

GW 2095

TRANSMITTED FOR ADP

Tie Plant measured 1/17/85
7/85

181 WFO

0220039-03

Recorded by WFO

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT
WELL RECORD

Well No. H137
E-Log No. 121
County Grenada

Site ID 334104089455201 R=0* T=A* 2=W*

GEN. SITE DATA

Data reliab. 3=C*^CU Report. agency 4=USGS* Dist. 6=28* 7=28* Co. 8=043*

Lat. Long./ 9=334104* 10=0894552* Well No. 12=H137*

Location 13=SE NW S15 T21 N R05E* Alt. 16=240*

GEN. DATA

Hyd. Unit (OWDC) 20= Date 21=1210311984*

Well use 23=W* Water use 24=P* Hole depth 27=607* Well depth 28=498*

WL 30=59* Date 31=1211811985* Source 33=D*

Status 273= Project No. 5=

OWNER

R=158* T=A* Date 159# 1211811985* Owner No.

Owner 161# GRENADA CO. W. A.

Grenada County Water-Sewer District

FIELD OW

R=192* T=A* Date 193# Temp. 196#00010* 197=

R=192* T=A* Date 193# Cond. 196#00095* 197=

R=192* T=A* Date 193# pH 196#00400* 197=

CONSTR.

R=58* T=A* 59# 1* Date 60=1211811985* Remarks

Drlg. 63=0.64* Name Jayne Cleveland Method 65=H* Finish 66=G*

CASING

R=76* T=A* 59# 1* Top csng. 77# 0* Bot. csng. 78=474* Diam. 79# 10*

R=76* T=A* 59# 1* Top csng. 77# Bot. csng. 78= Diam. 79#

OPENINGS

R=82* T=A* 59# 1* Top 83# 474* Bottom 84=498*

Type 85=S* Diam. 87=6* Size 88=

R=82* T=A* 59# 1* Top 83# Bottom 84=

Type 85= Diam. 87= Size 88=

YIELD

R=146* T=A* 147# 1* Q 150=150* Q/S 272=

134 flows 146 pumped

LIFT

R=42* T= A * Lift type 43# T* Intake 44= * Power type 45= E*

Date 38= 12/18/1985* H.P. 46= 25.*

LOGS

R=198* T= A * Log 199# E* Top 200= 42.* Bot 201= 60.7.*

R=198* T= A * Log 199# D* Top 200= 0.* Bot 201= 60.4.*

R=189* T= A * E Log No. 190# 21* 191= M I S S D I S T *

ANAL.

R=114* T= A * Year 115# * 117= * 120= *

AQUIFERS

R=90* T= A * 256# 1 * Top 91= 470.* Bot 92= 500.*

Unit ID 93= 124 W L C X M * Name of Unit

R=90* T= A * 256# 1 * Top 91= * Bot 92= *

Unit ID 93= * Name of Unit

HYDRAULICS

R=98* T= A * 99# 1 * Unit tested 100= * 103= *

R=105* T= A * 99# 1 * Test No. 106# *

107= * Transmissivity (gal/d)/ft

108= * Hydraul. cond. (gal/d)/ft²

110= * Storage coeff. Boundaries

R=121* T= * Yr Begin 122# * Network 258# *

Water Level Data Collection (1)

description of formations encountered	from	to
red clay	0	19
sand	19	30
clay	30	38
sand	38	61
clay	61	67
sandy shale	67	95
sand/shale streaks	95	115
sand	115	156
hard clay	150	161
sand	161	180
sandy clay	180	198
clay	198	251
sandy shale	251	301
clay	301	470
sand	470	497
clay	497	604

Water Well Field Data Form

Tie Plant Quad.

Well No. H137 County Grenada

Date 5-17 1994 Party SHB+PEG

Owner: Grenada Co W.S.

Elevation 290 GPS File No. A051716A

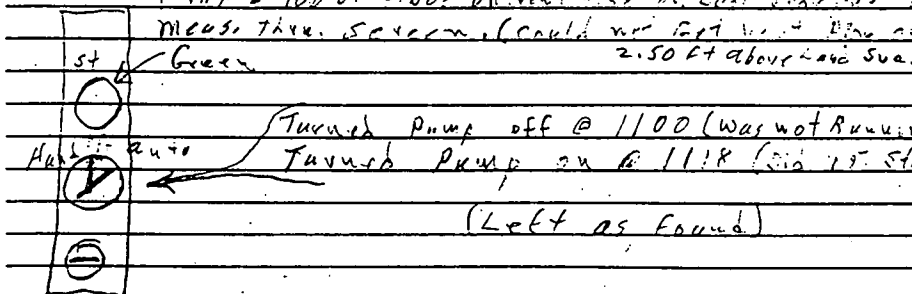
Health Department Tag No. 220039-03

Previous Water Level 59 Date 9-85

tape down no.	1	2	3 Re-check	4	5
time <small>Prm - Whts off</small>	1105	1110	1112	1117	1130
held	*106.00	108.00	100.00	101.00	100.00
wet	7.24	15.72	8.57	10.23	11.39
difference	92.76	92.28	91.43	90.77	88.63
MP correction	2.50	2.50	2.50	2.50	2.50
water level	90.26	89.78	88.93	88.27	86.13
WL corr. to MSL					

Note: Provide sketch of location and/or Measuring Point on back if necessary.

* MP = Top of Elbar on vent pipe on East side of well.
 Meas. thru screen. (could not get vent pipe off)
 2.50 ft above base of well.



Lat 33° 41.063

Long 89° 45.890

GPS # 82554

Grenada
 CL-2871 H137
 12/18/85

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES
 Bureau of Land and Water Resources
 Southport Mall
 P.O. Box 10631
 Jackson, Mississippi 39209
 WATER WELL DRILLERS LOG

02095

CODED

12/18 19 85 LAYNE-CENTRAL CO. GRENADA
 date well completed firm name county well located

LANDOWNER:	description of formations encountered	from	to
GRENADA COUNTY WATER & SEWER	red clay	0	19
GRENADA, MS	sand	19	30
(mailing address)	clay	30	38
WELL LOCATION:	sand	38	61
sec. 15 T 21 N R 5 E	clay	61	67
1-1/2 miles W of Elliott	sandy shale	67	95
(distance) (direction) (nearest town)	sand/shale streaks	95	115
WELL PURPOSE: municipal	sand	115	156
(home, irrigation, municipal, industrial)	hard clay	150	161
WELL COMPLETION DATA:	sand	161	180
(1) diameter (inches) 21"	sandy clay	180	198
(2) total depth (feet) 503' 6"	clay	198	251
(3) static water level (feet) 59' below top of ground.	sandy shale	251	301
(4) casing steel 474' (material) (depth)	clay	301	470
10" (size) if telescope see back.	sand	470	497
(5) screen 24' 474' (length) (depth to top)	clay	497	604
6" (size) st. steel (material)			
(6) pump 25 150 (HP) (yield gpm)			
elec. (type power)			
(7) electric log yes (yes or no)			
M.S.G.S. (organization running log)			
(8) how well bottom plugged 6" BP Valve			
DRILLERS REMARKS:			

RECEIVED
 JUL 9 - 1985

Department of Natural Resources
 Bureau of Land & Water Resources

same as MS-GW-02095
already permitted.

Well No. 3 Elliott
Permit No. _____

FORM: BLW-NC-1

RETURN COMPLETED FORM TO:
Bureau of Land and Water Resources
P.O. Box 10631
Jackson, Mississippi 39208
Telephone (601) 961-6200

J-C
11/4/81

For Office Use Only:	
County:	_____
Date Received:	_____
Permit No:	GW-5581
Quad Map:	_____
Water Management Dist:	_____
Hydrologic River Basin:	_____

NOTICE OF CLAIM FOR CONTINUED USE OF SURFACE/GROUND-WATERS FOR BENEFICIAL USE

Pursuant to the laws of the State of Mississippi, namely §51-3-5 (2) or (3), as amended, I, the landowner, _____

_____ Grenada County Water and Sewer _____ 64-6000405
(Name) (S/S or Tax ID No.)
1241 South Mound Street Grenada Miss. 38901
(Address) (City or Town) (State and Zip)
(601) 226-3701 do hereby file claim for the continued use of: (circle one)
(Telephone Number)

surface water ground water for the following beneficial use: (circle one or more)
 municipal; irrigation; recreation; livestock water; fish culture; industrial;

Other _____
(Specify)

1. Name & Address of agent or applicant if different from landowner.

(Name) (S/S or Tax ID No.) (Address)

(City or Town) (State and Zip) (Telephone Number)

2. Location of point of diversion/withdrawal (include location map with claim)

SW ¼ of NW ¼ of Section 15, Township 21N, Range 5E, County Grenada

3. Volume of water diverted/withdrawn:

(1) _____ acre feet per year, diverted/withdrawn at a maximum rate of _____ gallons per minute; or

(2) .0574 million gallons per day, diverted/withdrawn at a maximum rate of 172 gallons per minute.

4. Description of lands on which water will be used:

(a) Copy legal description of property upon which water is to be used (may be copied word for word from your deed).

Attach separate sheet if necessary Certificated area of Grenada County Water and Sewer

(b). Has the above described land any water right or source of water supply other than that herein applied for?

(Water Rights Number(s) _____) Describe the nature and amount of any additional supply _____

SECTION A (to be completed if source of water is from surface supply)

1. Prior water rights permit/license number _____, dated _____

2. Source of supply is _____ which drains into _____

_____ which drains into _____

3. Description of diversion works:

(a) Water obtained directly from stream: _____
(Name)

Pump _____ Power Unit _____
(Size and type) (Size and type)

Lift _____ ft. Maximum capacity _____ gpm

(b) Storage reservoir _____
(Name)

Height of dam _____ feet. Surface area at normal pool _____ acres

Storage capacity at normal pool _____ acre feet

SECTION B (to be completed if source of water is from underground supply)

1. Source of supply: Minor Wilcox aquifer(s)
2. Description of water well:
- (a) Well data:
 (1) Date well completed Dec. 18, 1984
 (2) Depth drilled 611 feet
 (3) Type of completion Gravel Wall
 (4) Surface elevation 240 feet
- (b) Screen data:
 (1) Depth to bottom 503-6 feet
 (2) Length 24 feet
 (3) Diameter 6 inches
 (4) Type Stainless Steel Wire Wrapped
 (5) Slot .014 inches
- (c) Casing data:
 (1) Length(s) 474 feet; Diameter(s) 10 inches
 (2) Type Standard weight steel T & C
- (d) Pump data:
 (1) Type & Size Turbine 25 HP (2) Capacity 172 gpm
 (3) No. stages 14 (4) Setting depth 276 feet
 Well Driller Layne Central Company, Cleveland, Miss.
 (Name of Company)

WATER USE DATA

1. IRRIGATION use: (a) Show number of acres to be irrigated by 40-acre blocks:

TOWN-SHIP	RANGE	SEC.	NE¼				NW¼				SW¼				SE¼				TOTALS
			NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	NE¼	NW¼	SW¼	SE¼	

- (b) List the acres to be irrigated: Rice _____; Cotton _____; Corn _____; Pasture _____; Truck _____; Other crops (_____) _____ acres.
2. If for MUNICIPAL use: (a) Present population 1206 (area served by 3 wells) (based on 19 80 Census)
 (b) Estimated average daily consumption during periods of maximum use at the end of each five-year period in next twenty years:
.0614 19 91 ; .0654 19 96 ; .0694 ~~19~~ 2001 ; .0734 ~~19~~ 2006
3. If for INDUSTRIAL use: (a) If water is to be released into a watercourse, indicate: Amount released each year _____; rate of release _____; location of release point in reference to diversion point _____ (show location on map)
 (b) Explain any change in quality of water to be released: _____
4. If for RECREATIONAL use: Explain how water will be used _____
5. If for FISH CULTURE use: (a) Explain in detail how water will be used _____
 (b) Number of times reservoir will be emptied and filled annually: _____
6. If for ANY OTHER use: (a) Explain in detail _____

REMARKS _____

List below the name and address of person to be contacted for additional information, if required.

The accompanying map is hereby declared a part of this application.

Doyle Nail
 (Name)
1241 South Mound Street
 (Address)
Grenada, Miss. 38901

Doyle Nail
 (Signature)

Subscribed and sworn to before me this 16TH day of October 19 86, at Grenada

County of Grenada, Mississippi. My commission expires November 7, 1988

Jill W. Vaughn Notary Public

DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR
PUBLIC SUPPLY WELLS PROJECT

GPS LOG

USER NAME(S): Hardin/Phillips DATE: 10/22/97
UNIT DEQ #: _____ FILE #: B1022200
HEALTH DEPT. #: 220039-03 ELEV. 229 240 ✓
USGS #: H137 OLWR #: Gw02095
OWNER: Grenada Water/Sewer QUAD: Tie Plant
LOCATION: SE/NW S 15 T 21 N R 5 E COUNTY: Grenada
LOCATION DESCRIPTION: On north side Bolton Rd
mi from Hwy 51
CASING DIA: _____ PUMP TYPE & SIZE: Turbine
GPS FIELD LOCATION: LAT. 33°41'02.9"N LONG. 89°45'53.7"W
GPS CORRECTED LOCATION: LAT. 33.684119 LONG. 89.765087
REMARKS: Measured 60' south of well

WILCOX DATA SHEET-VERIFICATION CHECKLIST

COUNTY GRENADA

Tic Plant Quad
U.S.G.S. E-log # 121.

WELL OWNER Grenada Co. W.A.

CHECKED

U.S.G.S. NO. H-137

9/21/94

B.O.H. NO. 220039-03

9/21/94

OLWR NO. _____

LOCATION:

MAP SW, SW, SE, NW S15, T21N, R5E

9/21/94

GPS _____

ELEV. (MSL) 240'

9/21/94

W.L. (L.S.) (1) - 87.01' ✓

3/15/95

(2) - 86.88'

3/15/95

HEAD (MSL) + 152.99'

3/15/95

SCREENED INTERVAL 474' - 498' (LS) / - 234' - - 258' (MSL)

9/21/94

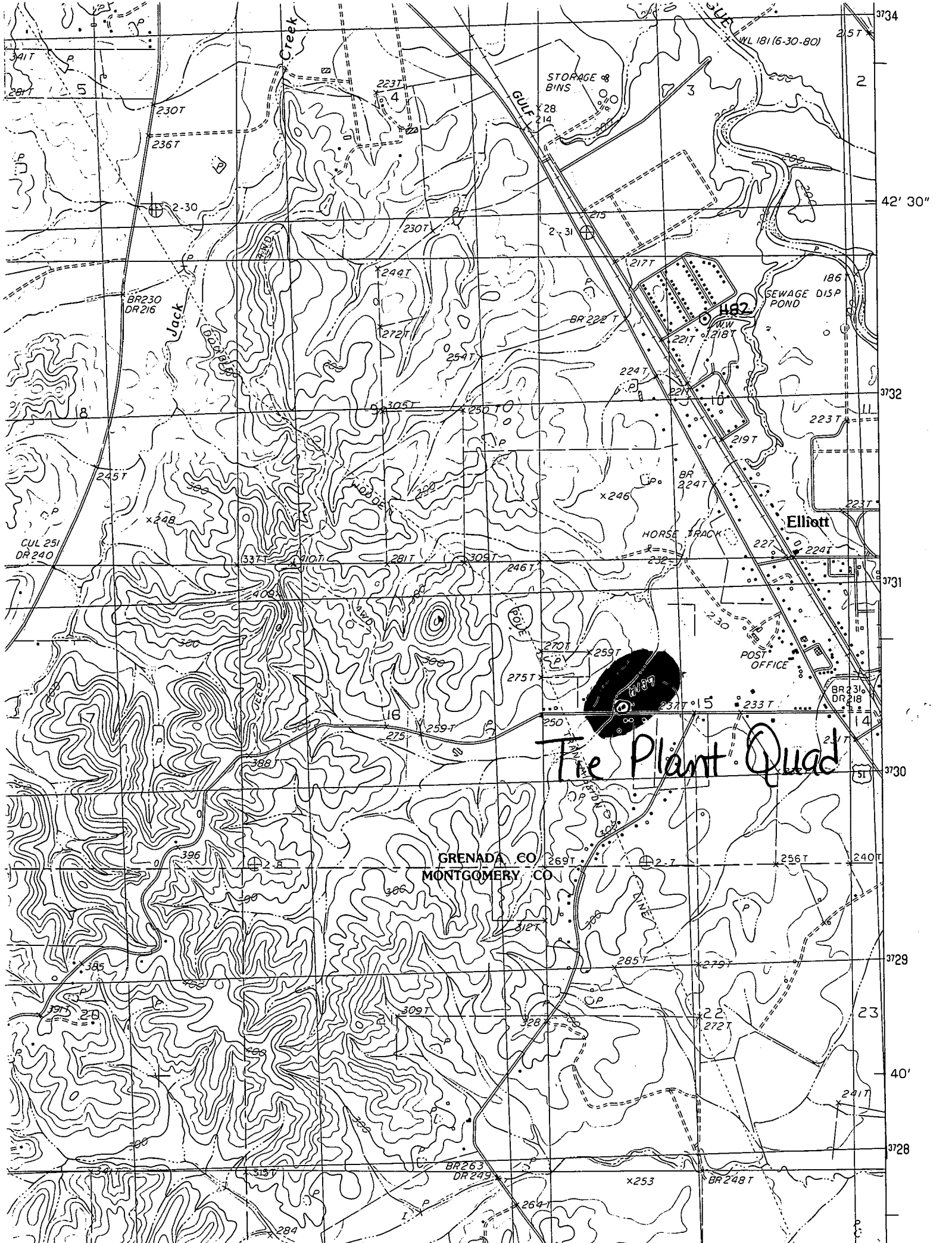
AQUIFER VERIFIED Middle Wilcox

9/21/94

PREVIOUS W.L. - 59' (1995)

9/21/94

DATA ENTERED _____



Fire Plant Quad

GRENADA CO
MONTGOMERY CO

3734
42' 30"
3732
3731
3730
3729
40'
3728