

Recorded by je  
Date 4/30/87  
Agency USGS

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

Well No. 590  
E-Log No. \_\_\_\_\_  
County BOLIVAR

WELL RECORD

GEN SITE DATA

Site Id 333326109105246011 R=0\* T=A\* 2=W\* Data reliab. 3=U\* C U

Dist. 6=28\* State 7=28\* Co. 8=0111\* Lat. Long. 9=333326\* 10=0905246\* 123

Well NO. 12=15109101\* Location 13=NW/NE 13=NWINW S 125 T 20 N R 107 W\* Alt. 16=21.1\*

Hyd. Unit(OWDC) 20=0810302071\* Date 21=1987103123\* (YYYYMMDD) 17=M\*

Agency Use 803=0\* Well Use 23=W\* Water Use 24=I\* Hole depth 27=1115.1\* Well depth 28=1115.1\*

WL 30=1510.1\* Date 31=1987103123\* Source 33=D\* Flow 37=1\*

Project No. 5= PRIM. AQ. 74=112MRVA\*

LIFT

R=42\* T=A\* 254#1\* Date 38=1987103123\* Lift Type 43=T\* Intake 44=1601\*

Power Type 45=D1\* H.P. 46=1601.1\*

CONSTR.

R=58\* T=A\* 723#1\* Date 60=1987103123\* Drig 63=439\* Name IRRIGATION EQUIP.

Method 65=R1\* Finish 66=G\* Remarks \_\_\_\_\_

CASING

R=76\* T=A\* 725#1\* 59#1\* Top csng 77# Bot. csng 78=175\* Diam. 79#116\*

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

OPENINGS

R=82\* T=A\* 726#1\* 59#1\* Top 83# Bottom 84=1115.1\* Type 85=S\*

Diam. 87=116.1\* Size 88=10601\*

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=1301.1\* Bot 92=115\* Unit Id 93=1112MRVA\*

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)/ft<sup>2</sup> \_\_\_\_\_ 110= Storage coeff. Boundaries \_\_\_\_\_

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

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

YIELD R=146\* T=A\* Flows/Pumped (circle one) 147#1\* 148= |1|9|8|7|1|0|3|1|2|3|\* 150= |3|0|0|0|0|\*  
Q/S 272= | | | | | \*

OWNER R=158\* T=A\* 718#1\* Date 159# |1|9|8|7|1|0|3|1|2|3|\* Owner No. \_\_\_\_\_  
Owner 161# HEIGIARI BROTHERS FARM | \* |

WATER ID R=189\* T=A\* 736#1\* E-Log No. 190# | | | | \* 191= M I S S I S S I 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# |D| \* Top 200= | | | | 0 | | \* Bot 201= |1|1|5| | \*

R=198\* T=A\* 739#2\* 199# | | | \* 200= | | | | | \* 201= | | | | | \*

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

184:

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
clay	0	20
coarse sand with gravel	20	60
Fine sand	60	75
coarse sand with gravel	75	115

**MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES**  
Bureau of Land and Water Resources

P.O. Box 10631  
Jackson, Mississippi 39209  
**WATER WELL DRILLERS LOG**

COUNTY WELL LOCATED <b>BOLIVAR</b>	WELL NUMBER <b>590</b>	CODED <b>CODED</b>	PERMIT NUMBER <b>GW 7157</b>
NAME OF DRILLING FIRM <b>IRRIGATION EQUIPMENT</b>			
DATE WELL COMPLETED <b>3-23-87</b>			<b>INDIANOLA, MS</b>

NAME & MAILING ADDRESS OF LANDOWNER  
**HEGAR Brothers FARM**

**19930 HEGAR ROAD**

**Hockley, TX 77447**

WELL LOCATION: SEC **25** TOWNSHIP **20** RANGE **7**

DISTANCE **4** Miles DIRECTION **West** of NEAREST TOWN **CHOCTAW**

OTHER LANDMARK

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

**PUMP DATA**

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

POWER TYPE (Circle One):  
Electric, Tractor, **Diesel**, Gasoline, Butane,  
Other (Describe)

Pump Capacity (GPM)	No. of Stages	Setting Depth
<b>3000</b>	<b>1</b>	<b>60</b> FT.

PUMP TEST

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

**WELL DATA**

Well Depth <b>115'</b>	Casing Diameter (In.) <b>16"</b>	Casing Length (Ft.) <b>75'</b>
Type of Casing <b>steel</b>	Hole Depth <b>115'</b>	Depth to Static Water Level <b>30'</b>

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

Top of Lap Pipe or Reduction in Casing

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

**LOG DATA**

TYPE OF LOG RUN (Circle One):  
Electric, Gamma Ray, Density, Sonic, Neutron,  
Other (Describe)

Name of Organization Running Log

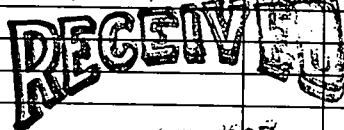
**SCREEN DATA**

Diameter - Inches <b>16"</b>	Length - Feet <b>40'</b>	Slot Size - Inches <b>.060</b>
Screen Type <b>steel</b>	Depth to Bottom - Feet <b>40'</b>	

**GEOLOGIC DATA (Office Use Only)**

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

Driller's Remarks  
**#87029CM602**

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
<b>clay</b>	<b>0</b>	<b>20</b>	 <b>APR 17 1987</b> Department of Natural Resources Bureau of Land & Water Resources		
<b>coarse sand with gravel</b>	<b>20</b>	<b>60</b>			
<b>Fine Sand</b>	<b>60</b>	<b>75</b>			
<b>coarse sand with gravel</b>	<b>75</b>	<b>115</b>			

IF MORE SPACE IS NEEDED, USE BACK