

Coded By Q 5/94  
 Checked By 8/29/95-12-95  
 Entered By 8/29/94  
 Date 7/95

U.S. GEOLOGICAL SURVEY  
 WATER RESOURCES DIVISION  
 MISSISSIPPI DISTRICT

E-Log No. 249  
 County CLARKE  
 Agency CLARKE

Well No. M74  
254D

WELL RECORD

Agency Code <u>U1S1G1S</u>	Site Id <u>143210231108184181181011</u>	Project No. <u>54</u>
Station Name <u>12 M0174 HARMONY W IA</u>	Latitude <u>9432102311</u>	Longitude <u>1040818418118</u>
Lat/Long Ac. <u>11 S(F) T M</u>	Dist <u>6=28</u>	State <u>7=28</u>
County <u>8=0231</u>	Land Net <u>13 NIESW S01610121NRI151E2</u>	
Location Map <u>14 WAMITURBIET</u>	Altitude <u>16 31101</u>	Met. Meas <u>17 A L M</u>
	Accuracy <u>18 11101</u>	Hydrologic Unit <u>20 031171010102</u>
Agency Use <u>603 A I O</u>	Date Inventoried <u>711</u>	Station Type <u>4</u>
		Data Type <u>804</u>
Instru. <u>905</u>	Remarks <u>806</u>	Relia. <u>3 C L M (U)</u>
		<u>Z-W X</u>
Date of Construction <u>21 04 / 11 / 1994</u>	Well Use <u>23 W</u>	Water Use <u>24 P</u>
	Primary Aquifer <u>714 12TWLCP1L</u>	Hole Depth <u>27 210351</u>
Well Depth <u>28 19711</u>	Water Level <u>30 42</u>	Water Level Date <u>31 05 / 10 / 1995</u>
	Method <u>34</u>	Status <u>37</u>
		Source <u>33 D</u>

CONSTRUCTION DATA

R=58	T=A	723#1	Construction Date <u>60 05 / 10 / 1995</u>	Contractor <u>63 0164</u>	Name <u>LAYNE</u>	Method <u>65 H</u>	Finish <u>66 51</u>
------	-----	-------	---	------------------------------	----------------------	-----------------------	------------------------

CONSTRUCTION CASING DATA

R=76	T=A	725#1	59#1	Top/Casing <u>77 1101</u>	Bot/Casing <u>78 1925</u>	Diameter <u>79 12</u>
R=76	T=A	725#2	59#1	Top/Casing <u>77 181651</u>	Bot/Casing <u>78 19311</u>	Diameter <u>79 81</u>

CONSTRUCTION OPENINGS DATA

R=82	T=A	726#1	59#1	Top/Depth <u>83 1931</u>	Bot/Depth <u>84 191711</u>	Diameter <u>87 81</u>	Type <u>85 S</u>	Length <u>89</u>	Width <u>88 02101</u>
R=82	T=A	726#2	59#1	Top/Depth <u>83</u>	Bot/Depth <u>84</u>	Diameter <u>87</u>	Type <u>85</u>	Length <u>89</u>	Width <u>88</u>

CONSTRUCTION LIFT DATA

R=42	T=A	254#1	Lift Type <u>43 11</u>	Date <u>38 05 / 10 / 1995</u>	Intake <u>44 110101</u>
Power <u>45 E</u>	H.P. <u>46 40</u>	Serial No. <u>49</u>			

MISCELLANEOUS OWNER DATA

R=158	T=A	718#1	159 05 / 01 / 1995	Owner Name <u>161 HARMONY W IA</u>
-------	-----	-------	--------------------	---------------------------------------

MISCELLANEOUS OTHER ID DATA

R=189	T=A	736#1	E-Log No. <u>190 21</u>	Assigner <u>191 M I S S I O I S I T</u>
-------	-----	-------	----------------------------	--

MISCELLANEOUS QW DATA

R=192	T=A	738#1	Date of Measurement	193#	Aquifer Sampled	195#	Temp	196#00010	Value	197#
R=192	T=A	738#2	Date of Measurement	193#	Aquifer Sampled	195#	So Cond	196#00095	Value	197#
R=192	T=A	738#3	Date of Measurement	193#	Aquifer Sampled	195#	pH	196#00400	Value	197#

MISCELLANEOUS LOGS DATA

R=198	T=A	739#1	Log Type	199#E	Sec. Depth	200#	End Depth	201#2101091
R=198	T=A	739#1	Log Type	199#N	Sec. Depth	200#	End Depth	201#201351

MISCELLANEOUS NETWORK DATA 706 = QW WL WD \*

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

MISCELLANEOUS REMARKS DATA

R=183	T=A	311#1	Date of Remarks	184# 05/10/11/1995	Remarks	185# MSGW 14694
-------	-----	-------	-----------------	--------------------	---------	-----------------

DISCHARGE DATA

R=146	T=A	Pump/Flow	147#1	Date	148# 05/10/11/1995	Type	703#P	Discharge	150#	So. Capacity	272#
-------	-----	-----------	-------	------	--------------------	------	-------	-----------	------	--------------	------

GEOHYDROLOGIC DATA

R=90	T=A	721#1	Death Top	91# 191251	Death Bot.	92#	Unit Id	93# 1214WLCXL	304#P
------	-----	-------	-----------	------------	------------	-----	---------	---------------	-------

HYDRAULIC DATA

R=98	T=A	790#1	Unit Tested	100#	103#
------	-----	-------	-------------	------	------

DESCRIPTION OF FORMATIONS ENCOUNTERED	FROM	TO	FORMATIONS (Continued)	FROM	TO
Yellow Clay	0'	15'	Clay	710'	895'
Blue Clay	15'	33'	Rock	895'	897'
Blue Clay	33'	75'	Clay	897'	947'
Sand & Clay streaks	75'	140'	Rock	947'	948'
Shale	140'	205'	Clay	948'	1096'
Fine Sand & clay streaks	205'	310'	Rock	1096'	1097'
Sand	310'	399'	Clay	1097'	1650'
Shale	399'	480'	Rock	1650'	1652'
Shale & Sand streaks	480'	510'	Clay	1652'	1660'
Shale	510'	674'	Sand	1660'	1675'
Sandy clay	674'	710'			

ADDITIONAL INFORMATION

Clay & Sand streaks	1675'	169'
Sand	1695'	1716'
Rock	1710'	1712'
Hard Shale	1712'	172'
Clay	1727'	176'
Clay & Sand streaks	1765'	179'
Shale & Sand streaks	1794'	184'
Sandy Clay	1842'	188'
Clay	1881'	1885'
Sand	1885'	199'
Fine sand & clay streaks	1997'	202'
Clay & Sand streaks	2025'	202'

352 gpm 7' dd (24 hrs)