

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934 / / / / / / / *	Aquifer Sampled 195	Par. Code 196#00010	Value 197
R=192	T=A	738#2	Date of Measurement 1934 / / / / / / / *	Aquifer Sampled 195	Par. Code 196#00095	Value 197
R=192	T=A	738#3	Date of Measurement 1934 / / / / / / / *	Aquifer Sampled 195	Par. Code 196#00400	Value 197

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199 E *	Beg. Depth 200 1210 *	End Depth 201 12210 *
R=198	T=A	739#1	Log Type 199 D *	Beg. Depth 200 1210 *	End Depth 201 12221 *

MISCELLANEOUS NETWORK DATA

R=114	T=A	730#1	Network Type 706 *	Beg. Year 115 9 *	End Year 116 9 *
R=121	T=A	730#1	Analysis 120 *	Agency Source 117 *	Freq. 118 *

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184 / / / / / / / *	Remarks 185
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DISCHARGE DATA

R=146	T=A	147#1	148 55 / / / / / / 18181 *	703 B F	150 55 / / / / / / *	272 1181 131 *
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91 111015 *	Depth Bot. 92 111915 *	Unit Id 93 1221MORW *
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100 *	103 *
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20' dd @ 513 gpm

pH 7.9 (lab)
CN 15 units

Description of Emersion encountered	From	To
Sand & Yellow Clay	0'	74'
Clay	74'	1162'
Sand	1162'	275'
Sand & Clay Abreaks	275'	305'
Clay	305'	495'
Sandy Shale	490'	555'
Clay & Sand Abreaks	555'	680'
Sand	680'	870'
Sandy Clay	870'	1016'
Sand & Clay Abreaks	1016'	1040'
Sandy Clay	1040'	1130'
Sand	1130'	1204'
Clay	1204'	1222'

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

Mexvill Quad

USER NAME(S): SH Bishop DATE: 8-3-94

UNIT DEQ #: 82859 FILE #: D080319A

HEALTH DEPT. #: 200001-02 ELEV. 200

USGS #: F-9000 F-100 OLWR #: GW-14366

OWNER: Combined Utilities Inc

LOCATION: ^{NW}NW-SW S 12 T 2 S R 7 W COUNTY: George

LOCATION DESCRIPTION: From Interction of Hwy 26 + 63 Go W. along Hwy 26, 3.4 mi to well at Ground tank on N. side of Hwy

CASING DIA: _____ PUMP TYPE & SIZE: _____

GPS FIELD LOCATION: LAT. 30° 53.314 LONG. 88° 38.800

GPS CORRECTED LOCATION: LAT. 30.888174 LONG. 88.646711

REMARKS: Gps at well

14366 MOCN C 1112
AMM

F100

Issued: 9/22/92	Expires: 9/22/02	Fee Paid: X	Permit No. GW-14366
Lat 305311	Long 883846	Elev 200	USGS No.
Quad Merrill	Dist.		Basin No. 03170006
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

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

RECEIVED

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

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

Dept. of Environmental Quality
Bureau of Land and Water Resources

LANDOWNER:

Combined Utilities, Inc. 64-0613533
(Name) (S/S or Tax ID No.)
Route 7, Box 174
(Address)
Lucedale, MS 39452 (601) 947-8411
(City) (State and Zip) (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 SW 1/4 of Section 12, Township 28^S, Range 7W, County George

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 500 gallons per minute
- (b) 0.3 million gallons per day at a maximum rate of 500 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 88 and will be completed by (date) May , 19 88.

Water will be used from (month) January to (month) January 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.
GW-966

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)

1. Source of water is Miocene aquifer.
2. Description of proposed water well:
 (a) DEPTH OF WELL: 1186 feet. DRILLER (name): Layne Central Co.
 (b) SURFACE CASING: Length: 1125 feet. Diameter: 12 inches. Type: Steel
 (c) SCREEN: Length: 50 feet. Diameter: 8 inches. Type: Stainless Steel - Slotted
 (d) PUMP: Type: Electric-Turbin. Size: 600. Capacity: 500 gallons per minute.
 Number of stages: _____ Setting depth: 1186' (Top) feet.
 (e) POWER UNIT: Type: Electric. Size: 60 horsepower.
 (f) TYPE OF COMPLETION: Gravel Pack

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 2100. (b) The number of connections/customers is 675.
 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? 300,000 1992; 330,000 1993; 360,000 1994; 365,000 1995
(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:

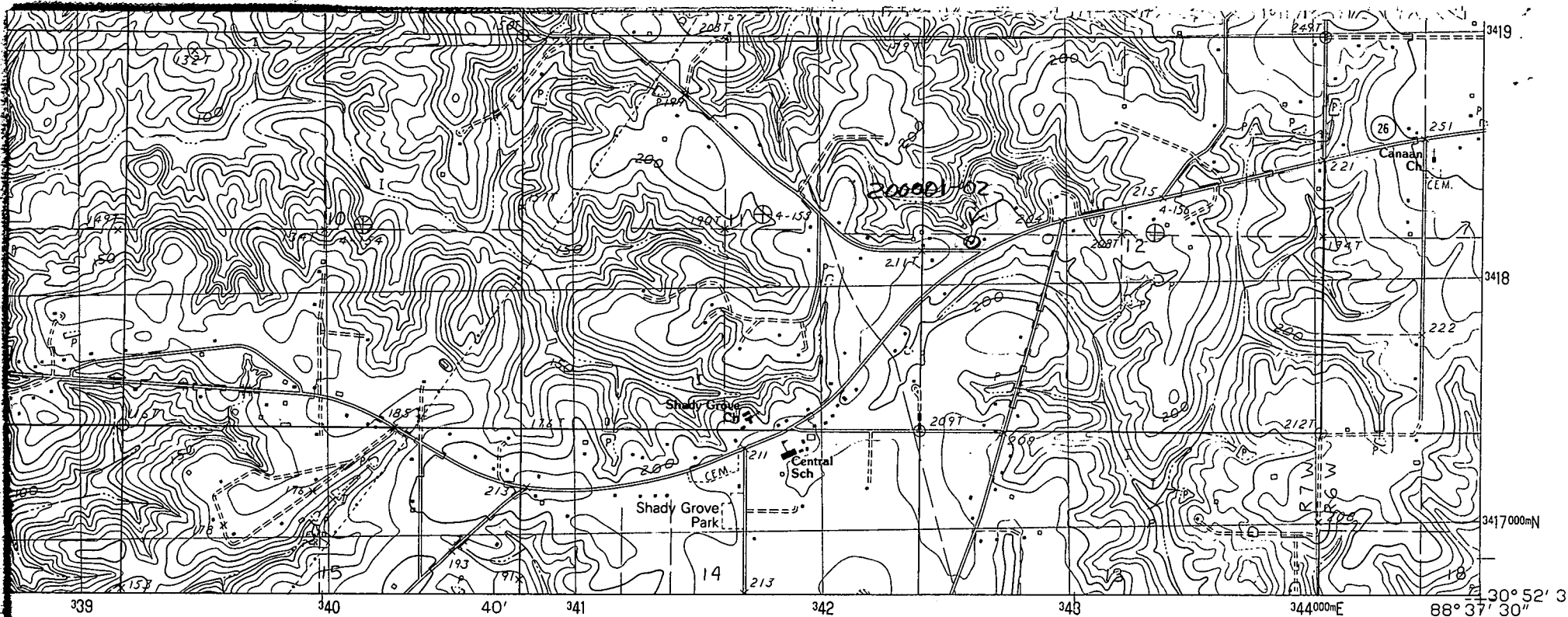
Wayne H. Brown, P.E.
(Name)
P. O. Box 205
(Address)
Lucedale, MS 39452
(City, State, Zip)
601/947-8619
(Telephone)

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

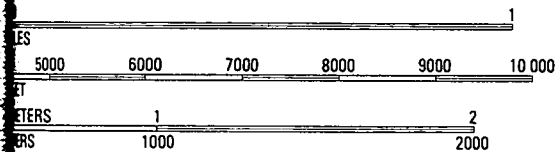
Wayne H. Brown
(Signature)

Subscribed and sworn to before me this 19th day of June, 1992, at Lucedale

County of George. My commission expires 1-21-93
Peggy J. Pittman, Notary Public



1:24 000



VERTICAL INTERVAL 10 FEET
HORIZONTAL INTERVAL 5 FEET

Feet multiply by .3048
Meters multiply by 3.2808

NATIONAL MAP ACCURACY STANDARDS
SURVEY, RESTON, VIRGINIA 22092



QUADRANGLE LOCATION

1	2	3	1 McLain 2 Leakesville SW
4		5	3 Vernal 4 Avent 5 Lucedale
6	7	8	6 Benndale 7 Basin 8 Agricola

ADJOINING 7.5' QUADRANGLE NAMES

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1982

ROAD LEGEND

- Improved Road
- Unimproved Road
- Trail
- Interstate Route U. S. Route State Route

MERRILL, MISSISSIPPI
PROVISIONAL EDITION 1982

30088-H6-TF-024