

Academy Well

GW-12215

2

Coded By 0 2/90  
Checked By  
Entered By  
Date

U.S. GEOLOGICAL SURVEY  
WATER RESOURCES DIVISION  
MISSISSIPPI DISTRICT

E-Log No. 94  
County OKTIBBEHA  
Agency

Well No. 643  
154B

STARKVILLE

WELL RECORD

Agency Code: U S G S      Site: 13326140818418477011      Project No.: 5

Station Name: 12 6043 SITAIRKVI IJLLEI      Latitude: 9 3326141      Longitude: 10 018184184171

Lat/Long Ac.: 11 S F T M      Dist: 6-28      State: 7-28      County: 8 11051 NW SE      Land Net: 13 5 W N I E S I P I T I 1 8 I N R I I H I E

Location Map: 14 SITAIRKVI IJLLEI      Altitude: 16 32181      Met/Meas: 17 A L M      Accuracy: 18 15      Hydrologic Unit: 20 01311610110181

Agency Use: 803 A I O      Date Inventoried: 711 02 / 07 / 1990      Station Type: Y      Data Type: 804

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

Date of Construction: 21 10 / 11 / 1990      Well Use: 23 W      Water Use: 24 P      Primary Aquifer: 714 211 GORDI      Hole Depth: 27 11504

Well Depth: 28 1456      Water Level: 30 182 5      Water Level Date: 31 10 / 11 / 1990      Method: 34      Status: 37      Source: 33 D

CONSTRUCTION DATA

Construction Date: 60 10 / 11 / 1990      Contractor: 63 0211 Name Herndon      Method: 65 H      Finish: 66 G

CONSTRUCTION CASING DATA

Top/Casing: 77 1101      Bot/Casing: 78 1337      Diameter: 79 1101

Top/Casing: 77 11248      Bot/Casing: 78 1333      Diameter: 79 1101

CONSTRUCTION OPENINGS DATA

Top/Depth: 83 1333      Bot/Depth: 84 1456      Diameter: 87 1101      Type: 85 S      Length: 89      Width: 88 1020

Top/Depth: 83      Bot/Depth: 84      Diameter: 87      Type: 85      Length: 89      Width: 88

CONSTRUCTION LIFT DATA

Lift Type: 43 T      Date: 38 10 / 11 / 1990      Intake: 44 1302

Power: 45 E      H.P.: 46 200      Serial No.: 49

MISCELLANEOUS OWNER DATA

Date of Ownership: 159 10 / 11 / 1990      Owner Name: 161 STARKVILLE

MISCELLANEOUS OTHER ID DATA

E-Log No.: 190 0914      Assigner: 191 M I S S I D I S T

HDP# 530020-06

MISCELLANEOUS QM 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 1994 G *	Beg. Depth 200 / / / / 10 / *	End Depth 201 / / 15 / 10 / 31 / *
R=198	T=A	739#1	Log Type 1994 D *	Beg. Depth 200 / / / / 10 / *	End Depth 201 / / 15 / 10 / 14 / *

MISCELLANEOUS NETWORK DATA

R=114	T=A	730#1	Beg. Year 1154 / / / / *	End Year 1164 / / / / *	Agency Source 120=A 117# / / / / *	Freq. 118# / *
R=121	T=A	730#2	Beg. Year 1154 / / / / *	End Year 1164 / / / / *	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 / / 10 / / 12 / / 19 / 9 / 0 / *	Type 703 P/F	Discharge 150 / / / / 18 / / / *	So. Capacity 272 / / 128 / / / *
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GEOHYDROLOGIC DATA

R=90	T=A	721#1	Depth Top 91 / / 13 / 3 / 5 / / *	Depth Bot. 92 / / 14 / 7 / 0 / / *	Unit Id 93 / / 2 / / 1 / / 10 / 1 / 1 / *	304=P
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HYDRAULIC DATA

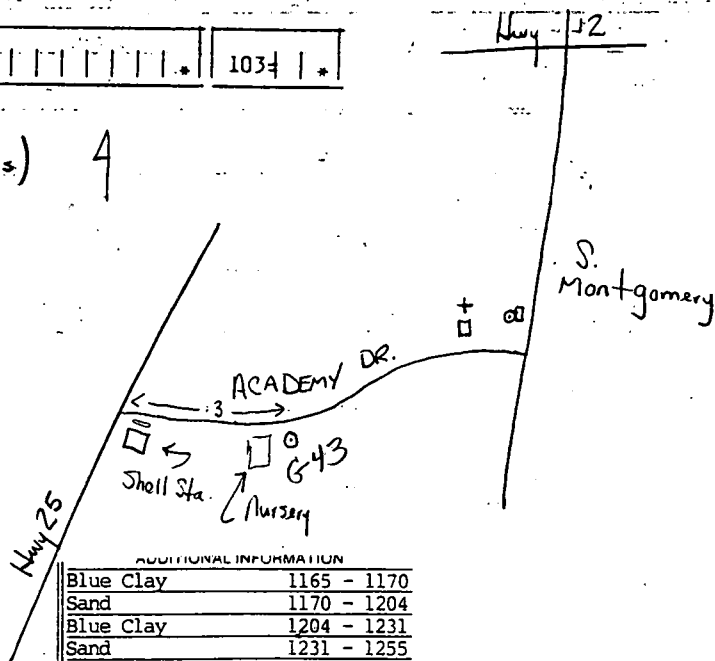
R=98	T=A	790#1	Unit Tested 100 / / / / / / / / *	103 / / *
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$1181/42 = 28.11 \text{ gpm/ft (24hrs)}$  4

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO
Black Sandy Clay	0	15
Limerock	15	670
Sand	670	675
Rock 2"		675
Sand & Gray Clay Strks	675	714
Rock 4"		714
Sand & Gray Clay Strks	714	749
Rock 6"		749
Sand & Gray Clay Strks	749	784
Rock 6"		784
Sand & Clay Streaks	784	890

FORMATIONS (Continued)	FROM	TO
Rock 4"		890
Blue Clay	890	921
Rock 2"		921
Sand	921	928
Rock 2"		928
Sand & Clay Streaks	928	1008
Hard Blue Shale	1008	1048
Blue Clay/few Sand Strk	1048	1140
Rock 8"		1140
Clay & Sand Streaks	1140	1165
Pink Gumbo		1165

ADDITIONAL INFORMATION	
Blue Clay	1165 - 1170
Sand	1170 - 1204
Blue Clay	1204 - 1231
Sand	1231 - 1255
Blue Clay	1255 - 1272
Sand	1272 - 1290
Pink Gumbo	1290 - 1327
Sand	1327 - 1465
Pink Gumbo/Sand Strk	1465 - 1500
Rock 2"	1500
Pink Gumbo/Sand Strk	1500 - 1504



Hwy 25

7-3-91

Hold 196

Cut 13.25

NP 2.25

WL 179.50

148.50 > 5L

S. Montgomery

# MISSISSIPPI DEPARTMENT OF NATURAL RESOURCES

Bureau of Land and Water Resources

P.O. Box 10631

Jackson, Mississippi 39209

## WATER WELL DRILLERS LOG

COUNTY WELL LOCATED <b>Oktibbeha</b>	
WELL NUMBER <b>9 G43</b>	CODED <input checked="" type="checkbox"/>
DATE WELL COMPLETED <b>10/12/90</b>	

PERMIT NUMBER
NAME OF DRILLING FIRM <b>Herndon Well &amp; Supply</b>
<b>Shannon, MS 38868</b>

NAME & MAILING ADDRESS OF LANDOWNER		
<b>City of Starkville</b>		
<b>Water Department</b>		
<b>Starkville, MS</b>		
WELL LOCATION: SEC	TOWNSHIP	RANGE
<b>10</b>	<b>18 N</b>	<b>14 E</b>
DISTANCE DIRECTION NEAREST TOWN		
<b>Inside city limits</b> Miles of		
OTHER LANDMARK		
<b>Academy Road</b>		
WELL PURPOSE: Home, Irrigation, Municipal, Industrial, Fish Pond, etc.		
<b>Municipal</b>		

PUMP DATA		
PUMP TYPE (Circle One): <b>200 HP</b> Submersible, <u>Turbine</u> , Jet, Flowing Well, Other (Describe)		
POWER TYPE (Circle One): <u>Electric</u> , Tractor, Diesel, Gasoline, Butane, Other (Describe)		
Pump Capacity (GPM)	No. of Stages	Setting Depth
<b>1181</b>	<b>14</b>	<b>302 FT.</b>
PUMP TEST		
Well yielded <b>1181</b> GPM with a drawdown of <b>42</b> ft. after <b>24</b> hours of pumping		

WELL DATA		
Well Depth	Casing Diameter (In.)	Casing Length (Ft.)
<b>1455.90</b>	<b>16</b>	<b>1337</b>
Type of Casing	Hole Depth	Depth to Static Water Level
<b>Steel</b>	<b>1504</b>	<b>182'5"</b>
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		
<b>1248 FEET</b>	IF TELESCOPED OR MORE THAN ONE SCREEN: USE BACK PAGE	

LOG DATA	
TYPE OF LOG RUN (Circle One): No Log Run, Electric, <u>Gamma Ray</u> , Density, Sonic, Neutron, Other (Describe)	
Name of Organization Running Log	
<b>Herndon Well &amp; Supply, Inc.</b>	

SCREEN DATA		
Diameter - Inches	Length - Feet	Slot Size - Inches
<b>10</b>	<b>123.50</b>	<b>.020</b>
Screen Type	Depth to Bottom - Feet	
<b>SS Ribbed</b>	<b>1455.90</b>	

GEOLOGIC DATA (Office Use Only)			
Surface Elev.	Geologic Unit	Unit Thickness	Depth to Top
Subs. SW.	Core	Analysis	Other Test
Driller's Remarks			
<b>RECEIVED</b>			
<b>DEC 31 1990</b>			
<b>Department of Natural Resources</b> <b>Bureau of Land &amp; Water Resources</b>			

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Black Sandy Clay	0	15	Rock 4"		890
Limerock	15	670	Blue Clay	890	921
Sand	670	675	Rock 2"		921
Rock 2"		675	Sand	921	928
Sand & Gray Clay Strks	675	714	Rock 2"		928
Rock 4"		714	Sand & Clay Streaks	928	1008
Sand & Gray Clay Strks	714	749	Hard Blue Shale	1008	1048
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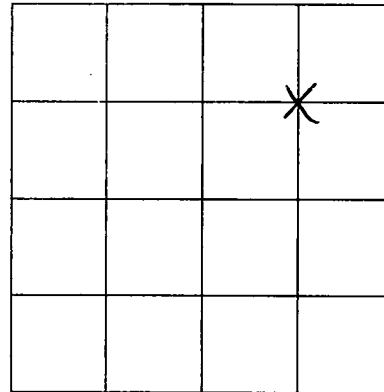
(over)

If well telescopes please sketch and show depths.

GROUND LEVEL

STAND-BY

IF NEEDED



SECTION 10

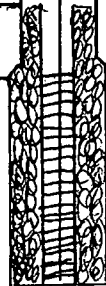
Please indicate well location X.

ADDITIONAL INFORMATION

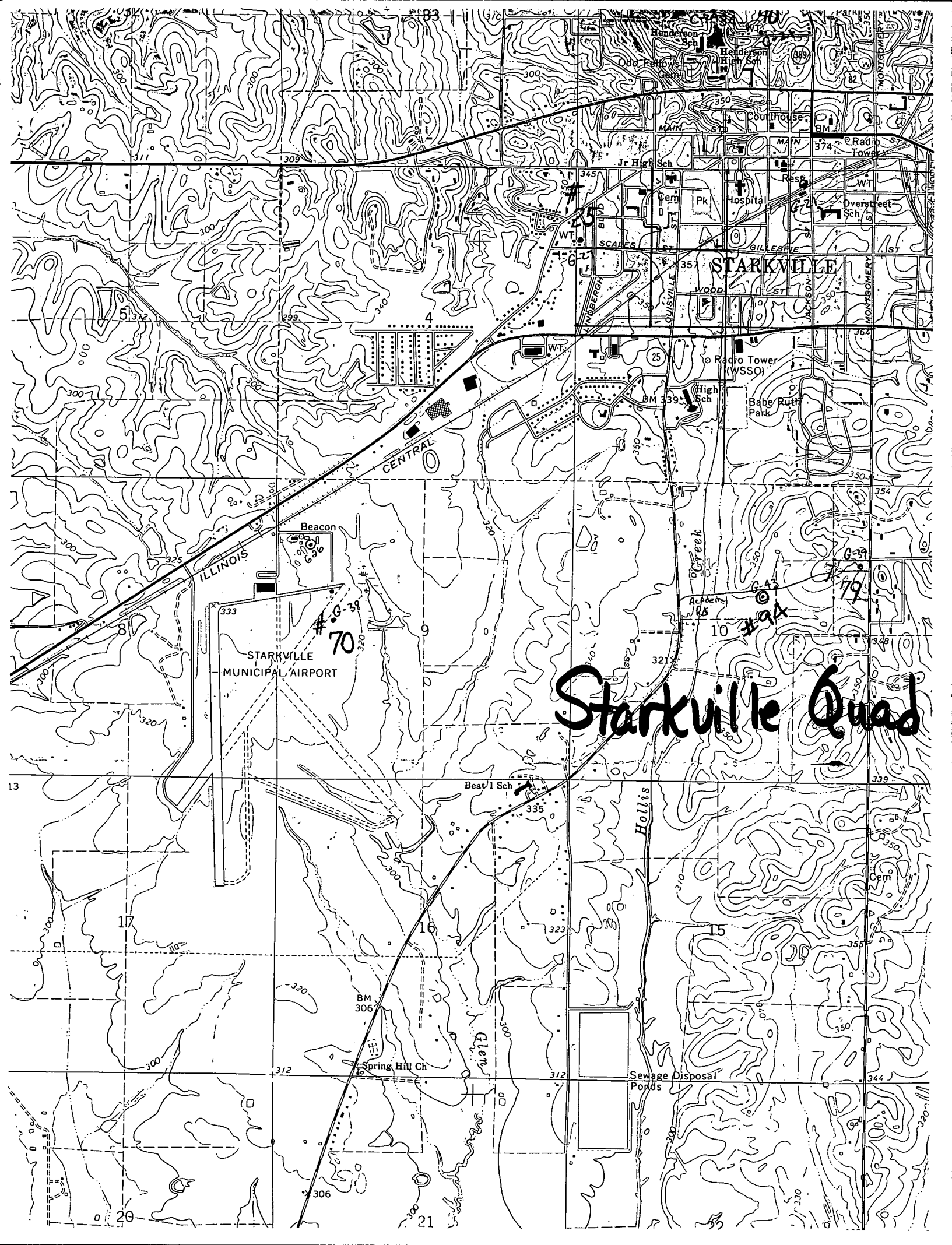
Blue Clay	1165 - 1170
Sand	1170 - 1204
Blue Clay	1204 - 1231
Sand	1231 - 1255
Blue Clay	1255 - 1272
Sand	1272 - 1290
Pink Gumbo	1290 - 1327
Sand	1327 - 1465
Pink Gumbo/Sand Strk	1465 - 1500
Rock 2"	1500
Pink Gumbo/Sand Strk	1500 - 1504

Top of LAP  
1248'

Top of Screen  
1332'



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



Starkville Quad

STARKVILLE  
MUNICIPAL AIRPORT

STARKVILLE

Hollis  
Creek

Sewage Disposal  
Ponds

#70

#94