

Coded 2103
Checked by: 090703
Entered by: ZJK
Date: 7/03

U. S. Geological Survey
Water Resources Division
Mississippi District
Well Record

Well No. H151
E-Log No. 110 D 09
County GRENADE
Agency 111C

Agency Code USGS Site ID 1=334636089441001 Project No. (12 chara.) 5=

Station Name H0151 X X GRENADE CO Station Type 802= Y

Dist. Code 28 State Code 28 County Code 043 Latitude 9=334636 Longitude 10=0894410 Lat/Long Acc. 11=F Lat/Long Meth. 35=M

11- L/L Acc. 1=+/- .1 sec, 5=+/- .5 sec, S=+/- 1sec(GPS), F=+/- 5sec, T=+/- 10 sec, M=+/- 1 min
35- L/L Meth. D=DGPS, G=GPS, L=Loran, M=MAP, S=Survey, U=Unknown
If determined from topo 1/2 contour interval
A=Allimeter, D=DGPS
G=GPS, L=Surveying
M=Topo, U=Unknown

Lat/Long Datum (NAD27 or NAD83) 38= NAD27 Altitude 210 Accuracy 18=10 Method Meas. 17=M Altitude Datum (NGVD29 or NAVD88) 22= NGVD29

Land Net Loc. NE NES X LYT ZZM X ROSE X X O Meridians I=Chickasaw, O=Choctaw, H=Huntsville, S=St. Stephens, W=Washington Hydrologic Unit 20=08050205

Gr. Time 813=CST Loc. Time 814=Y Location Map 14= KINCAID Agency Use 803=0 Date Inventoried 711=

Station Remarks Field (50 chara.)--33 spaces shown
606= 1 mi E of Grenada

Web-R 27= X Reliability 3=C L M U Date of Construction 21=03032000 Well Use 23=W Water Use 24=P

Primary Aquifer 714= Hole Depth 27=426.0 Well Depth 28=394.0

Construction Data Construction Date 60=03032000 Contractor 63=0064 Name LAYNE Method 65=H Finish 66=G

Construction Casing Data Top of Casing 77=0.0 Bottom of Casing 78=335.0 Diameter 79=1.8.0 Material 80=S

Top of Casing 77=0.0 Bottom of Casing 78=344.0 Diameter 79=1.2.0 Material 80=S

Construct. Openings Data Top / Depth 83=344.0 Bottom / Depth 84=394.0 Diameter 87=1.2.0 Material 86=S Type 85=S Width 88=

Top / Depth 83= Bottom / Depth 84= Diameter 87= Material 86= Type 85= Width 88=

F-fractured rock, M-mesh screen, P-perforated, R-Wire-wound, S-screen, T-sand point, X-open hole (For other types see manual)
G-galv. iron, P-pvc/plastic, R-stainless steel, S-steel

Construction Lift Data Lift Type 43=S DATE 38=03032000 Intake 44=330

Power Type 45= Horse Power 46=100.0 Serial No. 49=

Misc Owner Data Date of Ownership 159=03032000

Owner Name (Max of 64 characters--34 shown)
161= CITY GRENADE

Phone Number 351= Street Address (max. of 64 characters) 353= P.O. BOX 310 City 355= GRENADE

State 356= MS Zip Code 357= 38902

358= USA

Misc Other ID Data E-Log No. Assigner
 R=189 T=A 736 #1 190= * 191= M I S S I D I S T

Misc Logs Data Log Type Beg. Depth End Depth Format
 R=198 T=A 739 #1 199= DR 200= 0 201= 426 225= F 226= USGS Files
 Log Type Beg. Depth End Depth Source
 R=198 T=A 739 #2 199= 200= 201= 225= F 226= USGS files

Misc. Network Data 706= QW, WL, WD *
 Beg. of Year End of Year Agency Source Freq.
 R=114 T=A 730 #1 115= 116= 120=A 117= 118=
 Beg. of Year End of Year Agency Source Freq.
 R=121 T=A 730 #2 115= 116= 120=A 117= 118=

Misc Remarks Data Date of Remarks Remarks (Max. of 44 characters) 16 SHOWN
 R=183 T=A 311 #1 184= 185= M S G W 1 5 8 1 8

Discharge Data Date Type Discharge
 R=146 T=A Pump/Flow 147 #1 148= 03032000 703= D F * 150= 837 *
 Meth. Disc. Duration Specific Cpacity Drawdown
 152= R 157= 8 * 272= * 309= 31 *

Geohydrologic Data Depth-Top of Interval Depth-Bottom of Interval Aquifer Code
 R=90 T=A 721 #1 91= * 92= * 93= *

Hydraulic Data Hydraulic Unit ID Unit Type
 R=98 T=A 790 #1 Unit Tested 100= 109= 10 304= P

Historical Water Level Data Date Water Level Method of Meas. Source Source Agency
 R=234 T=A 235# 03032000 243= L 237= 240 239= R 244= D 247= MS008

A-gov., D-driller, G-geologist, L-logs, M-memory,
 O-owner, R-other reported, S-reporting agency, Z-other

Cooperator's Remarks (DEQ's Permit #) (25 chara)
 R=18 = M S G W 1 5 8 1 8

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
Clay	0	2
Rock	2	4
Clay	4	16
Shale with Sand Streaks	16	47
Clay	47	70
Clay with Sand Streaks	70	152
Clay (Sandy)	152	170
Sand with Lignite, Clay Streaks	170	282
Clay & Lignite	282	290
Sand with Lignite	290	366
Sand with Clay and Lignite	366	406
Clay	406	426

22-8152

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
Office of Land and Water Resources

COUNTY WELL LOCATED
Grenada

WELL NUMBER **H-151** CODED

DATE WELL COMPLETED
3/3/2000

PERMIT NUMBER **GW15818**

NAME OF DRILLING FIRM
Layne-Central, a div. of
Layne Christensen Co.

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

NAME & MAILING ADDRESS OF LANDOWNER
City of Grenada

P.O. Box 310

Grenada, MS 38902

WELL LOCATION SEC **14** TOWNSHIP **22** RANGE **5**
N E

DISTANCE **1** Miles DIRECTION **East** NEAREST TOWN **Grenada**

OTHER LANDMARK

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

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**

Pump Capacity (GPM) **800** No. of Stages **5** Setting Depth **330** FT.

PUMP TEST
Well yielded **837** GPM with
a drawdown of **31** ft.
after **8** hours of pumping

WELL DATA

Well Depth 394'	Casing Diameter (In.) 18"	Casing Length (Ft.) 335'
Type of Casing Steel	Hole Depth 426'	Depth to Static Water Level 240'

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

WELL GROUTED TO A DEPTH OF **335 FEET**
Type Grout (circle one): Cement, Bentonite, or Mix

LOG DATA

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

Name of Organization Running Log
Layne Geophysical Services

SCREEN DATA

Diameter - Inches 12"	Length - Feet 50'	Slot Size - Inches .050
Screen Type Stainless Steel	Depth to Bottom - Feet 394'	

GEOLOGIC DATA (Office Use Only)

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

Driller's Remarks
N33° 46.092' W089° 45.299'

Top of Lap Pipe or Reduction in Casing
FEET IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

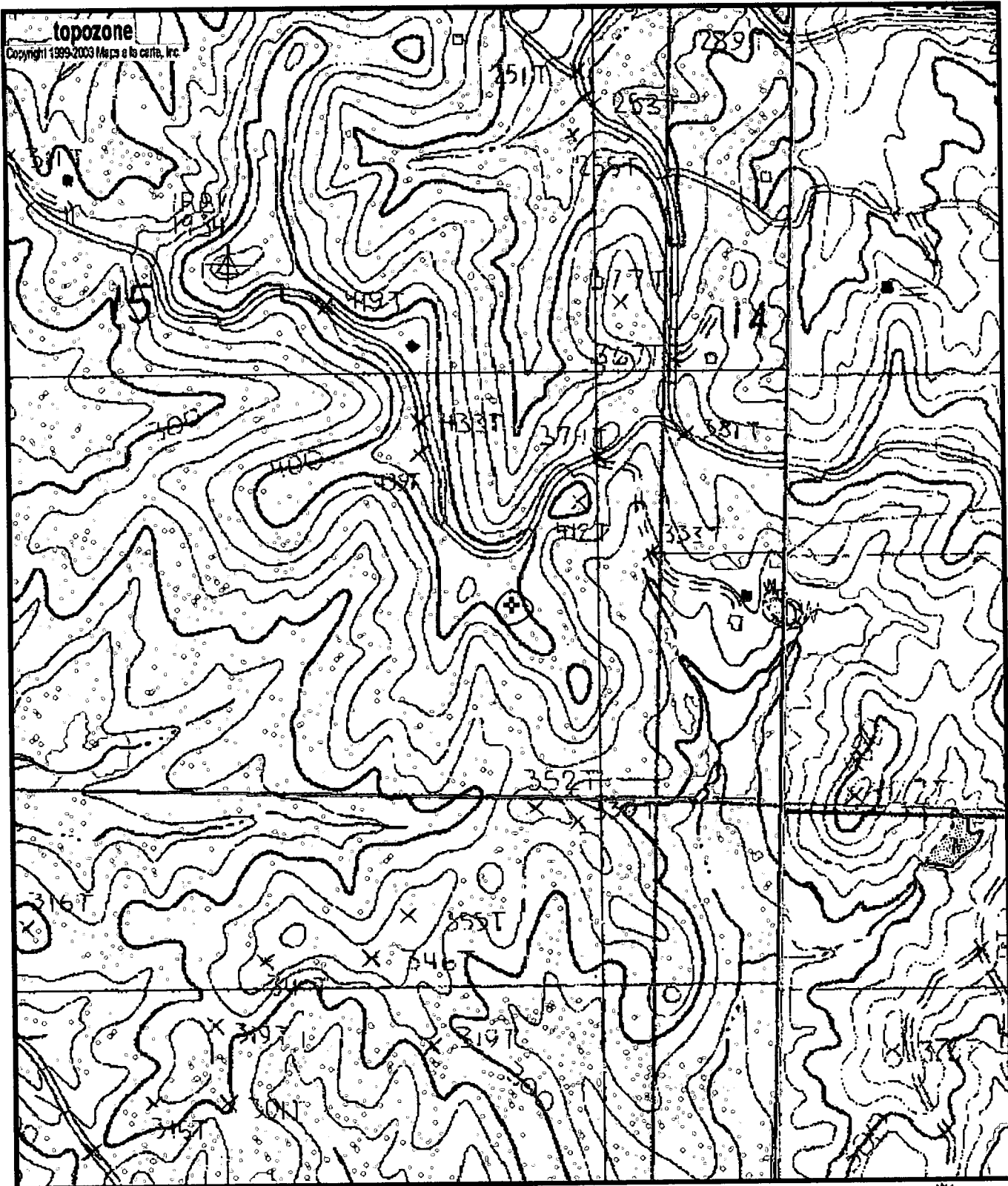
DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Clay	0	2	Sand with Clay and		
Rock	2	4	Lignite	366	406
Clay	4	16	Clay	406	426
Shale with Sand Streaks	16	47			
Clay	47	70			
Clay with Sand Streaks	70	152			
Clay (Sandy)	152	170			
Sand with Lignite, Clay					
Streaks	170	282			
Clay & Lignite	282	290			
Sand with Lignite	290	366			

RECEIVED

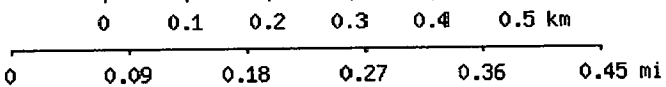
APR 06 2001

Dept. of Environmental Quality
Office of Land and Water Resources

DO NOT REMOVE ORIGINALS



0220005-03
 Gw15818
 H151



Map center is 33° 46' 05"N, 89° 45' 18"W (WGS84/NAD83)
Grenada quadrangle
 Projection is UTM Zone 16 NAD83 Datum

