

**WELL SCHEDULE
FOR
THE OFFICE OF LAND AND WATER RESOURCES**

Fips: 13

Well: K19

Log No: _____

Recorded by: PPhillips Data Source: Drillers log Date: 8/11/99

County: Calhoun Permit No.: GW15446 DOH No.: 0070004-03

Quad: Calhoun City Elevation: 303

1/4: _____ 1/4: SW 1/4: NW 1/4: SE Sec.: 11 T: 23N R: 9E

Plotted on quad?: In field? From drillers log? _____ From permit? _____

Latitude: 33° 52' 20.3" Longitude: 89° 19' 27.3" GPS? From quad? _____

Primary Aquifer: Gord? Secondary Aquifer: _____

Use: Mu Well status: _____ Local Well Name: _____

Owner: Town of Calhoun City

Date completed: 5/9/96 Driller: Layne Central Well depth: 2031 Hole depth: 2035

Pump type: Turbine Power type: Diesel Pump capacity: 500 gpm
(-1668 to -1728)

Screen interval: 1971 - 2031 Screen length: 60' Screen diameter: 8"

Screen interval: _____ Screen length: _____ Screen diameter: _____
(303 to -1668)

Casing interval: 0 - 1971 Casing length: 1971' Casing diameter: 12"
(-1604 to -1668)

Casing interval: 1907 - 1971 Casing length: 64' Casing diameter: 8"

Type of logs: _____ Log interval: _____

Initial water level(l/s): _____ Date: _____ Measuring point description: _____

Water Quality Data? _____ Source: _____ Reliability: _____

Water Level Data? _____ Source: _____ Reliability: _____

Pump Test Data? _____ Source: _____ Reliability: _____

Water Use Data? _____ Source: _____ Reliability: _____

Water level data

This area for location map and notes

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
Office of Land and Water Resources

COUNTY WELL LOCATED
CALHOUN

WELL NUMBER **X 19** CODED

PERMIT NUMBER

DATE WELL COMPLETED
5/9/96

NAME OF DRILLING FIRM
LAYNE-CENTRAL, a division of

Layne Christensen Company

P. O. Box 10631
Jackson, MS 39289-0631
WATER WELL DRILLERS LOG

NAME & MAILING ADDRESS OF LANDOWNER
TOWN OF CALHOUN CITY

C/O JOE SUTHERLAND ENGINEERS

P.O. BOX 635 **23rd St**
GRENADA, MS 38901 **10th St**

WELL LOCATION SEC **11** TOWNSHIP **234** RANGE **9 E**

DISTANCE **1.15** MILES DIRECTION **S** NEAREST TOWN **INSIDE CITY LIMITS OF CALHOUN CITY**

OTHER LANDMARK

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

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) **500** No. of Stages **8** Setting Depth **220** FT.

PUMP TEST
Well yielded **525** GPM with
a drawdown of **40** ft.
after **24** hours of pumping

WELL DATA

Well Depth 2035'	Casing Diameter (In.) 12"	Casing Length (Ft.) 1971'
Type of Casing STEEL	Hole Depth 2035'	Depth to Static Water Level 142'

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

LOG DATA

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

No Log Run

Name of Organization Running Log
LAYNE

WELL GROUTED TO A DEPTH OF **1971** FEET
Type Grout (circle one) Cement, Bentonite, or Mix

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
1907 FEET

IF TELESCOPED OR MORE THAN ONE SCREEN, USE BACK PAGE

SCREEN DATA

Diameter - Inches 8"	Length - Feet 60'	Slot Size - Inches .020
Screen Type STAINLESS STEEL	Depth to Bottom - Feet 2031 2035	

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
RED CLAY	0	8	SHALE	476	525
SANDY GRAY CLAY	8	18	SANDY SHALE	525	645
GRAY CLAY W/SAND STKS	18	28	HARD SHALE	645	702
ROCK	28	28	LIMESTONE & SHALE STKS	702	1260
GRAY CLAY	28	157	SHALE	1260	1490
ROCK	157	157	GRAY CLAY	1490	1540
GRAY CLAY	157	171	SANDY SHALE	1540	1672
ROCK	171	171	SHALE & SAND STREAKS	1672	1773
GRAY CLAY	171	275	ROCKS	1773	1783
SANDY GRAY CLAY	275	335	SANDY SHALE	1783	1790
SHALE	335	476			

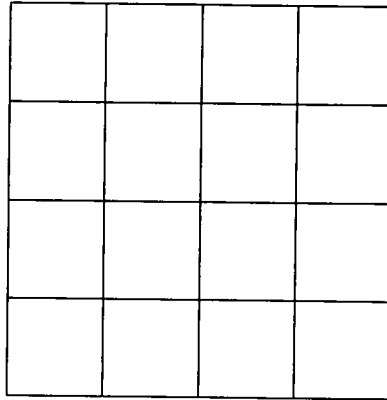
IF MORE SPACE IS NEEDED, USE BACK

RECEIVED

Office of Environmental Quality
Office of Land & Water Resources

If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION _____

Please indicate well location X.

ADDITIONAL INFORMATION

HARD SHALE	1790	1853
SAND & GRAVEL	1853	1883
HARD SHALE	1883	1926
SANDY SHALE	1926	1950
SAND & GRAVEL	1950	2035

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

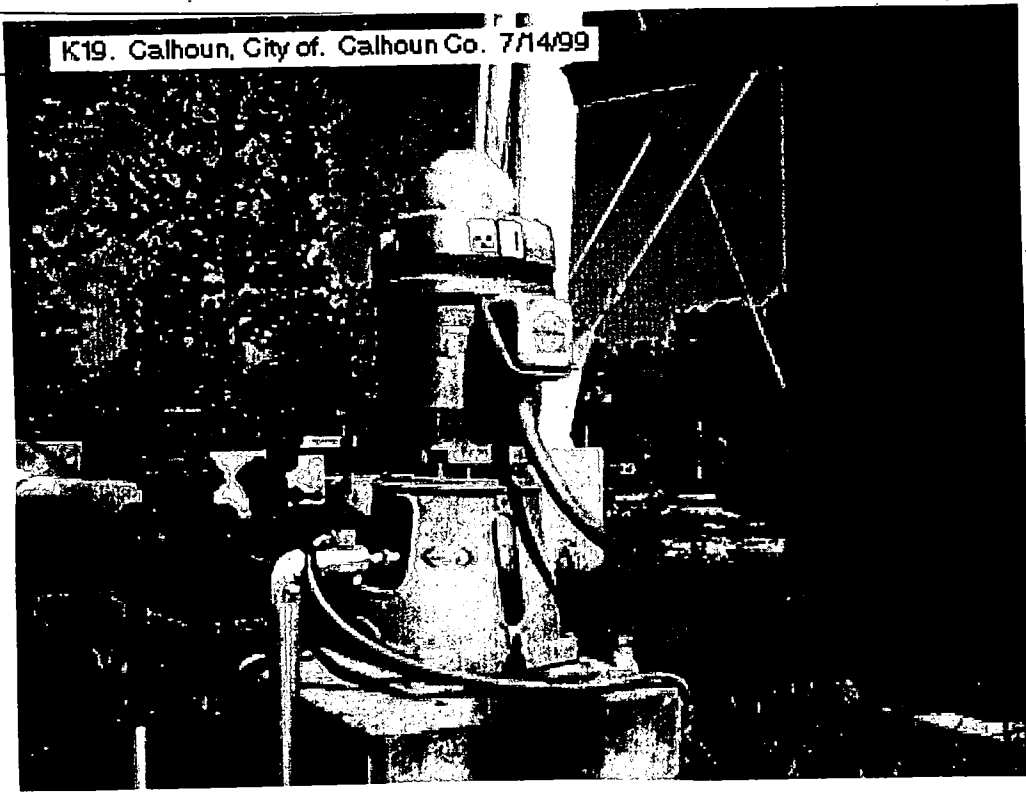
DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): AH / mo DATE: 7-14-99
UNIT DEQ #: _____ FILE #: A071414A
HEALTH DEPT. #: No Tag 070004-03? ELEV.: 300
USGS #: K-19 OLWR #: _____
OWNER: City of Calhoun QUAD: Calhoun City
LOCATION: _____ S 11 T 23N R 9E COUNTY: Calhoun
LOCATION DESCRIPTION well located at water tank off
Burke - Calhoun city rd.

CASING DIAM: _____ PUMP TYPE AND SIZE: 60HP / turbine
GPS FIELD LOCATION: LAT: 33° 52.325N LONG: 89° 19.511W
GPS CORRECTED: LAT: 33.872319 LONG: 89.324251
REMARKS: 62408 to CR 411 follow to gravel rd to water tank
CR 411 make a horseshoe

p 290



STATES
THE INTERIOR
SURVEY

070009
K19

