

Coded By 0390
Checked By 12-7-31-91
Entered By LSG
Date 07-11-91

U.S. GEOLOGICAL SURVEY
WATER RESOURCES DIVISION
MISSISSIPPI DISTRICT

E-Log No. 87
County PANOLA
Agency

Well No. R90

WELL RECORD

Agency Code: U S G S Site Id: 134191508956111011 Project No.: 5

Station Name: 12 RIORIO BATESVILLE Latitude: 9 341915 Longitude: 10 08956111

Lat/Long Ac.: 11 SF T M Dist: 6=28 State: 7=28 County: 8 1071 Land Net: 13 SWNE1S1091T1091S1R1071W

Location Map: 14 BATESVILLE Altitude: 16 215 Met/Meas: 17 A L M Accuracy: 18 15 Hydrologic Unit: 20 08103102011

Agency Use: 803 A I O Date Inventoried: 711 Station Type: Y Data Type: 804

Instru.: 805 Remarks: 806 Relia.: 3 C L M U 2 W X

Date of Construction: 21 02/11/4/119901 Well Use: 23 W Water Use: 24 P Primary Aquifer: 714 124 W L C X L Hole Depth: 27 1200

Well Depth: 28 1079 Water Level: 30 156 Water Level Date: 31 03/07/119901 Method: 34 Status: 37 Source: 33 D

CONSTRUCTION DATA

Construction Date: 60 03/07/119901 Contractor: 63 06 H Name: Layne Method: 65 H Finish: 66 G

CONSTRUCTION CASING DATA

Top/Casing	Bot/Casing	Diameter
<u>R=76 T=A 725#1 59#1 77 1101</u>	<u>78 1027</u>	<u>79 116</u>
<u>R=76 T=A 725#2 59#1 77 956</u>	<u>78 1029</u>	<u>79 119</u>

CONSTRUCTION OPENINGS DATA

Top/Depth	Bot/Depth	Diameter	Type	Length	Width
<u>R=82 T=A 726#1 59#1 83 1029</u>	<u>84 1079</u>	<u>87 110</u>	<u>85 S</u>	<u>89</u>	<u>88 1025</u>
<u>R=82 T=A 726#2 59#1 83</u>	<u>84</u>	<u>87</u>	<u>85</u>	<u>89</u>	<u>88</u>

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type: 43 T Date: 38 03/07/119901 Intake: 44 1345

Power: 45 E H.P.: 46 150 Serial No.: 49

MISCELLANEOUS OWNER DATA

Date of Ownership: 159 03/07/119901 Owner Name: 161 BATESVILLE

MISCELLANEOUS OTHER ID DATA

E-Log No.: 190 0871 Assigner: 191 M I S S I D I S T

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement 1934 / / *	Aquifer Sampled 195 *	Temp 196#00010	Value 197
R=192	T=A	738#2	Date of Measurement 1934 / / *	Aquifer Sampled 195 *	Sp Cond 196#00095	Value 197
R=192	T=A	738#3	Date of Measurement 1934 / / *	Aquifer Sampled 195 *	pH 196#00400	Value 197

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type 199#E *	Beg. Depth 200 201 *	End Depth 201 201 *
R=198	T=A	739#2	Log Type 199#N *	Beg. Depth 200 01 *	End Depth 201 198 *

MISCELLANEOUS NETWORK DATA

R=114	T=A	730#1	Beg. Year 115 4 9 *	End Year 116 4 9 *	Agency Source 120=A 117# *	Freq. 118 *
R=121	T=A	730#2	Beg. Year 115 4 9 *	End Year 116 4 9 *	Agency Source 117# *	Freq. 118 *

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184 / / *	Remarks 185 *
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DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 148 03 / 10 7 / 11 9 9 0 *	Type 703#P	Discharge 150 110000 *	So. Capacity 272 16 45 *
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91 1030 *	Depth Bot. 92 10810 *	Unit Id 93 24 11 10 11 4 *	304=P
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100 *	103 *
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behind school off Hwy 51

154' dd @ 1000gpm

0-12	12	CLAY
12-30	38	SAND & GRAVEL
30-124	94	SAND
124-187	63	CLAY
187-207	20	SANDY SHALE
207-240	33	SAND
240-364	124	SANDY SHALE
364-515	151	SAND
515-558	43	CLAY & STKS. OF SAND
558-610	52	CLAY
610-667	57	SANDY CLAY
667-692	25	SAND
692-780	88	SANDY CLAY
780-806	26	CLAY
806-863	57	CLAY & SAND STKS. LIGHT
863-864	1	ROCK
864-890	26	CLAY
890-1028	138	CLAY & SAND STKS.
1028-1079	51	SAND
1079-1198	119	CLAY WITH SAND STKS.

22-4409
 COUNTY WELL LOCATED
 PANOLA
 WELL NUMBER
 AR 910
 DATE WELL COMPLETED
 3-7-90

MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES
 Bureau of Land and Water Resources

P.O. Box 10631
 Jackson, Mississippi 39209
 WATER WELL DRILLERS LOG

PERMIT NUMBER
 NAME OF DRILLING FIRM
 Layne-Central Co.
 Cleveland, MS

NAME & MAILING ADDRESS OF LANDOWNER
 City of Batesville
 Batesville, MS
 WELL LOCATION: SEC 9 TOWNSHIP 8 N RANGE 7 E
 34 8 S 7 W
 DISTANCE DIRECTION NEAREST TOWN
 Miles 1/4 in Batesville
 OTHER LANDMARK
 Behind School off Hwy. 51 No.
 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 150
 Pump Capacity (GPM) No. of Stages Setting Depth
 1000 7 345 FT.
 PUMP TEST
 Well yielded 1000 GPM with
 a drawdown of 154 ft.
 after 24 hours of pumping

WELL DATA
 Well Depth 1084' Casing Diameter (In.) 16 Casing Length (Ft.) 1027
 Type of Casing Steel Hole Depth 1198' Depth to Static Water Level 156'
 TYPE OF COMPLETION: (Circle One or More):
 Gravel Packed, Underreamed, Telescoped,
 Natural Development, Open Hole, Other
 (Describe)
 Top of Lap Pipe or Reduction in Casing
 956 FEET IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

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 Geophysical

SCREEN DATA
 Diameter - Inches 10 Length - Feet 50 Slot Size - Inches .025
 Screen Type ST. Steel Depth to Bottom - Feet 4' 10"

GEOLOGIC DATA (Office Use Only)
 Surface Elev. Geologic Unit Unit Thickness Depth to Top
 Subs. SWL Date Analysis Aquifer Test

Driller's Remarks
 1019 10/4 1/2

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TC	FORMATIONS (Continued)	FROM	TO
attached					

RECEIVED

APR 05 1991

Dept. of Environmental Quality
 Bureau of Land and Water Resources

DRILLED FOR CITY OF BATESVILLE

ADDRESS BATESVILLE, MS

OF SEC. 34 TS 8S R 7W

TOTAL DEPTH	EACH STRATUM	FORMATION	TOTAL DEPTH	EACH STRATUM
0-12	12	CLAY		
12-30	38	SAND & GRAVEL		
30-124	94	SAND		
124-187	63	CLAY		
187-207	20	SANDY SHALE		
207-240	33	SAND		
240-364	124	SANDY SHALE		
364-515	151	SAND		
515-558	43	CLAY & STKS. OF SAND		
558-610	52	CLAY		
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667-692	25	SAND		
692-780	88	SANDY CLAY		
780-806	26	CLAY		
806-863	57	CLAY & SAND STKS. LIGNITE		
863-864	1	ROCK		
864-890	26	CLAY		
890-1028	138	CLAY & SAND STKS.		
1028-1079	51	SAND		
1079-1198	119	CLAY WITH SAND STKS.		

WILCOX DATA SHEET-VERIFICATION CHECKLIST

COUNTY PANOLA

Batesville Quad
U.S.G.S. E-log # 87

WELL OWNER Batesville (behind school of U.S. 51) CHECKED
U.S.G.S. NO. R-90 3/23/95
B.O.H. NO 540002 - 05 3/23/95
OLWR NO. _____

LOCATION:

MAP NE SE SW NE S9 T9S R7W 3/23/95
GPS / _____

ELEV. (MSL) 270' 3/23/95
W.L. (L.S.) (1) - 171.95' 3/23/95
(2) ✓ - 172.08' ✓ 3/23/95

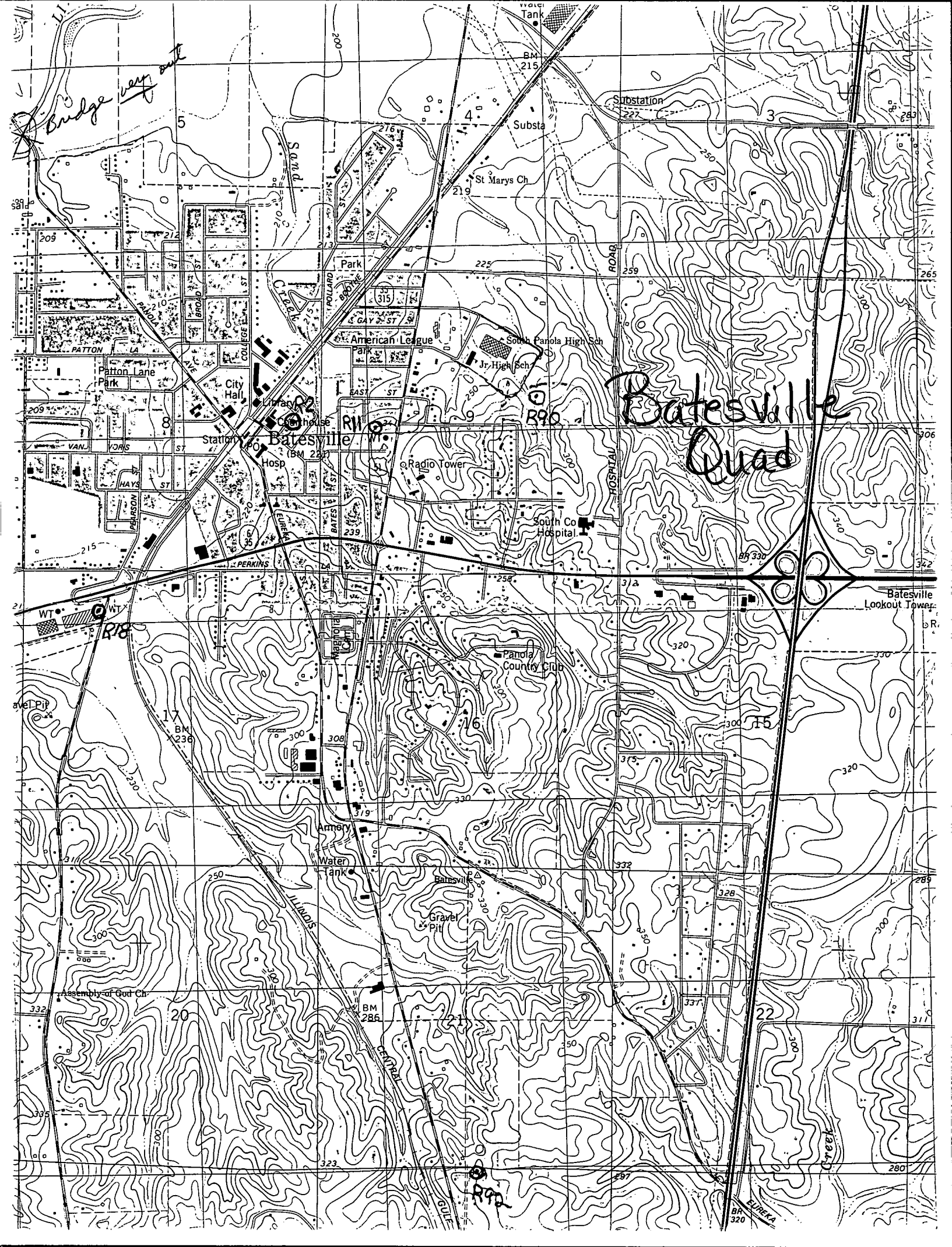
HEAD (MSL) + 97.92' 3/23/95

SCREENED INTERVAL 1,029' - 1,079' (LS) | - 759' - - 809' (MSL) 3/23/95

AQUIFER VERIFIED Lower Wilcox 3/23/95

PREVIOUS W.L. - 156' (1990) 3/23/95

DATA ENTERED _____



Bridge way out

Batesville Quad

R98

R96

R99

Assembly of God Ch

Batesville Lookout Tower

BUNEKA
BR 320