Office of Land and Water Resources

P. O. Box 10631
Jackson, MS 39289-0631

WATER WELL DRILLERS LOG

WELL NUMBER	CODED
One	
G-83	
DATE WELL COMPLETED	
7-25-02	

PERMIT NUMBER MSGW 15810

NAME OF DRILLING FIRM: Layne Central Co.

NAME & MAILING ADDRESS OF LANDOWNER
Webb Building
2035 Fletcher Creek Dr
Memphis, TN. 38133

WELL LOCATION: SEC 4 TOWNSHIP 2 N RANGE 7 E (W)
34° 56' 23n 89° 56' 30W S
DISTANCE 2 Miles DIRECTION South NEAREST TOWN of Getwell&Goodman

OTHER LANDMARK: New Desoto High School

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) H/P

Pump Capacity (GPM)	No. of Stages	Setting Depth
250	4	231 FT.

PUMP TEST: Well yielded 166 GPM with a drawdown of 24' ft. after 6 hours of pumping

WELL DATA

Well Depth	Casing Diameter (In.)	Casing Length (Ft.)
420'	10"	355
Type of Casing	**Hole Depth**	**Depth to Static Water Level**
Carbon	425'	161'

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

WELL GROUTED TO A DEPTH OF 355 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)

Name of Organization Running Log: Layne Central Co.

SCREEN DATA

Diameter - Inches	Length - Feet	Slot Size - Inches
6"	61'	30 Slot
Screen Type		**Depth to Bottom - Feet**
Stainless Wire Wrap		420'

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: 308 FEET

IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
See Attached		

FORMATIONS (Continued)	FROM	TO

RECEIVED
SEP 10 2002
Dept. of Environmental Quality
Office of Land & Water Resources

IF MORE SPACE IS NEEDED, USE BACK

DeSoto Co.
G83

FORMATION LOG OF THE WELL OR TEST HOLE

Started Test Hole 7/1/ 20 02 Finished 7/3/ 20 02 Test Hole Number 1

Location Desoto High School Sec _____ TS _____ Range _____ Elevation

Total Depth	Thickness Each Stratum	Formation
14	14	Brown Clay
48	34	Sand & Gravel
60	12	Yellow Clay
191	131	Gray Clay
221	30	Sand & White Clay Streaks
252	31	Fine Red Sand & Clay Streaks
332	14	Clay & Sand Streaks
340	8	Sand & Clay Streaks W/ Lignite
346	6	Clay
458	112	Fine Sand, Clay Streaks w/ Lignite
505	47	Fine Sand & Clay Streaks
		SAMPLE
		1. 221 - 252
		2. 252 - 283
		3. 283 - 314
		4. 332 - 346
		5. 346 - 378
		6. 378 - 409
		7. 409 - 441
		8. 441 - 473
		9. 473 - 505

Total Depth	Thickness Each Stratum	Formation

Mud Pit Size _____ **Ft. X** _____ **Ft. X** _____ **Ft. Deep**
Type Bit Used to Cut Sand
Size of Test Hole Through Sand
Type of Bit Used to Cut Upper Formations
_____ **Size**
Type Mud Pump Used
Drilling Pressure in Sand
Type of Mud Used
Notes:

Test Data Final Test

Static Water Level	
Pumped GPM	
Pressure Pounds	
Draw Down	
GPFD	
Guaranteed GPM	
Guaranteed Pressure	
Date of Test	

REMARKS

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Driller Lynwood Hathcock

Field Supt Ray Smith