



MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

WELL SCHEDULE

FIPS: 21

WELL: F64

LOG NO.: _____

Recorded by: P Phillips Data Source: Permit Driller's log Date: 12/29/04

County: Claiborne Permit No.: Gw14989 DOH No.: 0110011-03

Quad: Grand Gulf Elevation: 140

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? R. Ingram 6/16/98 From Quad? _____

Primary aquifer: MOCN Secondary aquifer: _____

Use: IN Well status: _____ Local well name: _____

Owner: System Energy Resources, Inc

Date completed: 8/1/95 Driller: Layne Central Well depth: 163 Hole Depth: 163

Pump type: T Power type: E Pump capacity: 564 HP: 50

Casing interval: 0-102 Casing length: 102' Casing diameter: 18" Casing type: Steel

Casing interval: 0-122 Casing length: 122' Casing diameter: 12" Casing type: Steel

Screen interval: 122-162 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: 90 Date: 8/1/95 M.P. description: _____

Water Quality Data? _____ Source: _____ Reliability: _____

Water Level Data? _____ Source: _____ Reliability: _____

Pump Test Data? _____ Source: _____ Reliability: _____

Water Use Data? _____ Source: _____ Reliability: _____

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

COUNTY WELL LOCATED Clayborne	WELL NUMBER 2	CODED	PERMIT NUMBER MS-6W-14989
F64	NAME OF DRILLING FIRM Layne-Central,		
DATE WELL COMPLETED August 1995	A Division of Layne, Inc.		

NAME & MAILING ADDRESS OF LANDOWNER
Entergy Operations, Inc.
P.O. Box 31995
JACKSON, MS 39286-1995

WELL LOCATION SEC TOWNSHIP RANGE
12 12 N 2 E

DISTANCE DIRECTION NEAREST TOWN

OTHER LANDMARK
North of MSGW-2967

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 Setting Depth
5 150 FT.

PUMP TEST
Well yielded **564** GPM with
a drawdown of **13** ft.
after **step test** hours of pumping

WELL DATA

Well Depth 162'	Casing Diameter (in.) 18"	Casing Length (ft.) 102'
Type of Casing Steel	Hole Depth 162'	Depth to Static Water Level 90'

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

WELL GROUTED TO A DEPTH OF **102** 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

GEOLOGIC DATA (Office Use Only)

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

SCREEN DATA

Diameter - inches 12"	Length - feet 40'	Slot Size - inches 30 slot
Screen Type S.S. wire wrap	Depth to Bottom - Feet 162'	

Driller's Remarks
12" lap extended to surface
10' Pump Can below Screen
Top of Lap Pipe or Reduction in Casing
N/A FEET IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Brown Clay	0'	90'			
Yellow Clay	90'	95'			
Sand & Gravel	95'	155'			
Blue Clay	155'	162'			

IF MORE SPACE IS NEEDED, USE BACK

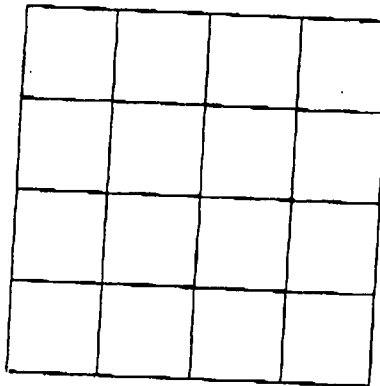
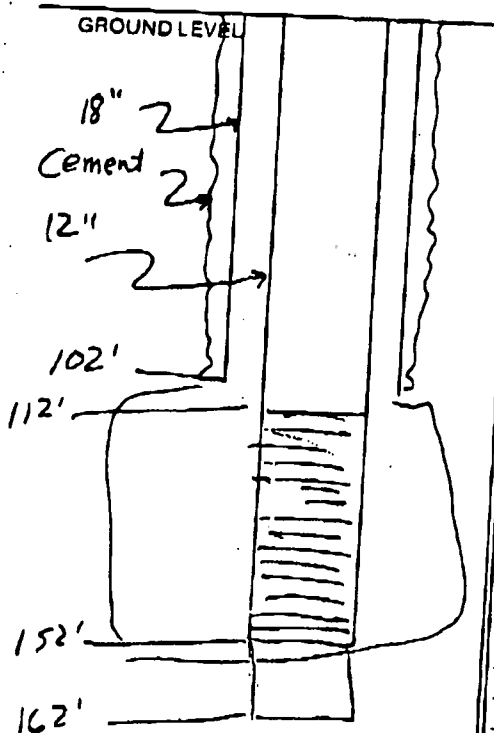
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LAYNE

PAGE 03/05

If well telescopes please sketch and show depths.



SECTION 12

Please indicate well location X.

ADDITIONAL INFORMATION

Bottom Casing 102'

Screen 112-152

Cap 152-162

Loop Extended to surface

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



FORMATION LOG

DRILLED FOR Entergy Operations

ADDRESS Grand Gulf Nuclear Power Plant, Port Gibson, Miss.

DATE 08/04/95

OF SEC. _____ TS _____ R. _____

COUNTY Claiborne

TOTAL DEPTH	EACH STRATUM	FORMATION	TOTAL DEPTH	EACH STRATUM	FORMATION
0-90	90	Brown Clay			Well Permit # MS-GW-14989
90-95	5	Yellow Clay			
95-155	60	Sand & Gravel			
155-162	7.	Blue Clay			

DRILLING TIME _____

HR. DAYS ON JOB 5

SIZE TEST HOLE 23"

TYPE BIT USED reverse flow roller

DRILLER Clinton Earl Dunn

FIELD SUPT A. K. Collins

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USGS #: F0064 HEALTH DEPT. #: 0110011-03 OLWR #: GW-14989

OWNER: System Energy Res COUNTY: CLAIBORNE

LOCATION: IR IR Sec 12 12 N 2 E

QUAD: Grand Gulf ELEV: _____

GPS FIELD LOCATION: LAT: 32.01172 LONG: 91.05406

LOCATION DESCRIPTION: Furthest well north

CASING DIAMETER: 18" PUMP TYPE AND H.P.: Turb.

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: 6-16-98
UNIT DEQ #: OPC/GWPPB FILE #: _____
HEALTH DEPT. #: 0110011-03 ELEV. 1150?
USGS #: F6A OLWR #: GW14989
OWNER: System Energy Resources, Inc. QUAD: Grand Gulf
LOCATION: NW 1RR 1RR S 12 T 12N R 2E COUNTY: Clatsop
LOCATION DESCRIPTION: beside water tower

CASING DIA: _____ PUMP TYPE & SIZE: _____

GPS FIELD LOCATION: LAT. 32.011414 LONG. 91.053964

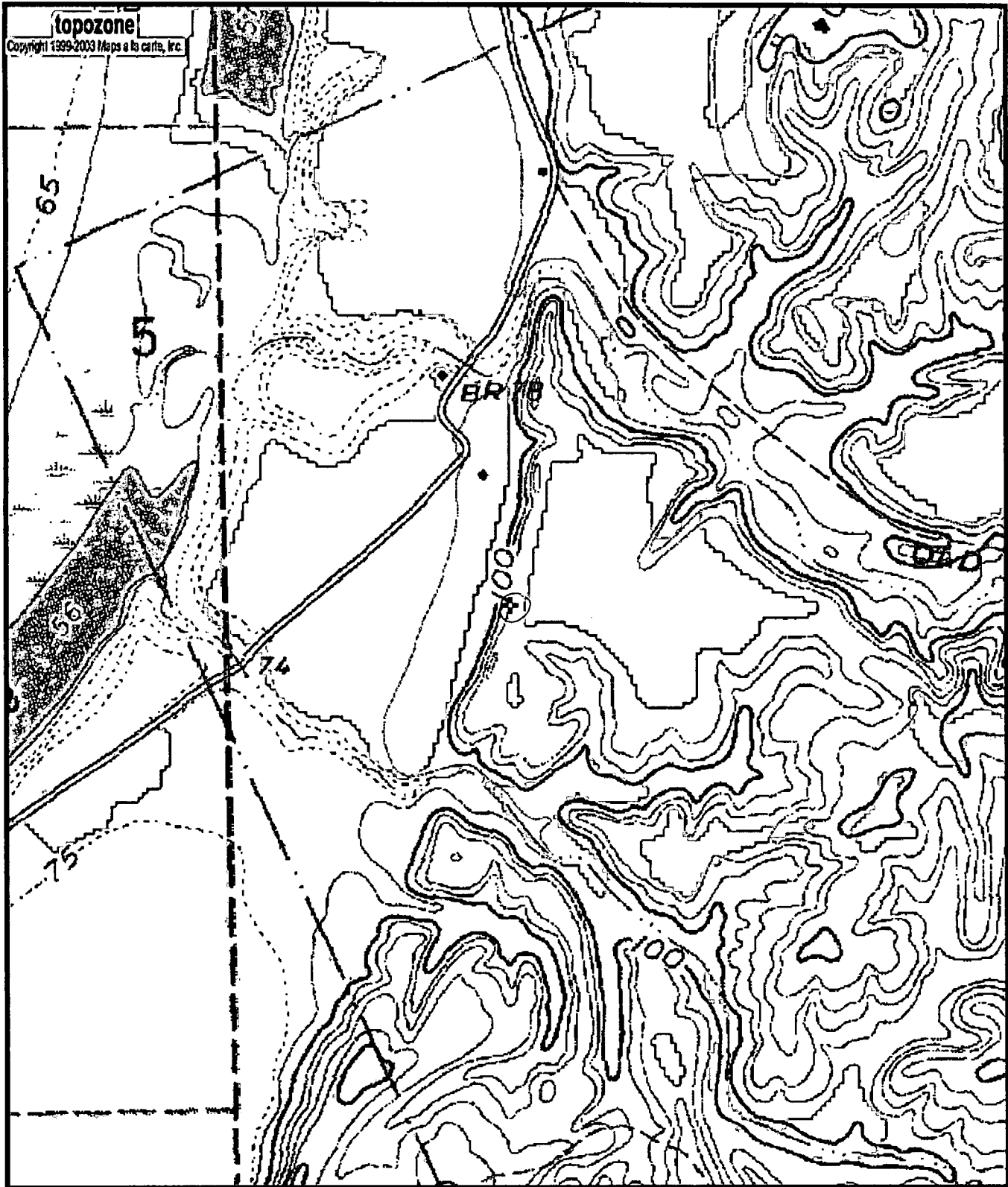
*GPS CORRECTED LOCATION: LAT. 32°00'41.09" LONG. 91°03'14.27"

REMARKS: Grand Gulf Nuclear Power Station

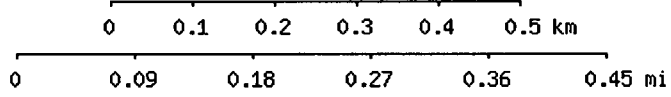
NOTE: position taken \approx 10' e/ of well due to locked fence

Well # verified by employee at site

* real-time, corrected and averaged data collected

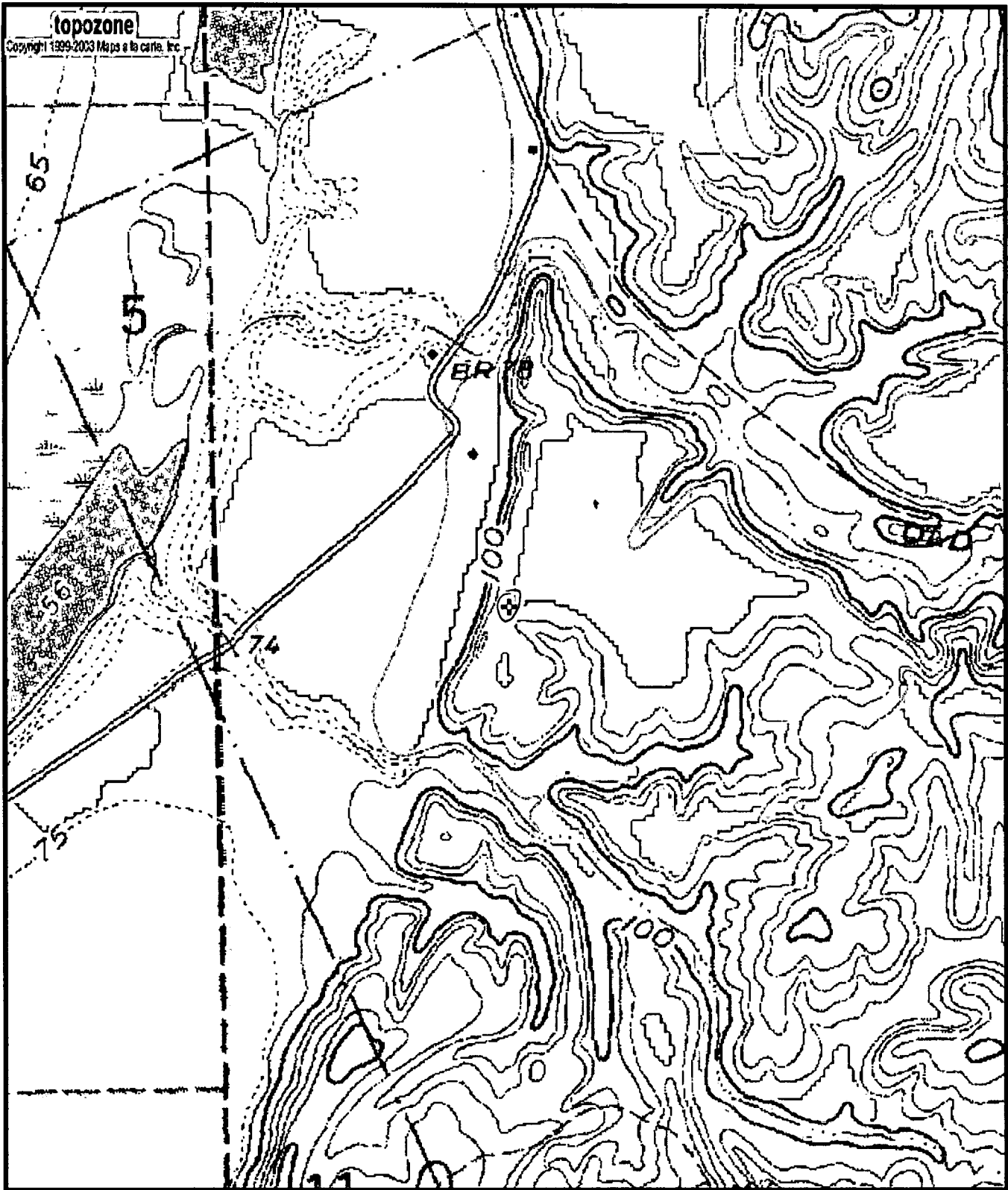


0110011-03
G614989
F64



Map center is 32° 00' 42"N, 91° 03' 15"W (WGS84/NAD83)
Grand Gulf quadrangle
Projection is UTM Zone 15 NAD83 Datum

M=1.068
G=1.032



0 0.1 0.2 0.3 0.4 0.5 km
 0 0.09 0.18 0.27 0.36 0.45 mi

Map center is 32° 00' 41"N, 91° 03' 14"W (WGS84/NAD83)

Grand Gulf quadrangle

Projection is UTM Zone 15 NAD83 Datum

M=1.071
 G=1.032