

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Land and Water Resources

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

WATER WELL DRILLERS LOG

COUNTY <u>ELL</u> LOCATED	
Geographic WELL NUMBER	CODED
G-112	
DATE WELL COMPLETED	
6-30-2003	

PERMIT NUMBER
<u>MS-GW-15893</u>
NAME OF DRILLING FIRM
Layne-Central Company
Pensacola, FL

NAME & MAILING ADDRESS OF LANDOWNER
City of Lucedale

Latitude: 30° 54.096' N
Longitude: 89° 36.166' W

WELL LOCATION	SEC	TOWNSHIP	RANGE
	<u>5</u>	<u>2</u>	<u>6</u>
		<u>S</u>	<u>W</u>

DISTANCE _____ MILES DIRECTION _____ NEAREST TOWN _____

OTHER LANDMARK
Richland Drive

WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.
Municipal Potable Supply

WELL DATA

Well Depth	Casing Diameter (In.)	Casing Length (Ft.)
<u>1306'</u>	<u>16"</u>	<u>1230'</u>
Type of Casing	Hole Depth	Depth to Static Water Level
<u>A-536RB</u>	<u>1307'</u>	<u>194'</u>

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

WELL GROUTED TO A DEPTH OF 1230' FEET
Type Grout (circle one): Cement, Bentonite, or Mix

SCREEN DATA

Diameter - Inches	Length - Feet	Slot Size - Inches
<u>10"</u>	<u>60'</u>	<u>.030 in.</u>
Screen Type	Depth to Bottom - Feet	
<u>304 SS wire wrapped</u>	<u>1300'</u>	

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 100

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
<u>Top Soil</u>	<u>0</u>	<u>1</u>
<u>SEE ATTACHED FORMATION LOG</u>	<u>1</u>	<u>21</u>
<u>Sand & Yellow clay</u>	<u>31</u>	<u>36</u>
<u>Yellow Sand</u>	<u>36</u>	<u>46</u>
<u>Clay w/ Soft Struck</u>	<u>46</u>	<u>79</u>
<u>Sand & Gravel</u>	<u>79</u>	<u>133</u>
<u>Clay Blue w/ Sand Struck</u>	<u>133</u>	<u>206</u>
<u>Sand w/ Blue Clay "</u>	<u>206</u>	<u>317</u>
<u>Sand & Wood</u>	<u>317</u>	<u>347</u>
<u>White Clay</u>	<u>347</u>	<u>362</u>
<u>Sand</u>	<u>362</u>	<u>392</u>
<u>Sand & Clay Struck</u>	<u>392</u>	<u>415</u>
<u>Clay & Sand Struck</u>	<u>415</u>	<u>430</u>
<u>Sand & Clay</u>	<u>430</u>	<u>488</u>
<u>Clay & Sand</u>	<u>488</u>	<u>627</u>
<u>Blue Clay w/ Sand Struck</u>	<u>627</u>	<u>665</u>
<u>Clay & Sand Struck</u>	<u>665</u>	<u>750</u>
<u>Sandy Clay & Clay Struck</u>	<u>750</u>	<u>884</u>
<u>Sand & Clay</u>	<u>884</u>	<u>902</u>
<u>Fine Hard Pac Sand</u>	<u>902</u>	<u>924</u>

Top of Lap Pipe or Reduction in Casing
1170' 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.

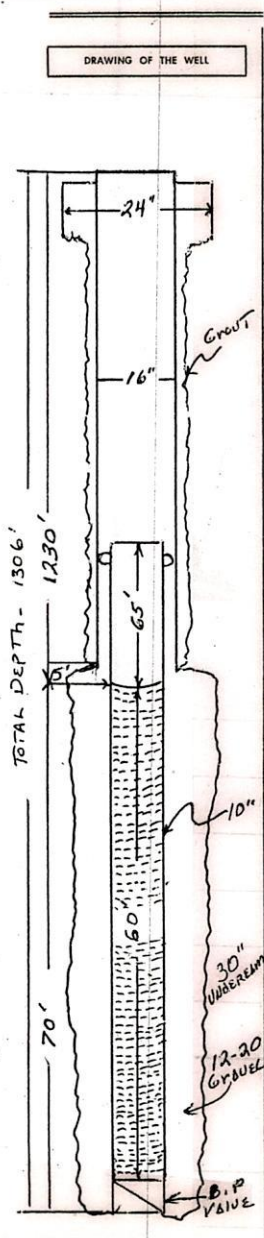
[Signature] 064
Signature of Licensed Driller and License No.

12/19/03
Date

Additional Information Required On Back

If well telescopes please sketch and show depths.

GROUND LEVEL



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

		X	

SECTION 5

Please indicate well location X.

Pump Capacity (GPM)	No. of Stages	Setting Depth
1000	5	306' 1" FT.
PUMP TEST		
Well yielded <u>969</u> GPM with		
a drawdown of <u>29</u> ft.		
after <u>1-1/2</u> hours of pumping		

LOG DATA

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

Name of Organization Running Log

Layne Christensen Company

GEOLOGIC DATA (Office Use Only)

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

Driller's Remarks

Layne - Central

3720 North Palafox St.
Pensacola, FL 32505

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JAN 06 2004

BY: OLWA

Phone 1-850-432-5101

Toll Free 1-800-356-3824

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FORMATION LOG

Contract: City of Lucedale Contract No. 78-6094

Date: 02-11-2003

City: Lucedale County: George

State: MS

Location: Water tank off 63

Test Hole No 1 Well No. _____

Elevation: _____

Date Began: 01-29-03 Date Completed: 02-11-03

Electric Log: yes

Size Slush Pit: _____

Sample No.	Viscosity Mud	Wt. Mud	Formation	Thickness Ea. Strata	Total Depth	Notes
			TOP SOIL	1	1	
			RED CLAY	20	21	
			SAND	10	31	
			SAND & YELLOW CLAY	5	36	
			YELLOW SAND	10	46	
			CLAY W/SOFT STREAKS	33	79	
			SAND & GRAVEL	54	133	
			CLAY BLUE W/SAND STREAKS	73	206	
			SAND W/BLUE CLAY STREAKS	111	317	
			SAND & WOOD	30	347	
			WHITE CLAY	15	362	
			SAND	30	392	
			SAND & CLAY CLAY STREAKS	23	415	
			CLAY & SAND STREAKS	15	430	
			SAND & CLAY STREAKS	58	488	
			CLAY & SAND STREAKS	139	627	
			BLUE CLAY W/WHITE STREAKS	38	665	
			CLAY & SAND STREAKS	85	750	
			SANDY CLAY & CLAY STREAKS	134	884	

FORMATION LOG

Contract No. 78-6094

Sample No.	Viscosity Mud	WL Mud	Formation	Thickness Ea. Strata	Total Depth	Notes
			SAND & CLAY STREAKS	18	902	
1			FINE HARD PAC SAND	22	924	
2			FINE HARD PAC SAND	22	946	
3			FINE HARD PAC SAND	23	969	
4			FINE GRAY SAND	23	992	
5			FINE SAND & CLAY STREAKS	23	1015	
6			FINE SAND & CLAY STREAKS	23	1038	
7			SAND & CLAY BREAKS	22	1060	
8			CLAY & SAND STREAKS	22	1082	
9			CLAY SANDY STREAKS	23	1105	
			CLAY SANDY STREAKS	13	1118	
10			BLUE SANDY CLAYS	32	1150	
11			SANDY & CLAY BREAKS	23	1173	
12			SAND & CLAY STREAKS	21	1194	
13			SAND & CLAY	23	1217	
14			SAND & CLAY BREAKS	23	1240	
15			SAND	23	1263	
16			SAND	22	1285	
17			SAND	10	1295	
			CLAY	32	1327	

DISPOSITION OF FORMATION SAMPLES:

Sent of Pensacola _____

Date 02-11-03
 Date _____
 Date _____

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