

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Land and Water Resources

P. O. Box 10631

Jackson, MS 39289-0631

WATER WELL DRILLERS LOG

COUNTY WELL LOCATED
Madison

WELL NUMBER 81 CODED PERMIT NUMBER

DATE WELL COMPLETED
Aug. 20, 1996

NAME OF DRILLING FIRM
EMBED CROSSWELL

BENTONIA, MS 39040

NAME & MAILING ADDRESS OF LANDOWNER
Mrs. Ross Barnett Jr.

Madison, MS -

WELL LOCATION: SEC 20 TOWNSHIP 7 RANGE 2 N E

DISTANCE ACROSS DIRECTION FROM NEAREST TOWN MADISON AIRPORT

OTHER LANDMARK

WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.

PUMP DATA

PUMP TYPE (Circle One): Submersible Turbine, Jet, Flowing Well, Other (Describe)

POWER TYPE (Circle One): Electric Tractor, Diesel, Gasoline, Butane, Other (Describe) H/P 5

Pump Capacity (GPM) 40 No. of Stages 16 Setting Depth 315 FT.

PUMP TEST

Well yielded 60 GPM with a drawdown of 30 ft. after 2 hours of pumping

WELL DATA

Well Depth 600 Casing Diameter (In.) 4 Casing Length (Ft.) 540

Type of Casing PVC Hole Depth 608 Depth to Static Water Level 205

TYPE OF COMPLETION: (Circle One or More): Natural Development, Gravel Packed, Underreamed, Telescoped, Open Hole, Other (Describe)

WELL GROUTED TO A DEPTH OF 25 FEET
Type Grout (circle one): Cement, Bentonite, or Mix

SCREEN DATA

Diameter - Inches 4 Length - Feet 60 Slot Size - Inches .013

Screen Type PVC Depth to Bottom - Feet 600

LOG DATA

TYPE OF LOG RUN (Circle One): Electric, Gamma Ray, No Log Run, Density, Sonic, Neutron, Other (Describe)

Name of Organization Running Log
STATE

GEOLOGIC DATA (Office Use Only)

| Surface Elev. | Geologic Unit | Unit Thickness | Depth to Top |
|---------------|---------------|----------------|--------------|
| Subs. SWL | Date | Analysis | Aquifer Test |

Driller's Remarks

Top of Lap Pipe or Reduction in Casing

FEET IF TELESKOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

| DESCRIPTION OF FORMATIONS ENCOUNTERED | FROM | TO |
|---------------------------------------|------------|------------|
| <u>SURFACE DEPOSITS</u> | <u>0</u> | <u>25</u> |
| <u>VAZOO CLAY</u> | <u>25</u> | <u>315</u> |
| <u>Meadys Beach #</u> | <u>315</u> | <u>345</u> |
| <u>SANDY SHALE</u> | <u>345</u> | <u>490</u> |
| <u>SAND</u> | <u>490</u> | <u>600</u> |
| <u>SHALE</u> | <u>600</u> | <u>608</u> |

FORMATIONS ENCOUNTERED FROM TO

DISCOVERED

SEP 17 1996

Dept. of Environmental Quality
Office of Land and Water Resources

IF MORE SPACE IS NEEDED, USE BACK

