

DEP

MAY 27 1999

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  
**SOUTH**

WELL NUMBER **30** CODED

DATE WELL COMPLETED  
**3-26-99**

PERMIT NUMBER

NAME OF DRILLING FIRM  
**A-1 DRILLING SER. INC**

**LAUREL, MS 39440**

NAME & MAILING ADDRESS OF LANDOWNER  
**ROGER BARNES**

**ROUTE 1, BOX 5215**

**PULASKI, MS 39152**

WELL LOCATION: SEC **24** TOWNSHIP **4** RANGE **7**

DISTANCE **2 1/2** Miles **N** of **BURNS**

OTHER LANDMARK

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

PUMP DATA

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

POWER TYPE (Circle One):  
Electric, Tractor, Diesel, Gasoline, Butane, Other (Describe) **5** H/P **230V 1P**

Pump Capacity (GPM) No. of Stages Setting Depth  
**35 @ 350' TDH 19** **273** FT.

PUMP TEST

Well yielded **35** GPM with a drawdown of \_\_\_\_\_ ft. after \_\_\_\_\_ hours of pumping

WELL DATA **G.I.L.**

Well Depth <b>689'</b>	Casing Diameter (In.) <b>4" - 504'</b>	Casing Length (Ft.) <b>2" - 501' - 658'</b>	<b>658</b>
Type of Casing <b>Galv st.</b>	Hole Depth <b>720'</b>	Depth to Static Water Level <b>175'</b>	

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

WELL GROUTED TO A DEPTH OF **17** FEET  
Type Grout (circle one): Cement, Bentonite, or Mix

LOG DATA

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

Name of Organization Running Log  
**MS. OFFICE OF GEOLOGY**

GEOLOGIC DATA (Office Use Only)

Surface Elev. <b>1405'</b>	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date	Analysis	Aquifer Test

SCREEN DATA

Diameter - Inches <b>2" PS</b>	Length - Feet <b>30</b>	Slot Size - Inches <b>.005</b>
Screen Type <b>Bar weld SS</b>	Depth to Bottom - Feet <b>688</b>	

Driller's Remarks  
**Drill w/ polymer mud, shale traps @ 17' 504' (4"), 2" @ 688'**

Top of Lap Pipe or Reduction in Casing

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

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Clay, tan	0	12	Clay, sandy, brown	494	511
Clay, tan & orange	12	17	Sand, sea shells	574	577
Clay, brown	17	19	Clay, gray, brown	522	554
Clay, gray	19	118	Clay, sandy, sd stks	554	581
Lignite	118	119	Sand	581	585
Clay, gray	119	120	Clay, sandy	585	592
Clay, brown, dark	120	143	Sand, <del>ss</del>	592	596
Clay, sand stks	143	145	Clay, sandy	596	603
Clay, gray-green	145	423	Clay and sand stks	603	622
Clay, gray	423	468	Clay sandy, sd stks	622	636
Clay, gray, sdy stks	468	499			

IF MORE SPACE IS NEEDED, USE BACK

If well telescopes please sketch and show depths.

GROUND LEVEL

X			

SECTION 24

Please indicate well location X.

ADDITIONAL INFORMATION

636-656 - Sand and clay mixed  
656-688 - Sand v. fine  
688-720 - Clay

If more than one screen,  
show location of each on sketch.