



MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

WELL SCHEDULE

FIPS: 21

WELL: F66

LOG NO.: \_\_\_\_\_

Recorded by: PPhillips Data Source: driller's log permit Date: 3/11/05

County: Clairborne Permit No.: GW15026 DOH No.: 0110011-04

Quad: Grand Gulf Elevation: \_\_\_\_\_

1/4: \_\_\_\_\_ 1/4: \_\_\_\_\_ 1/4: 1R 1/4: 1R Sec.: 12 T: 12N R: 2E

Plotted on quad?: \_\_\_\_\_ In field? \_\_\_\_\_ From drillers log? \_\_\_\_\_ From permit? \_\_\_\_\_

Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_ GPS? RLB <sup>2/18/05</sup> From Quad? \_\_\_\_\_

Primary aquifer: MOCN Secondary aquifer: \_\_\_\_\_

Use: IN Well status: \_\_\_\_\_ Local well name: Grand Gulf #4

Owner: System Energy Resources, Inc.

Date completed: 1/18/96 Driller: Layne Central Well depth: 163 Hole Depth: 163

Pump type: T Power type: E Pump capacity: 506 HP: 50

Casing interval: 0-103 Casing length: 103' Casing diameter: 18" Casing type: S

Casing interval: 0-140' Casing length: 140' Casing diameter: \_\_\_\_\_ Casing type: \_\_\_\_\_

Screen interval: 110-150 Screen length: 40' Screen diameter: 12" Screen type: SS

Screen interval: \_\_\_\_\_ Screen length: \_\_\_\_\_ Screen diameter: \_\_\_\_\_ Screen type: \_\_\_\_\_

Type of logs: \_\_\_\_\_ Log interval: \_\_\_\_\_

Initial water level: 91 Date: 1/18/96 M.P. description: \_\_\_\_\_

Water Quality Data? \_\_\_\_\_ Source: \_\_\_\_\_ Reliability: \_\_\_\_\_

Water Level Data? \_\_\_\_\_ Source: \_\_\_\_\_ Reliability: \_\_\_\_\_

Pump Test Data? \_\_\_\_\_ Source: \_\_\_\_\_ Reliability: \_\_\_\_\_

Water Use Data? \_\_\_\_\_ Source: \_\_\_\_\_ Reliability: \_\_\_\_\_

COUNTY WELL LOCATED  
**Claiborne**

WELL NUMBER  
**4**

CODED

**F66**

DATE WELL COMPLETED  
**1-18-96**

PERMIT NUMBER  
**MSGW-15026**

NAME OF DRILLING FIRM  
**Layne-Central,  
A Division of Layne, Inc.**

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY  
Office of Land and Water Resources  
P. O. Box 10631  
Jackson, MS 39289-0631  
WATER WELL DRILLERS LOG

NAME & MAILING ADDRESS OF LANDOWNER  
**Enterway Operations  
P.O. Box 31995  
Jackson, MS 39286-1995**

WELL LOCATION SEC TOWNSHIP RANGE  
**12 12 N 2 E**

DISTANCE DIRECTION NEAREST TOWN  
**65' South of M.S.W.-14989**

OTHER LANDMARK  
**At Treatment Plant**

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 **50**

Pump Capacity (GPM) No. of Stages Sinking Depth  
FT.

PUMP TEST  
Well yielded **506** GPM with  
a drawdown of **11.5** ft.  
after **4** hours of pumping

WELL DATA

Well Depth <b>163'</b>	Casing Diameter (in.) <b>18"</b>	Casing Length (ft.) <b>103'</b>
Type of Casing <b>Steel</b>	How Deep <b>163'</b>	Depth to Static Water Level <b>91'</b>

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

WELL GROUTED TO A DEPTH OF **103** FEET  
Type Grout (circle one): **Cement**, Bentonite, or Mix

LOG DATA

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

Name of Organization Running Log

GEOLOGIC DATA (Office Use Only)

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

SCREEN DATA

Diameter - inches <b>12"</b>	Length - Feet <b>40'</b>	Slot Size - inches <b>0.025"</b>
Screen Type <b>SSWW</b>	Depth to Bottom - Feet <b>150'</b>	

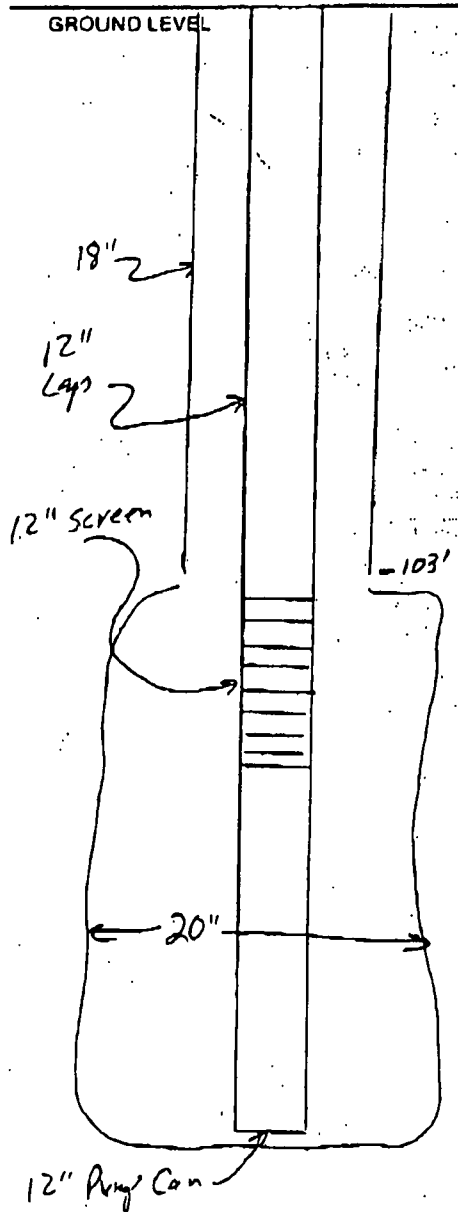
Driller's Remarks  
**Pump Can on Screen Bottom  
From 150' to 163'**

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
<b>BROWN CLAY</b>	<b>0</b>	<b>90</b>			
<b>YELLOW CLAY</b>	<b>90</b>	<b>95</b>			
<b>SAND &amp; GRAVEL</b>	<b>95</b>	<b>155</b>			
<b>BLUE CLAY</b>	<b>155</b>	<b>163</b>			

IF MORE SPACE IS NEEDED, USE BACK

If well telescopes please sketch and show depths.



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


SECTION \_\_\_\_\_

Please indicate well location X.

ADDITIONAL INFORMATION

12" Lap extended to surface

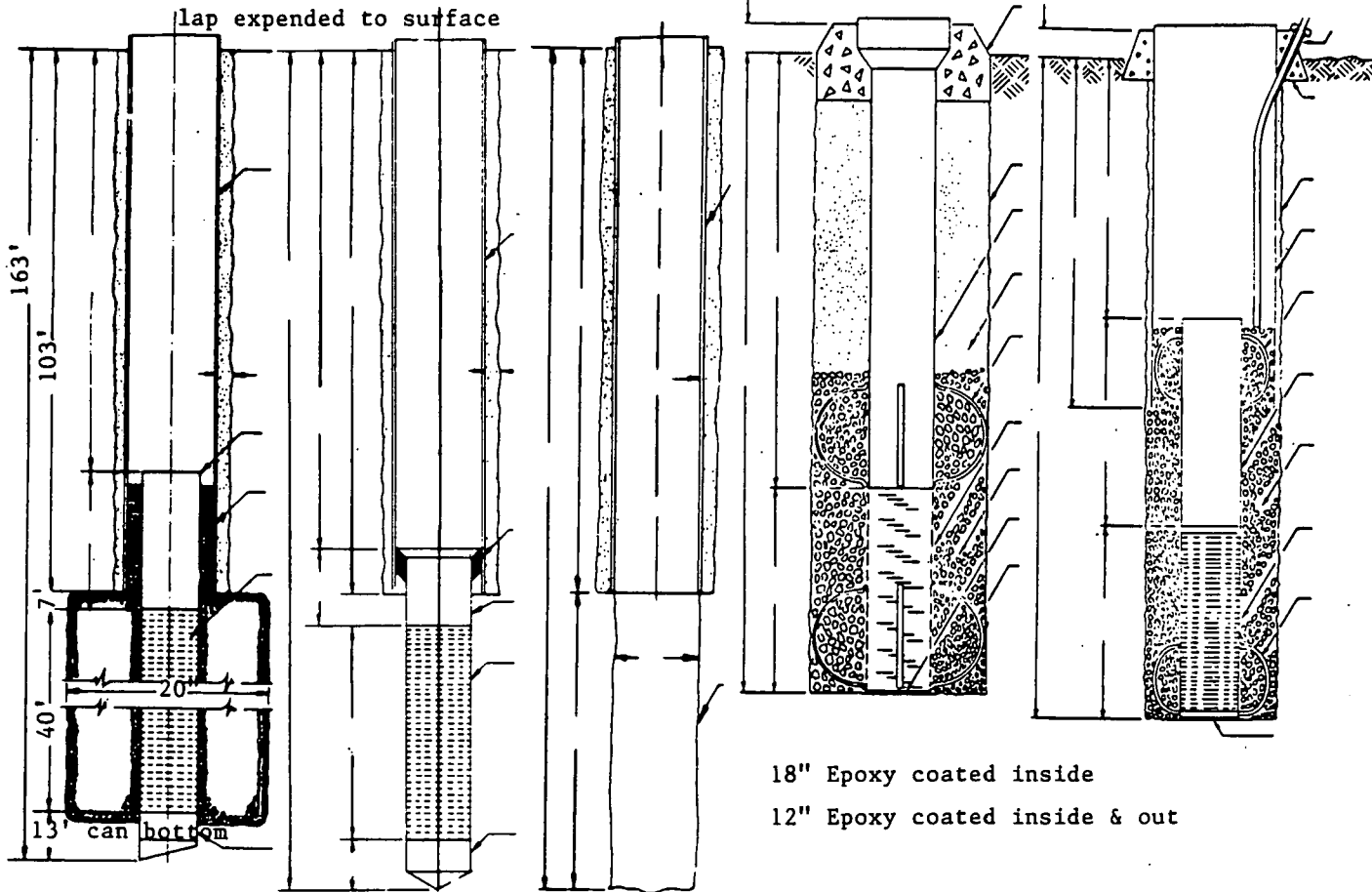
Bottom casing 103'

TOP SCREEN 110'

BOI-SCREEN 150'

BOI-PUMP CAN 163'

Log of Well for Entergy Well No. 4  
 Address (City) Port Gibson (County) Claiborne State Mississippi  
 Location of Well Water treatment plant, Grand Gulf Made in Test Hole No. one  
Nuclear Power Plant



18" Epoxy coated inside  
 12" Epoxy coated inside & out



Screen - 110' - 150'  
 13' can - 150' - 163'

LAYNE Central DIVISION

LW-177 7/90

STARTED WELL January 8 19 96 AND COMPLETED January 18 19 96 CONTRACT NO 45.5748  
 TOTAL DEPTH 163' ELEVATION \_\_\_\_\_ STATIC WATER LEVEL 91'  
 ALL MEASUREMENTS TAKEN FROM (GROUND) (TOP OF FOUNDATION) (TOP OF CASING) (TOP BASE PLATE)  
 SURFACE CASING: SIZE n/a LENGTH n/a THICKNESS n/a T&C WELDED  
 CEMENTED WITH n/a SACKS CEMENT n/a OR PACKER TYPE n/a  
 WELL CASING: SIZE 18" LENGTH 103' WEIGHT n/a T&C WELDED  
 CEMENTED WITH 70 SACKS CEMENT portland OR PACKER TYPE n/a  
 INNER CASING SIZE 12" LENGTH 110' TYPE MATERIAL steel T&C WELDED  
 WITH Loop x guides (GUIDES LOCATED) 20' & 100' TYPE BACKOFF n/a  
 SIZE SEAL n/a BACKPRESSURE VALVE n/a SIZE n/a LENGTH GUIDE n/a  
 WELL STRAINER: MAKE Houstan TYPE s.s. SIZE 12" LENGTH 40' OPENING 0.025  
 TYPE MATERIAL s.s. wire wrap WITH welded CONNECTIONS \_\_\_\_\_  
 SIZE HOLE DRILLED FOR SURFACE CASING n/a WITH n/a BIT  
 SIZE HOLE DRILLED FOR WELL CASING 26" WITH reverse roller BIT  
 SIZE HOLE DRILLED FOR STRAINER 26" WITH reverse roller REAMER  
 YARDS OF GRAVEL USED 12 HOW PLACED poured TYPE 10-20  
 HOW WAS WELL DEVELOPED test pump SAND? no CLEAR? yes  
 FOUNDATION INSTALLED YES DEPTH FEELING RODS 18' TOP OF WELL ground level  
 NOTES: Plate on bottom of can  
 RIG USED Reverse flow SUPT. A.K. Collins DRILLER Clinton Dunn

DRILLED FOR Entergy  
 ADDRESS Grand Gulf Nuclear Plant DATE 1-18-96  
 OF SEC. \_\_\_\_\_ TS \_\_\_\_\_ R \_\_\_\_\_ COUNTY Claiborne

TOTAL DEPTH	EACH STRATUM	FORMATION	TOTAL DEPTH	EACH STRATUM	FORMATION
0-90	90	Brown clay			
90-95	5	Yellow clay			
95-155	60	Sand & gravel			
155-163	8	Blue clay			

DRILLING TIME \_\_\_\_\_ HR.  
 DAYS ON JOB 6  
 SIZE TEST HOLE 26"  
 TYPE BIT USED reverse roller

CLINTON DUNN  
 DRILLER  
A.K. COLLINS  
 FIELD SUPT.



DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USGS #: F0066 HEALTH DEPT. #: 0110011-04 OLWR #: GW-15026

OWNER: System Energy Res. COUNTY: Clatsop

LOCATION: IR IR Sec 12 2E

QUAD: Grand Gulf ELEV: \_\_\_\_\_

GPS FIELD LOCATION: LAT: 32.01145 LONG: 91.05406

LOCATION DESCRIPTION: New well

CASING DIAMETER: 18 PUMP TYPE AND H.P.: Turbo

USER NAME(S) RLB/PCP DATE: Feb 18 2005 PICTURE #: \_\_\_\_\_

REMARKS: Tagged

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR  
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Richard Ingram DATE: 6-10-98  
UNIT DEQ #: OPC/GWPB FILE #: \_\_\_\_\_  
HEALTH DEPT. #: 0110011-01 ELEV. ≈ 145  
USGS #: F66 OLWR #: GW15026  
OWNER: System Energy Resources, Inc. QUAD: Grand Gulf  
LOCATION: NW 1/4 1/4 S 12 T 13 N R 2 E COUNTY: Clairborne  
LOCATION DESCRIPTION: beside water tower

CASING DIA: \_\_\_\_\_ PUMP TYPE & SIZE: \_\_\_\_\_

GPS FIELD LOCATION: LAT. 32.011572 LONG. 91.053886

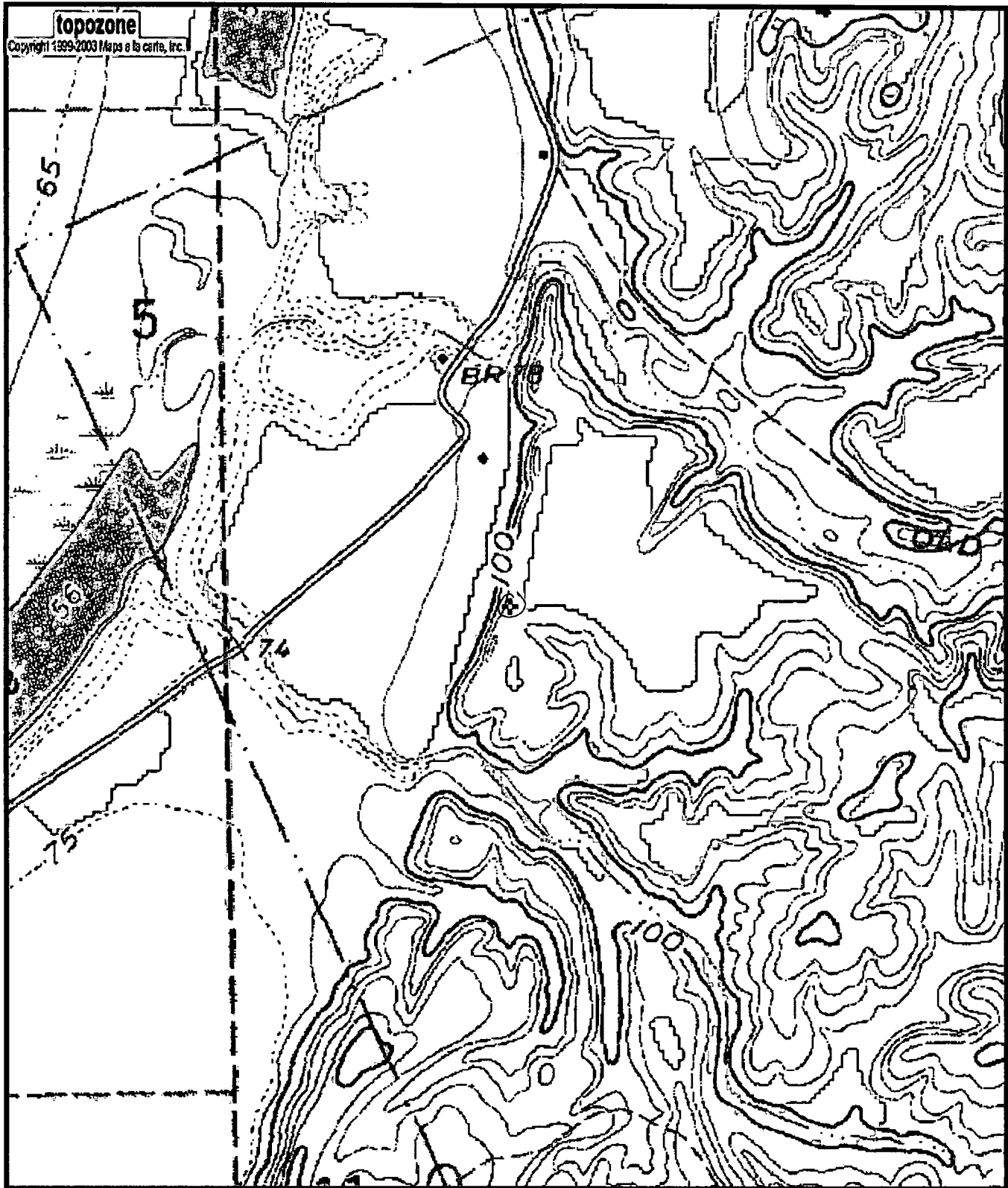
\* GPS CORRECTED LOCATION: LAT. 32°00'41.66" LONG. 91°03'13.99"

REMARKS: Grand Gulf Nuclear Power Station

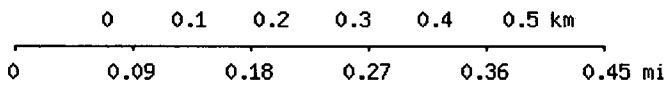
NOTE: position taken ≈ 10' e/o well due to locked fence

well # verified by employee at site

\* real-time, corrected and averaged data collected



0110011-04  
 6W15026  
 F66



Map center is 32° 00' 41"N, 91° 03' 15"W (WGS84/NAD83)

**Grand Gulf** quadrangle

Projection is UTM Zone 15 NAD83 Datum



M=1.068  
 G=1.032