

Coded by  
Checked by  
Entered by  
Date

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

Reform Quad  
Well No. D45  
E-Log No. 60  
County CHOCTAW  
Agency

WELL RECORD

4001-UND4

Agency Code: U S G S  
Site ID: 1= 332340089141001  
Project No. 5=

Station Name: 12= D045 MS LIGNITE  
Longitude: 10= 0891410  
Latitude: 9= 332340

Lat/Long Ac. Lat/Long Met. Lat/Long Datum: 11= S 35= G 36= NAD27  
Dist Code: 6= 28  
State Code: 7= 28  
County Code: 8= 019

Center of Sec.

S=GPS, F=+5 sec, T=+10 sec, M=+1 min, b=+1 min

Land Net Location: 13= NWNWSE S 27 T 18 N R 10 E  
Meridian: I=Chickasaw, O=Choctaw, H=Huntsville, S=St. Stephens, W=Washington

NW

Location Map: 14= REFORM  
Altitude: 16= 420  
Accuracy: 18= 5  
Method Meas.: 17= M  
A=Altimeter, L=Surveying, M=TopoMap, b=Unknown

Altitude Datum: 22= NGVD29  
Hydrologic Unit: 20= 08060201  
Topo Set.: 19=  
Agency Use: 803= A I O  
Date Invented: 711=

Station Type: 802=  
Data Type: 804= A I O  
Gr. Time: 813=-06  
Loc. Time: 814= Y  
Web-R: 32=  
Reliability: 3= C L M U  
Date of Construction: 21= 03-10-1999

Well Use: 23= Z  
Water Use: 24=  
Primary Aquifer: 714= WLCXM  
Hole Depth: 27= 176.  
Well Depth: 28=

CONSTRUCTION DATA  
Construction Date: 60= 03-18-1999  
Contractor: 63= 628  
Name: GeoScience  
Method: 65= H  
Finish: 66=

CONSTRUCTION CASING DATA  
Top/Casing: 77= 0.  
Bottom/Casing: 78= 137.  
Diameter: 79= 4.  
observation well

CONSTRUCTION OPENINGS DATA  
Top/Depth: 83= 137.  
Bottom/Depth: 84= 167.  
Diameter: 87= 4.  
Type: 85= P  
Length: 89=  
Width: 88=

CONSTRUCTION LIFT DATA  
Lift Type: 43=  
Date: 38=  
Intake: 44=  
Power: 45=  
H.P.: 46=  
Serial No.: 49=

MISCELLANEOUS OWNERSHIP DATA  
Date of Ownership: 159= 03-10-1999  
Owner Name: 161= MS LIGNITE CORP

MISCELLANEOUS OTHER ID DATA  
E-Log No.: 190= 060  
Assigner: 191= M I S S I S T  
306 E-log # D-016

MISCELLANEOUS LOGS DATA  
Log Type: 199= E  
Beg. Depth: 200= 10.  
End Depth: 201= 176.  
Log Type: 199=  
Beg. Depth: 200=  
End Depth: 201=

MISCELLANEOUS NETWORK DATA 706=QW,WL,WD\*

R=114	T=A	730#1	Beg. Year	115=	End Year	116=	120=A	Agency Source	117=	Freq.	118=
R=121	T=A	730#2	Beg. Year	115=	End Year	116=	117=	Agency Source	117=	Freq.	118=

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks	184=	Remarks	185=
-------	-----	-------	-----------------	------	---------	------

DISCHARGE DATA

R=146	T=A	Pump/Flow	147#1	Date	148=	Type	703= P F	Discharge	150=
Meth. Dis.	152=	Static Water Level	154=	Source WL	155=	Sp. Capacity	272=		

GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top	91=	Depth Bottom	92=	Unit ID	93=	304=P
------	-----	-------	-----------	-----	--------------	-----	---------	-----	-------

HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested	100=	103=
------	-----	-------	-------------	------	------

HISTORICAL WATER LEVEL DATA

R=234	T=A	Date	235=	Water Level	237=	Source	243=L	239=
-------	-----	------	------	-------------	------	--------	-------	------

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 <b>Choctaw</b>	
WELL NUMBER <b>D45</b>	CODED
DATE WELL COMPLETED <b>3/18/99</b>	

PERMIT NUMBER
NAME OF DRILLING FIRM <b>GeoScience Eng.</b>
<b>4001-LND4</b>

NAME & MAILING ADDRESS OF LANDOWNER <b>MS Lignite Corp.</b>			
Latitude: <b>33° 23' 40"</b> Longitude: <b>89° 14' 10"</b>			
WELL LOCATION.	SEC	TOWNSHIP	RANGE
<b>CTR.</b>	<b>27</b>	<b>18</b>	<b>(N) 10 (E)</b>
DISTANCE	DIRECTION	NEAREST TOWN	
Miles	of		
OTHER LANDMARK			
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc. <b>Observation</b>			

PUMP DATA

PUMP TYPE (Circle One): Submersible, Turbine, Jet, Flowing Well, Other (Describe) <u>None</u>
POWER TYPE (Circle One): Electric, Tractor, Diesel, Gasoline, Butane, Other (Describe) <u>H/P</u>

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
<b>Middle Wilcox</b>		
Top of Lap Pipe or Reduction in Casing		

WELL DATA

Well Depth <b>167'</b>	Casing Diameter (In.) <b>4"</b>	Casing Length (Ft.) <b>137'</b>
Type of Casing <b>PVC</b>	Hole Depth <b>170'</b>	Depth to Static Water Level
TYPE OF COMPLETION: (Circle One or More): (Gravel Packed,) Underreamed, Telescoped, Natural Development, Open Hole, Other (Describe)		

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

SCREEN DATA

Diameter - Inches <b>4"</b>	Length - Feet <b>30'</b>	Slot Size - Inches <b>.010</b>
Screen Type <b>PVC</b>	Depth to Bottom - Feet <b>167'</b>	

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

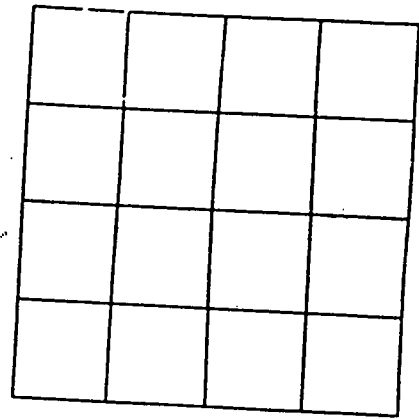
I certify that the well was drilled, constructed and completed in accordance with all applicable Requirements of the Mississippi Department of Environmental Quality and/or the Mississippi Department of Health regulations and state laws.

Signature of Licensed Driller and License No. \_\_\_\_\_ **P. Phillips**  
Date **8/15/2003**

Additional Information Required On Back  
**Data from lignite mine project files**

If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION \_\_\_\_\_

Please indicate well location X.

Pump Capacity (GPM)	No. of Stages	Setting Depth	FT.
---------------------	---------------	---------------	-----

PUMP TEST

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

LOG DATA

TYPE OF LOG RUN (Circle One): No Log Run,  
 (Electric.) (Gamma Ray) Density, Sonic, Neutron,  
 Other (Describe) Elog file # D-016

Name of Organization Running Log  
ms office of Geology

GEOLOGIC DATA (Office Use Only)

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

Driller's Remarks

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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



Well # 4001-UND 4

D0045-019. 12/7/1999

Choctaw Co. Down dirt road from shop well.

# Water Well Field Data Form

USCS # / FP D45 County Choctaw Health # \_\_\_\_\_ Aquifer \_\_\_\_\_

Owner Wayne's # : D4001 Local Name 4001-4WD4

Quad Map \_\_\_\_\_ Location \_\_\_\_\_ Elevation \_\_\_\_\_

19B

33 23.631

89 14.162

P 385

Measuring Point Top of PVC casing inside Date 12/7/99 Party \_\_\_\_\_  
protective pipe above ground Remarks Sounded at 170ft

Tape Down #	1	2	3	4
Hold				
Wet				
Difference	70.18			
MP Correction	2.35			
Water Level	67.83			

Additional remarks and/or sketches on back (circle if any)

3699  
3698  
3697  
3696  
3695  
1 350 000  
FEET  
33° 22' 30"  
T. 18 N.  
T. 17 N.

