

COUNTY WELL LOCATED  
**CHOCTAW**

WELL NUMBER **5** CODED

**D-80**

DATE WELL COMPLETED  
**04/18/2003**

PERMIT NUMBER  
**MSGW-15748**

NAME OF DRILLING FIRM  
**LAYNE-CENTRAL**

**JACKSON, MS**

**RECEIVED**  
Office of Land and Water Resources  
**NOV 19 2003**  
P. O. Box 10631  
Jackson, MS 39289-0631  
**BY: OLWR** WATER WELL DRILLERS LOG

NAME & ADDRESS OF LANDOWNER  
**CHOCTAW GENERATION, LLP**  
**1177 WEST LOOP SOUTH, SUITE 900**  
**HOUSTON, TX 77027**

LATITUDE **N 33° 22.901'**  
LONGITUDE **W 89° 12.458'**

WELL LOCATION SEC **36** TOWNSHIP **18N** RANGE **10E**

DISTANCE **---** MILES DIRECTION **---** of **ACKERMAN** NEAREST TOWN

OTHER LANDMARK **RED HILLS POWER PLANT**  
**SW CORNER OF HWY 9 & PENSACOLA RD**

WELL PURPOSE (Home, Irrigation, Municipal, Industrial, Fish Pond, etc.)  
**INDUSTRIAL**

**PUMP DATA**

PUMP TYPE:  
Submersible  Turbine  Jet Flowing Well

Other (Describe) \_\_\_\_\_

POWER TYPE:  
Electric  Tractor  Diesel   
Gasoline  Butane

Other (Describe) \_\_\_\_\_ H/P **600**

**WELL DATA**

|                                |   |   |
|--------------------------------|---|---|
| Well Depth<br><b>3221'</b>     | Casing Diameter (In.)<br><b>16" &amp; 13 3/8"</b> | Casing Length (FL)<br><b>858' &amp; 1977'</b> |
| Type of Casing<br><b>STEEL</b> | Hole Depth<br><b>3221'</b>                        | Depth to Static<br><b>408'</b>                |

| DESCRIPTION OF FORMATIONS ENCOUNTERED | FROM | TO   |
|---------------------------------------|------|------|
| SANDY CLAY                            | 0    | 15   |
| SAND & CLAY STREAKS                   | 15   | 27   |
| CLAY                                  | 27   | 164  |
| SAND                                  | 164  | 180  |
| CLAY                                  | 180  | 200  |
| SAND                                  | 200  | 260  |
| SANDY CLAY & LIGNITE                  | 260  | 457  |
| CLAY                                  | 457  | 942  |
| HARD CLAY                             | 942  | 1810 |
| SANDY CLAY                            | 1810 | 1930 |
| HARD CLAY                             | 1930 | 1935 |
| SANDY CLAY                            | 1935 | 1965 |
| CLAY                                  | 1965 | 2195 |
| SHALE                                 | 2195 | 2225 |
| CLAY & SAND STREAKS                   | 2225 | 2240 |
| CLAY & SHALE STREAKS                  | 2240 | 2475 |
| SAND                                  | 2475 | 2490 |
| CLAY                                  | 2490 | 2500 |
| SAND                                  | 2500 | 2505 |

TYPE OF COMPLETION:

|   |  |                                    |
|---|--|------------------------------------|
| Gravel Packed <input checked="" type="checkbox"/> | Natural Development <input type="checkbox"/> | Open Hole <input type="checkbox"/> |
| Underreamed <input checked="" type="checkbox"/>   | Other (Describe) _____                       |                                    |

WELL GROUTED TO A DEPTH OF **2835'** FEET

Type Grout:  
Cement  Bentonite  Mix

**SCREEN DATA**

|  |                                       |                                 |
|--|---------------------------------------|---------------------------------|
| Diameter (In.)<br><b>9 5/8"</b>        | Length (Ft.)<br><b>283'</b>           | Slot Size (In.)<br><b>0.020</b> |
| Screen Type<br><b>S S O N C S PIPE</b> | Depth to Bottom (Ft.)<br><b>3221'</b> |                                 |

**(CONTINUED ON REVERSE SIDE)**

Top of Lap Pipe or IF TELESCOPED OR MORE THAN ONE SCREEN, USE PAGE.  
Reduction in Casing **3640' FEET**

I certify that the well was drilled, constructed and completed in accordance with all applicable Requirements of the Mississippi Department of Environmental Quality and the Mississippi Department of Health regulations and state laws.

**LAYNE-CENTRAL**  
By: *Dave Cook*  
Signature of Licensed Driller and License No.

**BY: OLWR**  
*11-17-03*  
Date

Additional Information Required on Back