

147003

CITY #3A@1976

322743 08 35626

ALL MEASUREMENTS TAKEN FROM (GROUND) (TOP OF FOUNDATION) (TOP OF CASING) (TOP BASE PLATE)

DRAWING OF THE WELL

STARTED WELL April 26 1976 AND COMPLETED June 17 1976

TOTAL DEPTH 560 ELEVATION _____ STATIC WATER LEVEL 137

LENGTH SURFACE CASING _____ SIZE _____ THICKNESS _____

CEMENTED WITH _____ BACKS CEMENT TYPE PACKER _____

LENGTH WELL CASING 360 SIZE 24" WEIGHT 0.375

CEMENTED WITH _____ BACKS CEMENT TYPE PACKER _____

INNER CASING LENGTH 250" SIZE 8" WEIGHT 5.5 #10 Gauge

WITH _____ CHUMPER LOCATIONS SHOWN TYPE BACKOFF _____

LEAD _____ BACKPRESSURE VALVE _____ GUIDE _____

WELL STRAINER MAKE Layne SIZE 8" LENGTH 50' OPENING _____

TYPE MATERIAL S.S. WITH welded CONNECTIONS _____

SIZE HOLE DRILLED FOR SURFACE CASING 30 WITH Tri-Cone

SIZE HOLE DRILLED FOR WELL CASING 24 WITH " "

SIZE HOLE DRILLED FOR STRAINER 23 WITH " "

YARDS OF GRAVEL USED 60 tons HOW PLACED Gravity & Pump #620

HOW WAS WELL DEVELOPED Tent Pumped

NOTE: stainless steel pipe 8" I.D. No. 10 gauge lapped

inside 24" steel pipe 50'

RIG USED Gardner-Denver DRILLER G. Yawn & Willie Sailor

SERIAL NUMBER 82078 MAKE Layne FOUNDATION concrete

LENGTH COLUMN 170" SIZE 6" x 1-3/16" x 2" TYPE Oil # 10 LENGTHS

BOWL SIZE 10 TYPE BKHC DIAPHS 6 MATERIAL IMPELLER _____

MATERIAL BOWL Gal. WITH open shaft seal P.S. SHAFT

SUCTION SIZE 6" LENGTH 30' SUCTION STRAINER 6ms

IS PUMP SEALED HOW _____ WITH WHAT _____

LUBRICATOR TYPE Oil SIZE 4-qt. VOLTAGE 230

LENGTH OF AIRLINE 168' SIZE 1/2" TYPE MATERIAL Galv.

AIR RELEASE VALVE TYPE 2" SIZE _____

SIZE SURFACE DISCHARGE 6 TYPE 1 1/2" DAYTON COUPLING

PRESSURE GAUGE 0-100 SPEED 1800

NOTES _____

RIG USED TO SET PUMP Small 10T INSTALLER _____

DATE PUMP INSTALLED 2-13-76 DATE IN OPERATION 10-8-76

MAKE GE HP 50 FRAME G426TP PHASE 3 CYCLE 60 VOLT 220/440

SPEED 1800 MODEL _____ SERIAL NUMBER J15623440

TOP BEARING _____ BOTTOM BEARING _____ RATCHET _____

STARTER _____ PRESSURE SWITCH _____ FLOAT _____

MAKE _____ MODEL _____ SIZE _____ RATIO _____ NO. _____

SIZE PULLEY _____ TYPE MOTOR FRAME _____

MAKE _____ MODEL _____ HP _____ SERIAL NUMBER _____

SPEED _____ SIZE PULLEY _____ FOUNDATION _____

TYPE FUEL TANK _____ MAKE MAG _____ NO. _____

MAKE STARTER _____ NO. _____ TYPE FUEL _____

MAKE FLEXIBLE SHAFT _____ SIZE _____ LENGTH _____ BELT LENGTH _____

PURPOSE FOR WHICH THIS WATER IS USED Municipal

TEMPERATURE _____ IS WATER CLEAR Yes CAPACITY 500

SAND none HARDNESS 10 ppm PH 5.7 IRON .05 NACL II

TYPE TREATMENT USED Aeration & Filter G/2

IS THERE A DERIVICH OVER THE WELL HEIGHT _____ TYPE _____

CAN TRUCK OR RIG EASILY GET TO WELL _____

PUMP HOUR _____ SIZE HATCH _____

CONTRACT NO. AI-0105

OUR WELL NO. 3(a) THEIR WELL NO. _____ (a) IN 100' HOLE NO. 1

LOCATION OF THE WELL North of Tom West of Ga. 49 in City Limits

INSTALLED FOR City of Marshallville

ADDRESS CITY Marshallville COUNTY Macon STATE Ga.

Engineers: Tribble & Richardson

YEAR 1976

16503891

City of Marshallville #3A
 Contract No. AI-0102

FORMATION LOG OF THE WELL OR TEST HOLE

STARTED TEST HOLE May 7 1976 FINISHED May 10 1976 TEST HOLE NUMBER _____
 LOCATION North on Ga. 49 West of Highway in Cave TS _____ RANGE _____ ELEVATION _____

TOTAL DEPTH	THICKNESS EACH STRATUM	FORMATION	TOTAL DEPTH	THICKNESS EACH STRATUM	FORMATION
5	5	Top Soil			Clay
15	10	Clay & Sand			
17	22	Sand w/little Clay			
42	15	Coarse Sand & Silty Clay			
66	14	Sand w/little White Clay			
81	15	Coarse Sand & Silty Clay			
96	15	Coarse Sand & Silty Red Clay			
116	20	Coarse Sand & Silty Red Clay			
126	10	Coarse Sand & Silty White Clay			
157	31	Coarse Sand & Silty Clay			
167	10	Yellow Clay w/little Sand			
180	13	Yellow Clay w/Silty Sand			
195	15	Yellow Clay little Sand Med.			
230	35	Clay w/Silts of Sand			
243	11	Coarse Sand w/Silty Clay			
258	15	Fine Sand w/Silty Clay Soft			
272	14	Fine Sand little Yellow Clay			
285	13	Sand w/little Clay Silty			
300	15	Fine Sand & White Clay			
312	12	Blue Clay Silty Med.			
329	17	Blue Clay & Sand Slow			
357	28	Fine Sand w/little Blue Clay			
369	12	Fine Sand very little Slow			
396	27	Coarse Sand Red w/very little clay Soft.			
443	47	White Coarse Sand Soft			
454	11	Blue Clay-Gray Sand Med.			
473	19	Gray Sand w/little Silty of Clay Soft.			
488	15	Gray Sand Soft			
501	13	Coarse Gray Sand Soft			
500	19	Coarse Gray Sand Med.			
530	10	Clay & Gray Sand Med.			
561	31	Coarse Sand w/little Silty Blue Clay Soft.			
576	15	White Coarse Sand w/little Clay			
591	15	Red Coarse Sand w/little Silty			

MUD PIT SIZE _____ FT. X _____ FT. X _____ FT. DEEP
 TYPE BIT USED TO CUT SAND _____
 SIZE OF TEST HOLE THROUGH SAND _____
 TYPE OF BIT USED TO CUT UPPER FORMATIONS _____
 SIZE _____
 TYPE MUD PUMP USED _____
 DRILLING PRESSURE IN SAND _____
 TYPE OF MUD USED _____
 NOTES: Electric log run by Jerry Idler, BRGS

TEST DATA	
PRELIMINARY TEST	FINAL TEST
STATIC WATER LEVEL	137
PUMPED G P M	560
PRESSURE POUNDS	
DRAWDOWN	11
G P F D	50.91
GUARANTEED G P M	500
GUARANTEED PRESSURE	
DATE OF TEST	June 9, 1976

REMARKS
 Filled Existing Well No. 3 with Sand & Chlorine Powder. Filled Top 20' with Cement Plug & cut off below Ground Surface 4'. April 28, 1976.
 DRILLER Sylvester Yarn & Willie Sallor
 FIELD SUPT. Jean Mendenhall

1656091

DO NOT WRITE	
CLASS II	
CLASS III	
INDIVIDUAL	

WELL DATA SHEET
 For
PUBLIC OR COMMUNITY WATER SUPPLY SYSTEMS OR INDIVIDUAL WATER SUPPLY

INSTRUCTIONS:

Name of Water System: City of Marshallville Location: Marshallville County: Macon
 Type: Municipal ; Subdivision _____ No of Lots _____ ; Mobile Homes _____ or Trailer Parks _____
 No of Lots _____ ; Industrial _____ ; Commercial _____ ; Individual _____ Other _____
 Owner: City of Marshallville Driller: Layne Atlantic Company
 Address: Marshallville, Georgia Address: Albany, Georgia
 Date Drilling Started: April 26, 1976 Date Completed: June 17, 1976
Well # 3A

WELL DESCRIPTION

TYPE DRILLING (Check)
 Rotary
 Percussion _____
 Bored _____
 Total depth of Well 560 Ft.
 Depth to water (SWL) 337 Ft.

GROUTING
 Type Grout Cement
 Applied by pressure Pump Other _____
 From 0 Ft. To 360 Ft.
 From _____ Ft. To _____ Ft.
 From _____ Ft. To _____ Ft.

HOLE DIAMETER:
 From 0 Ft. To 360 Ft. 30 in.
 From 370 Ft. To 560 Ft. 23 in.
 From _____ Ft. To _____ Ft. _____ in.
 From _____ Ft. To _____ Ft. _____ in.
 From _____ Ft. To _____ Ft. _____ in.

TEST PUMP DATA:
 Pumped Test Bailed _____
 Estimated 177 gpm (Griffin measured)
 Date Tested June 9, 1976
 Pump rated 50 GPM 50 HP
 Yield 500 GPM after 8 hrs.
 of stabilization
 Water Level before Test 337 Ft.
 Drawdown 33 Ft.
 Specific Capacity 50.91 GPM per ft.

CASING RECORD:
 Type Material Black Steel Pipe, Sch. 40
 Size 4 in. From 0 Ft. To 360 Ft.
 Size _____ in. From _____ Ft. To _____ Ft.
 Size _____ in. From _____ Ft. To _____ Ft.
 Size _____ in. From _____ Ft. To _____ Ft.
 Size _____ in. From _____ Ft. To _____ Ft.

Well developed and Disinfected
 Yes No

WELL SCREEN:
 Type Material Stainless Steel
 Size 8 in. From 380 Ft. To 400 Ft.
 Size 8 in. From 415 Ft. To 425 Ft.
 Size 8 in. From 510 Ft. To 520 Ft.
 Size 8 in. From 540 Ft. To 550 Ft.
 Size _____ in. From _____ Ft. To _____ Ft.

PERMANENT PUMP DATA (If Available)
 Pump Type Vertical Turbine
 Outlet Size 6
 Powered by Electric VHS Motor
 Horse power 50 HP
 Rate 500 GPM
 Pumping Level 347
 Pump Disinfected Yes No

2" P.C. Casing starts at 330'

FOR WELL LOG, USE REVERSE SIDE

1650361

RECORD OF TEST
LAYNE-ATLANTIC CO.
 Sales Order No. AL-2104

WELL NO. _____ PUMP NO. _____ Test DATE June 9, 1936
 FOR City of Marshallville #3A
 CITY Marshallville STATE Georgia
 LOCATION Northside of Well No. (A) Queen County

AIR LIFT TEST
 BLOWOFF PRESSURE _____ POUNDS GUARANTEED GPM 500 AT 0 (FEET) (POUNDS)
 RUNNING PRESSURE _____ POUNDS STATIC LEVEL 337 FEET
 LENGTH OF AIR LINE _____ FEET ACTUAL LENGTH OF WATER LEVEL _____ FEET
 MEASURING AIRLINE _____ FT. _____ IN.

TIME	PUMP		AIR LINE GAGE LBS.-FT.	DRAW-DOWN	INCHES ON WEIR OR ORIFICE	GPM	Used electric probe for water levels
	RPM	PRESSURE LBS.-FT.					
1:00 AM	0	0	337	0	0	0	
1:15 PM	1225		347	10	21"	560	
1:30 AM	1225		347	10	21	560	
1:45 PM	1225		348	11	21	560	
2:00 AM	1225		348	11	21	560	
2:30 PM	1225		348	11	21	560	
3:00 AM	1225		348	11	21	560	
4:00 PM	1225		348	11	21	560	
5:00 AM	1225		348	11	21	560	
6:00 PM	1225		348	11	21	560	
7:00 AM	1225		348	11	21	560	
8:00 PM	1225		348	11	21	560	
9:00 AM	1225		348	11	21	560	
10:00 PM							
11:00 AM							
12:00 PM							
1:00 PM							
2:00 PM							
3:00 PM							
4:00 PM							
5:00 PM							
6:00 PM							

J. J. Margo

REPRESENTATIVE FOR GORDON

W. Willie Saylor, Jr.

REPRESENTATIVE FOR LAYNE-ATLANTIC CO.

1550 3891

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