

Coded By Q 2/98  
 Checked By SPY 03-31-99  
 Entered By AK  
 Date 3/99

U.S. GEOLOGICAL SURVEY  
 WATER RESOURCES DIVISION  
 MISSISSIPPI DISTRICT

E-Log No. 415  
 County Madison  
 Agency

Well No. S 31  
 Charlton  
 Quad

WELL RECORD

Agency Code U S G S Site Id 1323228091012341011 Project No. 5

Station Name 12 SIOBRI BEAR CREEK W IA Latitude 9323248 Longitude 104091011234

Lat/Long Ac. 11 S F T M Dist 6-28 State 7-28 County SE NE Land Net.

Location Map 14 CHARLTON Altitude 375 Met/Meas 17 A L M Accuracy 18 1 5 Hydrologic Unit 20 081016102102

Agency Use 803 A I O Date Inventoried 7 11 / / Station Type 4 Data Type 804

Instru. 905 Remarks 806 Relia. 3 C L M U 2 W X

Date of Construction WA Well Use 23 W Water Use 24 P Primary Aquifer 714 124 SPRT 1 Hole Death 27 13231

Well Depth 28 1294 Water Level 30 Water Level Date 31 / / Method 34 Status 37 Source 33

CONSTRUCTION DATA

R=58 T=A 723#1 Construction Date 60 03 / 03 / 11998 Contractor 63 064 Name LAYNE Method 65 H Finish 66 G

CONSTRUCTION CASING DATA

R	T	Top/Casing	Bot/Casing	Diameter
R=76	T=A	725#1 59#1 77 101	78 1190	79 116
R=76	T=A	725#2 59#1 77 130	78 1204	79 110

CONSTRUCTION OPENINGS DATA

R	T	Top/Depth	Bot/Depth	Diameter	Type	Length	Width
R=82	T=A	726#1 59#1 83 1204	84 1294	87 110	85 S	89	88 1429
R=82	T=A	726#2 59#1 83	84	87	85	89	88

CONSTRUCTION LIFT DATA

R=42 T=A 254#1 Lift Type 43 Date 38 03 / 03 / 11998 Intake 44

Power 45 F H.P. 46 200 Serial No. 49

MISCELLANEOUS OWNER DATA

R=158 T=A 718#1 Date of Ownership 159 03 / 03 / 11998 Owner Name 161 BEAR CREEK W IA

MISCELLANEOUS OTHER ID DATA

R=189 T=A 736#1 E-Log No. 190 415 Assioner 191 M I S S 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#00Q10	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	Bea. Depth 200# / / 101 / /	End Depth 201# / / 13201 / /
R=198	T=A	739#1	Log Type 199#D	Bea. Depth 200# / / 101 / /	End Depth 201# / / 13231 / /

MISCELLANEOUS NETWORK DATA  $106 = QW$   $WL$   $WD$  \*

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

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks 184# 03 / 103 / 11998	Remarks 185# M3GW 15161
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DISCHARGE DATA

R=146	T=A	Pump/Flow 147#1	Date 148# 03 / 103 / 11998	Type 703# @ F	Discharge 150# / / 10101 / /	So. Capacity 272# / / 11845 / /
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91# / / 1145 / /	Depth Bot. 92# / / / / / /	Unit Id 93# / / 245 / / PRTI	154 = 293. * 155 = D *
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HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested 100# / / / / / / / / / /	103# / /
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OFF Hwy 463

R=234 \* T=A 235# 03/03/19  
243=L\* 237=293.\*  
239=R\*

FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Sandy Clay	0	15	Clay	800	925
Yellow & Blue Clay	15	31	Sandy Clay	925	970
Blue Clay	31	32	Find Sand & Clay	970	1029
Clay + Sand Streaks	32	355	Rock	1029	1031
	355	385	Shale	1031	1180
	385	400	Sand	1180	1287
Clay + Sand Streaks	400	520	Sand & Clay Streaks	1287	1307
Fine Sand & Shale	520	660	Clay	1307	1323
Sand. Clay Streaks	660	800			

**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  
**Madison**

WELL NUMBER **8** CODE **S3** ✓

DATE WELL COMPLETED  
**3/3/98**

PERMIT NUMBER  
**MS-GW-15161**

NAME OF DRILLING FIRM  
**Layne Central**

**Jackson, MS**

NAME & MAILING ADDRESS OF LANDOWNER

**Bear Creek Water Association**

**PO Box 107**

**Canton, MS 39046**

WELL LOCATION SEC **17** TOWNSHIP **8 N** RANGE **1 XW E**

DISTANCE **100'** DIRECTION **South** NEAREST TOWN **Hwy 463**

OTHER LANDMARK  
**7.2 Mi from I-55 at Hwy Patrol**

WATER USE (Agriculture, Municipal, Industrial, Fish Pond, etc)  
**Rural Water Association**

**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 **200**

Pump Capacity (GPM) **1000** No. of Stages **9** Setting Depth \_\_\_\_\_ FT.

PUMP TEST

Well yielded **1000** GPM with  
a drawdown of **54** ft.  
after **24** hours of pumping

**WELL DATA**

Well Depth <b>1294'</b>	Casing Diameter (In) <b>16"</b>	Casing Length (Ft) <b>1190'</b>
Type of Casing <b>Welded</b>	Hoie Depth <b>1294'</b>	Depth to Static Water Level <b>293'</b>

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

WELL GROUTED TO A DEPTH OF **1190** FEET  
Type Grout (circle one): **Cement**, Bentonite, or Mix

**LOG DATA**

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

Name of Organization Running Log  
**Layne-Central, Jackson, MS**

**SCREEN DATA**

Diameter - Inches <b>10"</b>	Length - Feet <b>90'</b>	Slot Size - Inches <b>20</b>
Screen Type <b>SS - Welded</b>	Depth to Bottom - Feet <b>1294</b>	

**GEOLOGIC DATA (Office Use Only)**

Surface Elev. <b>45</b>	Geologic Unit	Unit Thickness	Depth to Top
Subs. SWL	Date <b>FFB 01 1999</b>	Analysis	Aquifer Test

Driller's Remarks  
**Dept. of Environmental Quality  
Office of Land & Water Resources**

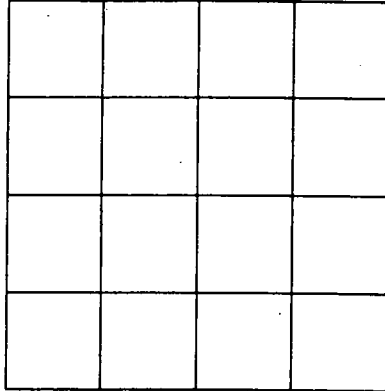
Top of Lap Pipe or Reduction in Casing  
**FEET** IF TELESKOPED OR MORE THAN ONE SCREEN: USE BACK PAGE

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Sandy Clay	0	15	Clay	800	925
Yellow & Blue Clay	15	31	Sandy Clay	925	970
Rock	31	32	Find Sand & Clay	970	1029
Blue Clay	32	355	Rock	1029	1031
Clay & Sand Streaks	355	385	Shale	1031	1180
Sand	385	400	Sand	1180	1287
Clay & Sand Streaks	400	520	Sand & Clay Streaks	1287	1307
Fine Sand & Shale	520	660	Clay	1307	1323
Sand & Clay Streaks	660	800			

IF MORE SPACE IS NEEDED, USE BACK

If well telescopes please sketch and show depths.

GROUND LEVEL



SECTION \_\_\_\_\_

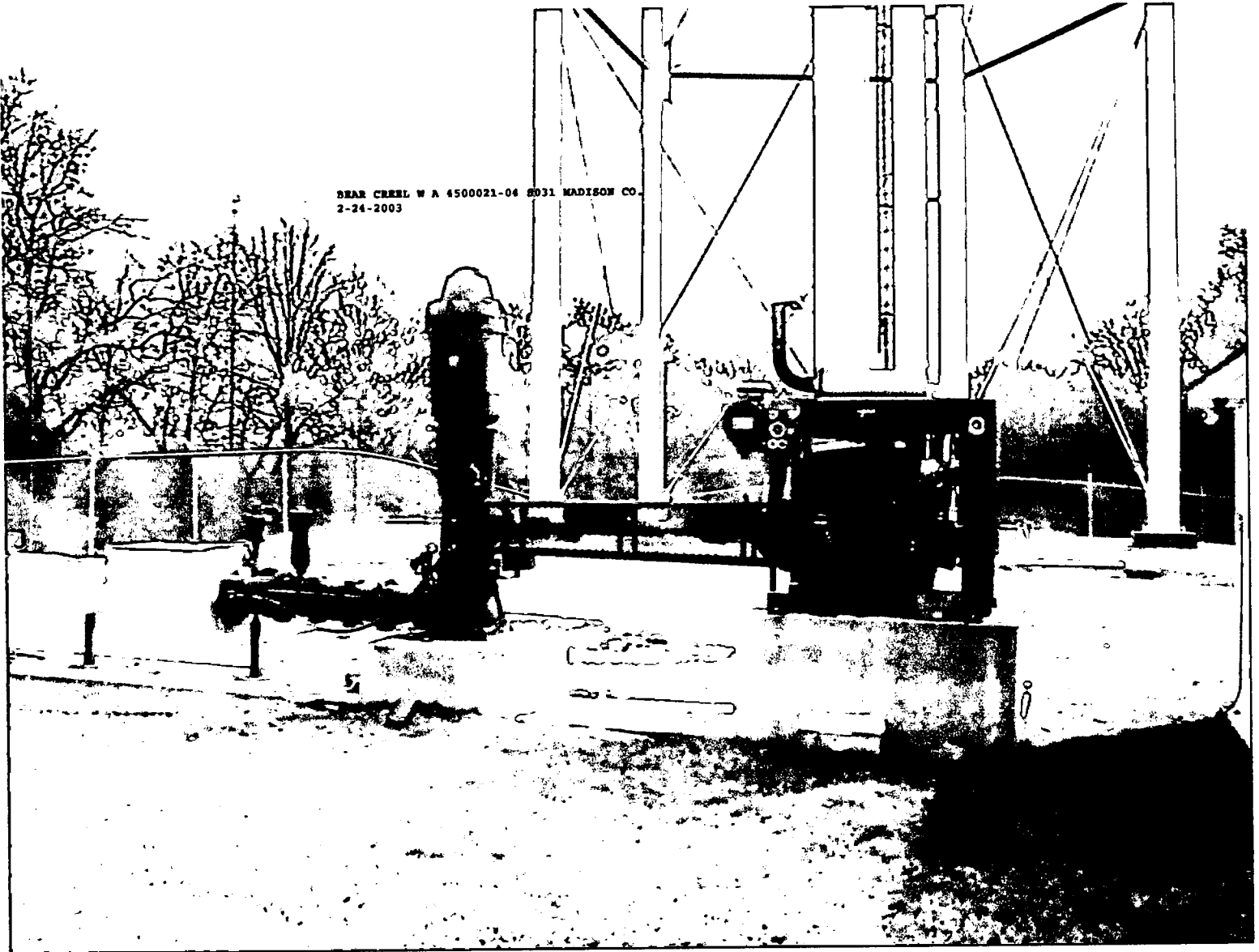
Please indicate well location X.

ADDITIONAL INFORMATION

A series of horizontal lines for providing additional information.

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

BEAR CREEK W A 4500021-04 8031 MADISON CO.  
2-24-2003



**DEPARTMENT OF ENVIRONMENTAL QUALITY - OLWR-**

**PUBLIC SUPPLY WELLS PROJECT**

**GPS LOG**

USER NAME (S): RLB dc DATE 2-24-2003

UNIT DEQ #: \_\_\_\_\_ FILE #: \_\_\_\_\_

HEALTH DEPT. #: 4500021-04 ELEVATION :

USGS #: s031 OLWR #:ms-gw-15161

OWNER: BEAR CREEK WATER ASS. CHARLTON QUAD.

LOCATION: SE/NE S17 T8N R1E MADISON CO

LOCATION DESCRIPTION : S. OF HY. 22 ON HY 463 @ WATER TOWER.

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CASING DIA: 16 PUMP TYPE & SIZE : TB

GPS FIELD LOCATION: LAT. 32 32 26.5 LONG. -90 12 33.7

GPS CORRECTED LOCATION: LAT. 32.54074 LONG -90.20938

REMARKS : P000856 PSD SENT

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Bear Creek W.A.

4500021-04

S037

GW 15161

**TopoZone.com**

Target is 32.5407°N, 90.2094°W - CHARLTON quad [Quad Info]

