm)			
<u>Elec.</u> (type power)			
(7) electric log <u>Yes</u> (yes or no)			
<u>MES</u> (organization running log)			
(8) how well bottom plugged <u>BACK WITH VALVE, STINGER + CONCRETE</u>			
DRILLERS REMARKS:			

CODED

RECEIVED

MAY 20 1987

Department of Natural Resources
Bureau of Land and Water Resources

The box below is for office use only. SWB

E55

Issued: 8-25-92	Expires: 8-25-2002	Fee Paid	X	Permit No. GW-14319
Lat. 31° 16' 48"	Long. 89° 11' 13"	Elev. 201		USGS No. E55
Quad Carterville	Dist.			Basin No. 03170005
STAC				Dam Inv. No.
				Dam appl. No.

RECEIVED

JUN 20 1992 SWB

Dept. of Natural Resources, Bureau of Land and Water Resources, P.O. Box 10631, Jackson, MS 39208

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: _____

Dept. of Environmental Quality
Bureau of Land & Water Resources

LANDOWNER:

(Name) SUNRISE UTILITY ASSOCIATION, INC. 64-0479512 (S/S or Tax ID No.)
 (Address) 465 BATSON ROAD
 (City) PETAL, MS 39465 (601) 582-9354 (Telephone Number)

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 SE 1/4 of Section 27, Township 4N, Range 12W, County FORREST

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 250 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____.

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.

HD# 180013-03

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.

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

- Source of water is _____ aquifer.
- Description of proposed water well:
 - DEPTH OF WELL: 748 feet. DRILLER (name): GRINER DRILLING SERV.
 - SURFACE CASING: Length: _____ feet. Diameter: _____ inches. Type: _____
 - SCREEN: Length: 708 feet. Diameter: 8 inches. Type: _____
 - PUMP: Type: ELECT. Size: 20 HP Capacity: 250 gallons per minute.
Number of stages: _____ Setting depth: _____ feet.
 - POWER UNIT: Type: _____ Size: _____ horsepower.
 - TYPE OF COMPLETION: _____

WATER USE DATA:

If for IRRIGATION, FISH CULTURE or any other area 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		

- 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 2,625. (b) The number of connections/customers is 875.
 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?
 (Volume) (Year) (Volume) (Year) (Volume) (Year) (Volume) (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:

Linda Hession
 (Name)
465 Batson Road
 (Address)
Petal, MS 39465
 (City, State, Zip)
(601) 582-9354
 (Telephone)

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

Linda J. Hession Office Mgr.
 (Signature)

Subscribed and sworn to before me this 4th day of June 19 92 at Petal MS.
 County of Terrest. My commission expires My Commission Expires Sept. 27, 1992
Linda J. Hession, Notary Public

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR

PUBLIC SUPPLY WELLS PROJECT

Carterville
quad.

GPS LOG

USER NAME(S): CA. Hotzbeak DATE: 6/29/94

UNIT DEQ #: 82555 FILE #: C062922C

HEALTH DEPT. #: 180013-03 ELEV. 207

USGS #: 2-137 E55 OLWR #: 14319

OWNER: Sunrise Util. Assn.

LOCATION: ^{NE}-NW-SE S 27 T 4N R 12W COUNTY: Forrest

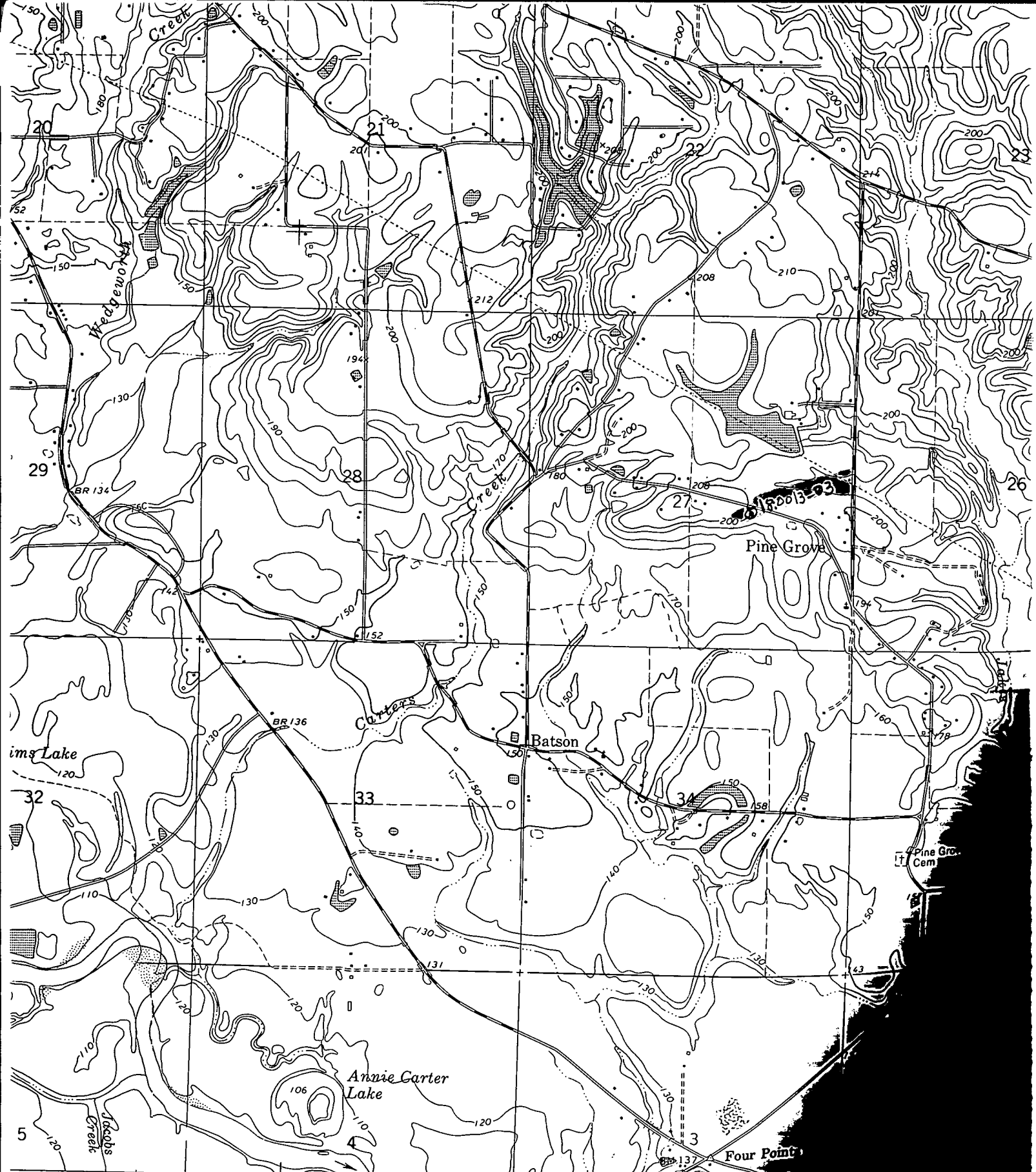
LOCATION DESCRIPTION: AT Elev. Tank on Sheeplo Rd 7/10 mi
E of Intersection of Sheeplo Rd & Batson Rd.

CASING DIA: 10" PUMP TYPE & SIZE: 20 HP Elec.

GPS FIELD LOCATION: LAT. 31° 16.748 LONG. 89° 11.044

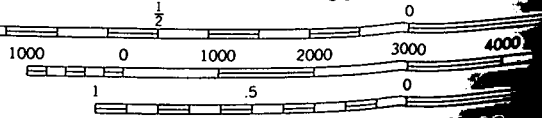
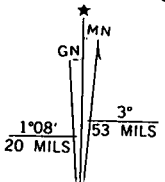
GPS CORRECTED LOCATION: LAT. 31.1647402 LONG. 89.1102.635

REMARKS: GPS at well.
31.279834 89.184065



Cartersville
Quad.

(MC LAURIN)
3146 II NW
SCALE 1:24 000



CONTOUR INTERVAL 10
NATIONAL GEODETIC VERTICAL DATUM