

9-185  
(October 1950)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

WELL SCHEDULE

Date 11-17, 1964 Field No. \_\_\_\_\_  
Record by P.E. Grantham Office No. A13  
Source of data D.A.R. + Obser

1. Location: State Miss County Pontotoc  
Map New Albany Quad  
NW SW 1/4 NE 1/4 sec. 31 T 9 N 1 R 1  E  W

2. Owner: Toccapala Water Assoc. Address \_\_\_\_\_  
Tenant \_\_\_\_\_ Address \_\_\_\_\_  
Driller Layne Central Address \_\_\_\_\_

3. Topography \_\_\_\_\_  
4. Elevation 400 ft.  above  below MSL TOPO

5. Type: Dug,  drilled, driven, bored, jetted 1964

6. Depth: Rept. 1700 ft. Meas. \_\_\_\_\_ ft.

7. Casing: Diam. 10 in., to 6 in. Type \_\_\_\_\_  
Depth \_\_\_\_\_ ft., Finish 6" screen, 0010

8. Chief Aquifer 2nd From \_\_\_\_\_ ft. to \_\_\_\_\_ ft.

9. Water level \_\_\_\_\_ ft.  above  below 19 ft.  above  below surface

10. Pump: Type \_\_\_\_\_ Capacity \_\_\_\_\_ G. M.  
Power: Kind \_\_\_\_\_ Horsepower \_\_\_\_\_

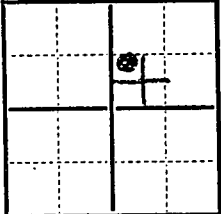
11. Yield: Flow \_\_\_\_\_ G. M., Pump 200 G. M., Meas.  Rept. Est.  
Drawdown \_\_\_\_\_ ft. after \_\_\_\_\_ hours pumping \_\_\_\_\_ G. M.

12. Use: Dom., Stock,  PS, RR., Ind., Irr., Obs.  
Adequacy, permanence \_\_\_\_\_

13. Quality \_\_\_\_\_ Temp. \_\_\_\_\_ °F.

Taste, odor, color \_\_\_\_\_ Sample  Yes  No  
Unfit for \_\_\_\_\_

14. Remarks: (Log, Analyses, etc.) E. log run to 1,691'  
Test hole to 1,700'. TROUBLE DEVELOPING!  
Screen (10010)

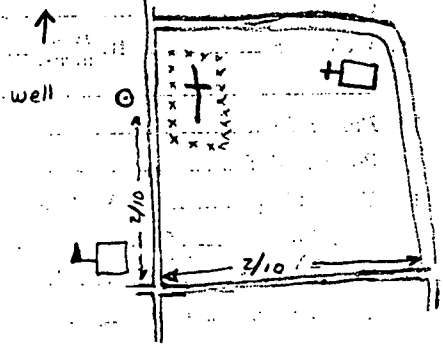


DETAILS OF THE  
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mud . 9.5 Res

- |                                    |                                     |
|------------------------------------|-------------------------------------|
| 0-41 clay                          | 1479-1505 HP. sd + cl. + sh + shale |
| 41-47 sd                           | 1505-1518 Rock                      |
| 47-60 clay                         | 1518-1529 HP sd + sh + shale        |
| 60-90 sd + clay strks              | 1529-1530 Rock                      |
| 90-246 Hard clay                   | 1530-1581 HP sd + sha + sho         |
| 246-355 clay softer                | 1581-1584 Rock                      |
| 355-531 Hard clay                  | 1584-1626 Hard clay                 |
| 531-639 Lime + sdy strks           | 1626-1646 sdy Lime                  |
| 639-655 sd                         | 1646-1673 Hrd Lime + Shale          |
| 655-659 Rock. sd strks             | 1673-1674 Rock                      |
| 659-673 sd                         | 1674-1686 Hard Lime + Shale         |
| 673-728 Hard clay + Rock strks     | 1686-1689 Rock                      |
| 728-765 Rock med Hard sh + s = 20' | 1689-1700 Hrd Lime + Sh             |
| 765-814 Hard clay + Rock strks     | Rock                                |
| 814-1026 clay + chalk + Rock strks |                                     |
| 1026-1035 clay softer              |                                     |
| 1035-1052 sdy clay                 |                                     |
| 1052-1054 Rock                     |                                     |
| 1054-1059 sdy clay                 |                                     |
| 1059-1061 Rock                     |                                     |
| 1061-1072 sdy clay                 |                                     |
| 1072-1097 clay                     |                                     |
| 1097-1098 Rock                     |                                     |
| 1098-1150 clay                     |                                     |
| 1150-1153 Rock                     |                                     |
| 1153-1180 clay                     |                                     |
| 1180-1190 sdy clay                 |                                     |
| 1190-1232 clay                     |                                     |
| 1232-1233 Rock                     |                                     |
| 1233-1339 clay + Rock strks        |                                     |
| 1339-1349 sdy clay                 |                                     |
| 1349-1466 clay + R. strks          |                                     |
| 1466-1472 clay + sd strks          |                                     |
| 1472-1479 H.P. Fine sd             |                                     |



Pontotoc  
 A 13  
 11-13-64  
 U.S.G.S.

MISSISSIPPI  
 BOARD OF WATER COMMISSIONERS  
 416 North State Street  
 Jackson, Mississippi 39201

4/24/64  
 CODED  
 JN

WATER WELL DRILLERS LOG

C1891

November 13, 1964 Lavne-Central Company Pontotoc  
 date well completed firm name county well located

LANDOWNER:	description of formations encountered	from	to
Toccopola Water Association, Inc.	Clay	0	41
	Sand	41	47
Toccopola, Mississippi (mailing address)	Clay	47	60
	Sand, clay strks.	60	90
WELL LOCATION:	Hard clay	90	246
sec 31 T 9 XNX R 1 E S XNX	Clay softer	246	353
	Hard clay	353	551
(distance) miles (direction) of (nearest town)	Lime & sandy strks.	551	639
	Sand	639	655
WELL PURPOSE: municipal (home, irrigation, municipal, industrial)	Rock, sand strks.	655	659
	Sand	659	672
WELL COMPLETION DATA:	Hard clay, rock strks.	672	728
(1) diameter (inches) 10" x 6"	Rock, med. hard	728	765
(2) total depth (feet) 1701	Hard clay, rock strks.	765	814
(3) static water level (feet) 140 below top of ground.	Clay, chalk rock strks.	814	1026
(4) casing (material) (depth) 1525'	Clay, soft	1026	1035
600' x 10" (size) (material) (depth)	Sandy clay	1035	1052
960' x 6" (size) If telescope see back.	Rock	1052	1054
(5) screen (length) (depth to top) 50' 1525	Sandy clay	1054	1059
6" (size) stainless steel (material)	Rock	1059	1061
(6) pump (HP) (yield gpm) 30 150	Sandy clay	1061	1072
electric (type power)	Clay	1072	1097
(7) electric log (yes or no) yes	Rock	1097	1098
U.S.G.S. (organization running log)	Clay	1098	1150
(8) how well bottom plugged B.P.V.	Rock	1150	1153
	Clay	1153	1180
	Sandy clay	1180	1190
	Clay	1190	1232
	Rock	1232	1233
	Clay, rock strks.	1233	1339
	Sandy clay	1339	1349
	Clay, rock strks.	1349	1466
	Clay, sandy strks.	1466	1472
	H.P. Fine sand	1472	1479
	H.P. Sand, shale & Shell	1479	1502
	H.P. Sand, shale & shell	1502	1515
	Rock	1515	1518
DRILLERS REMARKS:	H.P. Sand, shale, shell & gravel	1518	1525

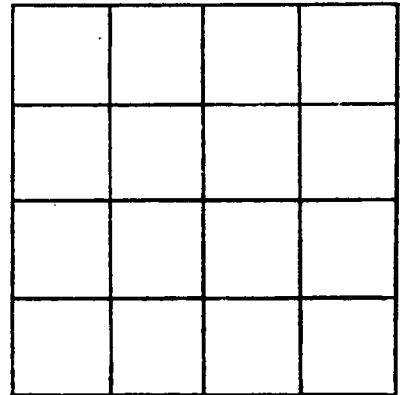
(over)

(7)

If well telescopes please sketch and show depths.

GROUND LEVEL

A13



SECTION 31

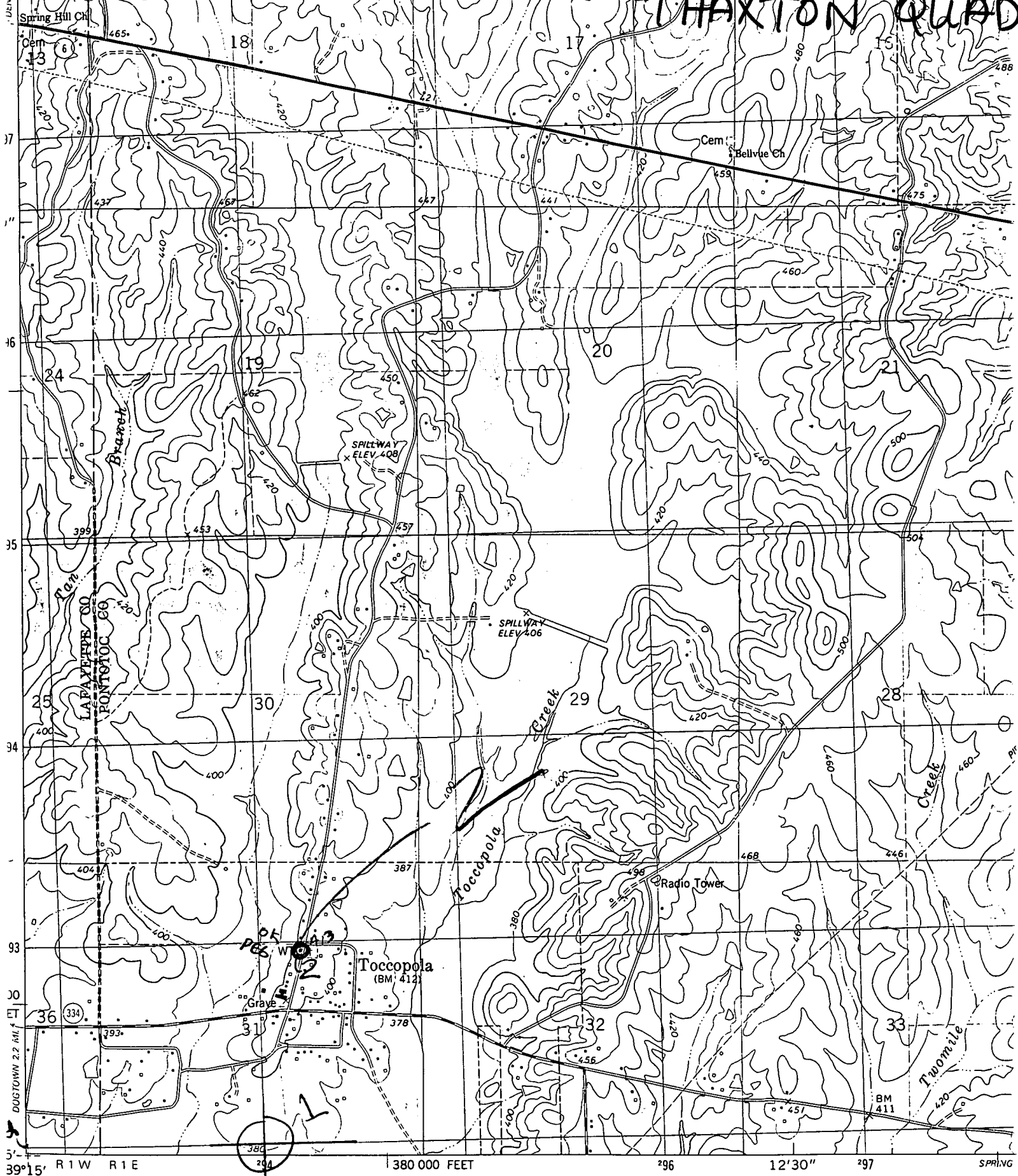
Please indicate well location X.

ADDITIONAL INFORMATION

H.P.	Sand, shale, shell & gravel	1525	1529
Rock		1529	1530
H.P.	Sand, shale, shell & gravel	1530	1548
H.P.	sand, shale, shell & gravel	1548	1571
H.P.	Sand, shale, shell & gravel	1571	1581
Rock		1581	1584
	Hard clay	1584	1626
	Sandy lime	1626	1640
	Sandy lime	1640	1646
	Hard lime & shale	1646	1673
	Rock	1673	1674
	Hard lime & shale	1674	1686
	Rock	1686	1689
	Hard lime & shale	1689	1700

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

# THAXTON QUAD



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1975. Field checked 1976. Map edited 1980

Projection and 10,000-foot grid ticks: Mississippi coordinate system, east zone (transverse Mercator)  
1000-meter Universal Transverse Mercator grid, zone 16

