

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

461-1933

INDEXED

approved 4/22/86

Stanger

P 36442

A 36311

ELLICOTT CITY

DISTRICT 4th

DATE 2 1/21/86

J. Hoke Rosensteel - Bud Arnold

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 404 N. Main Street. Mt. Airy, MD 21771

PHONE 831-7355

SUBDIVISION Mabel Warfield Property ROAD 3714 Route 94

LOT 2

PROPERTY OWNER Robert & Linda Reed

ADDRESS

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES NO ☒

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 4 feet below original grade. Bottom maximum depth 5 1/2 feet below original grade. Effective area begins at 4 feet below original grade. 1 1/2 feet of stone below distribution pipe.

LOCATION: Start the first trench 115 feet from the front lot line (dirt Lane) and 180 feet from the 517' (right) lot line. Run trench(s) along contour toward front lot line.

NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench(s) before gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *ck/cw*

PLANS APPROVED BY C. Williams

DATE 1/21/86

COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

NOTE: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER. NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH.

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 40 PVC OR ABS.

PERMIT VOID AFTER THREE YEARS.

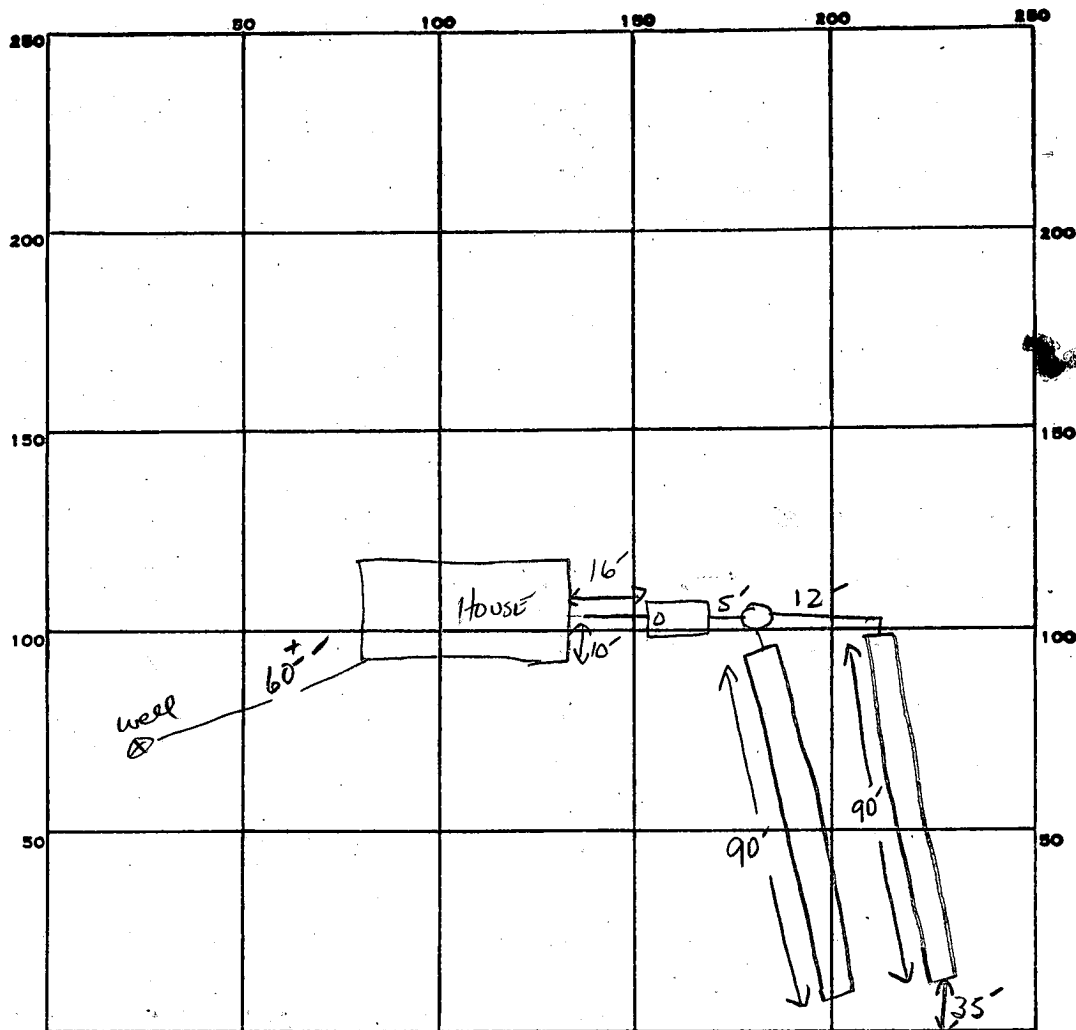
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 461-1933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 36311



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
TO R294 ← GRAVEL ROW

PERMIT CARD _____

SEPTIC TANK, LEVEL ✓ 1000 GAL

CLEANOUTS ✓ ST

DISTRIBUTION BOX, LEVEL ✓

TILE FIELD, DEPTH 5.5 FT. TRENCH WIDTH 3 FT. INLET 4"

GRAVEL DEPTH 18 IN. TOTAL LENGTH 90 90 FT.

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA 540 sq

SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 540 SQ. FT.

REMARKS 4-2-86 - OK TO COVER ALL WORK - MAKE HOUSE CONNECTION & CALL FOR FINAL SA.

4/22/86 House connection OK JS

DATE SYSTEM APPROVED 4/22/86

INSPECTOR Stager

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 36311

P _____

DISTRICT _____

DATE 12/6/85

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Robert & Linda Reed

ADDRESS 9502 Watkins Rd. Gaithersburg Md. 20879 PHONE 253-3323

PROPERTY LOCATION:

SUBDIVISION Mabel C. Worfield Estate LOT NO. _____

ROAD AND DESCRIPTION _____

SIZE OF LOT RE 94 approx. 2 miles south of Rt 70 just before Annapolis Rock
3 bedroom ranch house
on gravel road on right of 94 TYPE BLDG. _____
(NUMBER OF BEDROOMS)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY

WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT 1.4 Acres
J. Jake Rosenfeld (Foremost Industries Inc.) 301-831-7355
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

B.P. # 68548

BLDG. FORM _____
AND RETURNED 2-486

THIS IS NOT A PERMIT

SOIL PROFILE

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Limiting
→ ZONE

[illegible]

REMARKS: _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

0

10'

2'

9'

EH-12-1079

AP

Brown CLAY LOAM 10-20% Shale Fragments

Brown Silt SAND LOAM 30-40% Shale Fragments

MASSIVE SAPROLITE

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
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P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT

DATE

A 36311
P _____

180' / B.R.
inlet max 40' below orig. grade
Total depth max 52' " "
location - start trench 110' from front lot line (dist. lane)
& 180' from 517' lot line (right side)

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Robert & Linda Reed

ADDRESS 9502 Watkins Rd. Gaithersburg Md. 20879 PHONE 253-3323

PROPERTY LOCATION:

SUBDIVISION Mabel C. Warfield Estates LOT NO. 2

3714
ROAD AND DESCRIPTION Rt. 94 approx. 2 miles south of Rt. 70 just before Annapolis Rock
dirt & gravel road on right of 94

SIZE OF LOT 5.136 Acres TYPE BLDG. 3 bedroom ranch house
(NUMBER OF BEDROOMS) no disposal

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE

FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY

WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. J. Hoke Rosenthal (Foremost Industries Inc.) 831-7355
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

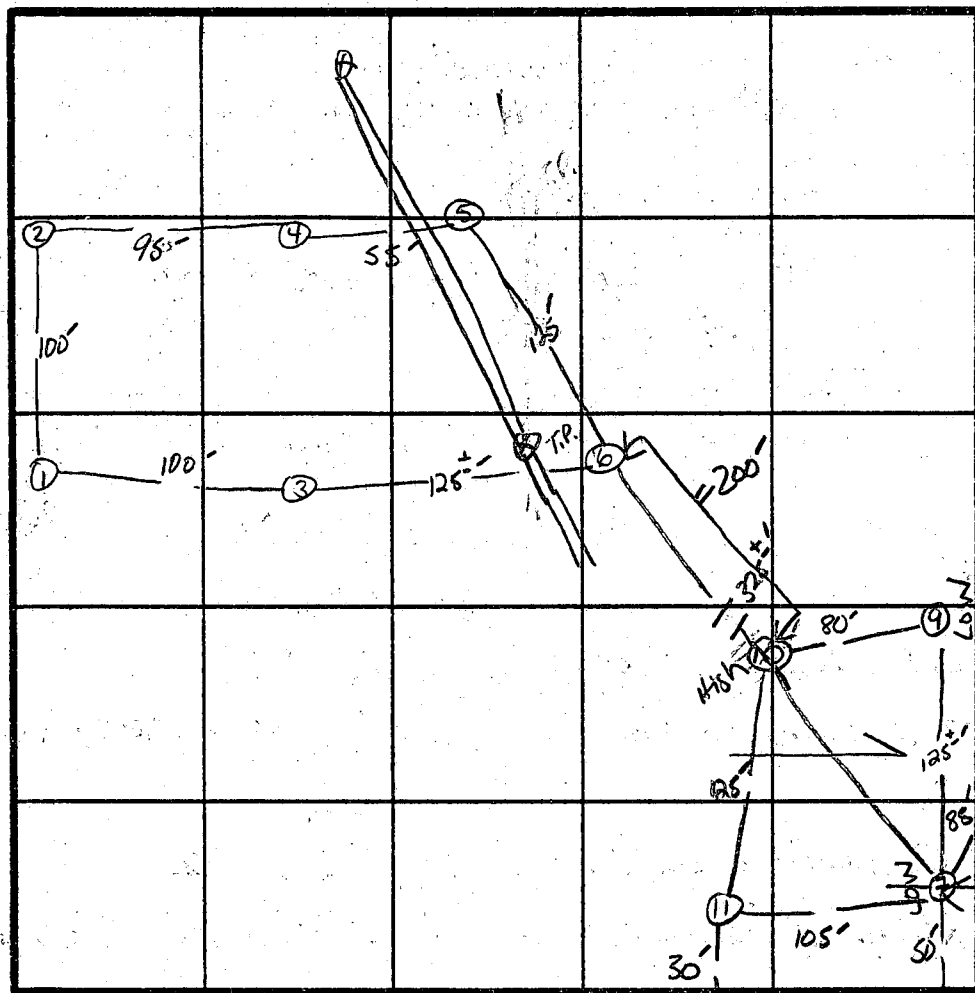
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12-16-85 PERC SATISFACTORY FOR SHALLOW SYSTEM ONLY; HOW
FOR CERTIFIED hole LOCATION HOUSE & WELL SITE; S. A. H.

THIS IS NOT A PERMIT

T.P. = Telephone Pole / electric Pole + LINES



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
ROW

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
12/14/85	7 S	5'	1:47	1:53	1:53	2:00	7 min
	7 M	8'	1:45	1:50	1:50	2:01	11 min
	7 V	14'	See Profile - VARYING SOIL STRUCTURE				
	9 S	4.5'	2:17	2:25	2:25	2:50	25 min
	9 M	8'	2:13	2:15	2:15	2:19	4 min
	9 V	13'	See Profile VARYING STRUCTURE				
	10 S	3'	2:46				
	10 M	7'	2:41:30	2:42:45	2:42:45	2:45:30	3.75 min
	10 V	11'	MASSIVE SANDSTONE 9' STRUCTURED 11' See Post.				
	11 S	4'	3:12	3:17	3:17	3:24	7 min
	11 M	7'	3:09	3:20	3:20	3:40	20 min
	11 V	13'	See Profile VARYING STRUCTURE				

HOLES 3, 5, 6 UNSUITABLE TO TEST DEEP CLAY - ABANDONED; HOLES 1, 2, 4 QUESTIONABLE AS TO SUITABILITY ABANDONED FOR NEW AREA - DID NOT WANT TO MOVE ANY FURTHER TO RIGHT OF #1

REMARKS: See NEXT PAGE FOR PROFILES - PER AREA DIFF. THAN PLAT. S. Abel

TYPE OF SOIL: ME ACRY, Shallow SYSTEM Only

TESTED BY: S. Abel

ALSO PRESENT: RICE, WARRIE, Arnold BREWER

SOIL PROFILE

①
12" AP
RED YELLOW CLAY LOAM 40-60% FRAGMENTS
5' Yellow BR SAND CLAY LOAM 40-60% FRAGMENTS
8' Yellow BR SAND LOAM 10-20% FRAGMENTS
12"

②
12" AP
Yellow BL CLAY LOAM 40-60% FRAGMENTS
5' Yellow BR SAND CLAY LOAM 40-60% FRAGMENTS
7' Yellow BR SAND LOAM 10-20% FRAGMENTS
12"

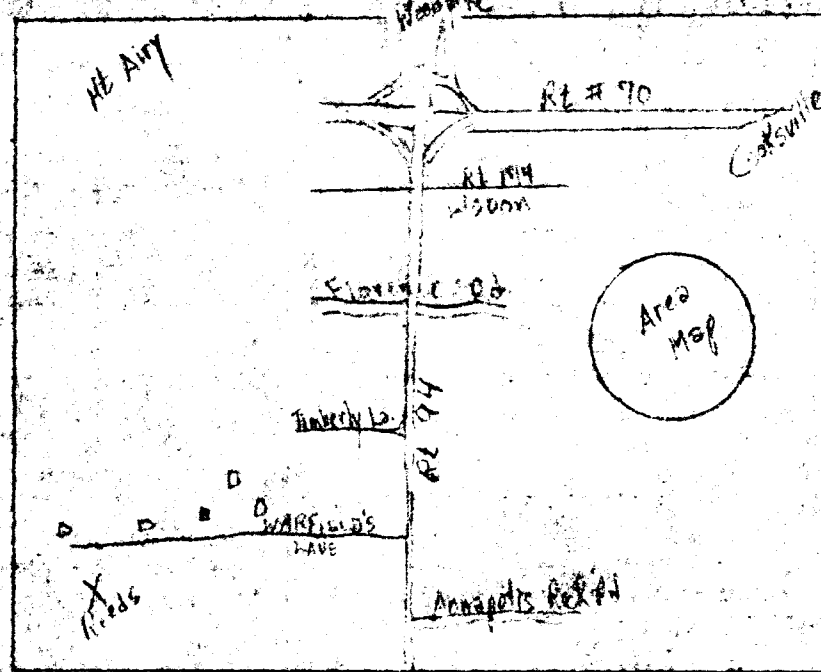
③
12" AP
Yellow RED CLAY LOAM 40-60% FRAGMENTS
6' Yellow BR SAND CLAY LOAM 10-20% FRAGMENTS
8' Yellow BL SAND LOAM 20-30% FRAGMENTS
13"

⑤
12" AP
RED BROWN CLAY LOAM 10-20% FRAGMENTS
9' Limiting ZONE

⑥
12" AP
RED BROWN CLAY LOAM 40-60% FRAGMENTS
4' Yellow RED w/WHITE BR. CLAY LOAM 10-20% FRAGMENTS
9' Red BROWN CLAY LOAM SHALE FRAGMENTS 750%
Limiting ZONE

⑦
12" AP
Yellow BL CLAY LOAM 40-60% FRAGMENTS
8' Yellow RED CLAY LOAM 10-30% FRAGMENTS
Limiting ZONE

⑧
12" AP
Yellow RED CLAY LOAM 20-30% FRAGMENTS
5' FRAGMENTS 750% LARGE ROCK BOTTOM
7'



③ Olive Warfield

⑥ Olive Warfield

⑤ Crusenberry

House out in 502.8' ^{el}
 S. Tank in 502.5'
 S. Tank out 502.25'
 Trench in 502.0'
 Grade - 505.5'
 JHL 2/4/86

Lot ②
 5.136 Acres

Robert Reed

B.P. # 68548

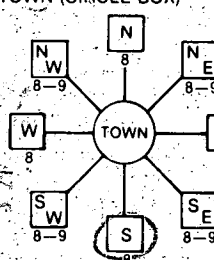
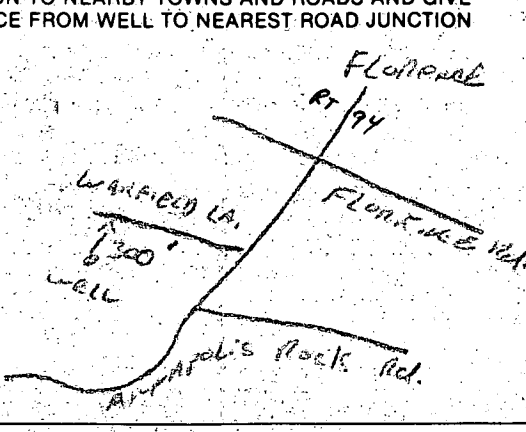
1" = 50'

Taken from Plat Survey
 of the
 Mabel C. Warfield Estate
 4th Election district of Howard County
 Woodbine Md.

Claude M. Skinner Jr. # 2227
 C 4009

by J.M.R. Scale: 1" = 50'
 Oct 23, 1985.

① G. Warfield

B 1 2218 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER 40-81-1293 fill in this form completely
Date Received 1/20/86 OWNER INFORMATION 15 Last Name: ROSE Owner: FEE First Name: HOCKE 36 Street or RFD: 404 N. MAIN ST 57 Town: MT AIDU 70 State: MD 72 Zip: 21251 76		B 3 LOCATION OF WELL 18 COUNTY: HOCKEY 21 23 SUBDIVISION: MARET WARFIELD AST 42 SECTION 44 46 LOT 48 50 52 NEAREST TOWN: FLORENCE 71 MILES FROM TOWN (enter 0 if in town) 2 MI 73 76 77 78	
DRILLER INFORMATION Driller's Name: Ralph MAYNE 77 License No. 80: 273 Firm Name: Ralph MAYNE (well DRILLING) Address: 9120 Brown Church Rd. Mt. Airy Signature: Ralph Mayne Date: 12/27/85		B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  8-9 11 NEAR WHAT ROAD: WARFIELD LANE 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  34 37 DISTANCE FROM ROAD: 200 ENTER FT or MI: F 38 39	
B 2 WELL INFORMATION 1 APPROX. PUMPING RATE (GAL. PER MIN.) 5 2 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME: Howard COUNTY NO.: 4-31-211 OEP SIGNATURE: [Signature] DATE ISSUED: 1/10/86 CO SIGNATURE: [Signature] EXP. DATE: 07-19-86 NORTH GRID: 531000 EAST GRID: 071200 50 55 57 63	
USE FOR WATER (CIRCLE APPROPRIATE BOX) ☒ D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) ☐ F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) ☐ I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) ☐ P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) ☐ T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 760 2 N 530 1 000 000	
APPROXIMATE DEPTH OF WELL 150 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6" INCH NEAREST INCH		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
METHOD OF DRILLING (circle one) BORED (or Augered) JETTED Jetted & DRIVEN 36 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary) 37 CABLE REVERSE-ROTARY DRIVE-POINT other		REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX) ☒ N THIS WELL WILL NOT REPLACE AN EXISTING WELL ☐ Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 ☐ S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY ☐ D THIS WELL WILL DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52	
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER 54 GAP 63 FORCE 67 68 WRITE INITIALS IN BOX PERMIT NO. 40-81-1293 70 71 72 73 74 75 76 77 78 79		SPECIAL CONDITIONS	

1/20/86
(PSW)

120 sample taken H9604
63 ft casing
> 50 ft annular space
grouting started 10 Am (15 min to ground)
15 bags cement

Storage Volume

120 min
3 gpm

360 / 2 hr
+ 90 (1 kg per ft)

450

after 1015 reading had water level drawn down to verify sufficient storage vol.

360 90
135 1.5

495 450

495 - 450 = 45 extra still available

well location as per plat plan
(casing 200 per field)

C1 00834
(THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDS)

SEQUENCE NO.
(OEP USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.

COUNTY
NUMBER A-36311

DATE Received

8 13

DATE WELL COMPLETED

012086

Depth of Well

22 225 26
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

H0-X1-1793

OWNER ROSEN STEEL HOKE
STREET OR RFD WARFIELD LANE first name TOWN FLORENCE
SUBDIVISION MABEL WARFIELD ESTATES SECTION LOT 2

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS
PENETRATED, THEIR COLOR, DEPTH,
THICKNESS AND IF WATER BEARING

DESCRIPTION (Use
additional sheets if needed)

FEET

FROM TO

Check
if water
bearing

Top Soil 0 2
Brown Shale 2 50 ✓
Brown Slate 50 55
Blue Slate 55 70
Brown Slate 70 75 ✓
Blue Slate 75 225

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

yes no
Y N
44 44

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 15 NO. OF POUNDS 1500

GALLONS OF WATER 90

DEPTH OF GROUT SEAL (to nearest foot)

from C ft. to 20 ft.
(enter 0 if from surface)

casing
types
insert
appropriate
code
below

CASING RECORD

STEEL CONCRETE
PLASTIC OTHER

MAIN Nominal diameter Total depth
CASING top (main) casing of main casing
TYPE (nearest inch) (nearest foot)

ST 6 63 70

OTHER CASING (if used)

diameter depth (feet)
inch from to

EACH CASING

screen type
or open hole
insert
appropriate
code
below

STEEL BRASS OPEN HOLE
PLASTIC OTHER

C2

DEPTH (nearest ft.)

1 H0 61 225
2
3
EACH SCREEN

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH)

GRAVEL PACK from to

IF WELL DRILLED WAS
FLOWING WELL INSERT
F IN BOX 68

OEP USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) WQ
70 72 74 75 76
TELESCOPE LOG OTHER DATA
CASING INDICATOR

C3

PUMPING TEST

HOURS PUMPED (nearest hour) 8

PUMPING RATE (gal. per min. to nearest gal.) 3

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 40

WHEN PUMPING 100

TYPE OF PUMP USED (for test)

A air P piston T turbine
C centrifugal R rotary O other (describe below)
J jet S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION
MUST BE COMPLETED FOR ALL WELLS
EXCEPT HOME USE
TYPE OF PUMP INSTALLED
PLACE (A,C,J,P,R,S,T,O)
IN BOX - SEE ABOVE:

CAPACITY:
GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

above } LAND SURFACE
below } 2 (nearest foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS
BUILDING, SEPTIC TANKS, AND/OR
LANDMARKS AND INDICATE NOT LESS
THAN TWO DISTANCES
(MEASUREMENTS TO WELL)

well
drive way
200'
prop line

CIRCLE APPROPRIATE LETTER
A A WELL WAS ABANDONED AND SEALED
WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION
WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN
ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION"
AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE
ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION
PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST
OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 273

DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)

SITE SUPERVISOR (sign. of driller or journeyman
responsible for sitework if different from permittee)