

B 1 2544 SEQUENCE NO.
(DP USE ONLY)STATE OF MARYLAND
PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-88-0065

fill in this form completely

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

3201

please print or type

Date Received (APA)

07/26/88

OWNER INFORMATION

SPRING HILL ASSOCIAT

15 Last Name 34 First Name

1423 RT 32

SYKESVILLE MD 21784

57 Town 70 State 72 Zip 76

DRILLER INFORMATION

George F. Easterday

40

Driller's Name

77 License No. 80

L. Franklin Easterday, Inc.

Firm Name

9265 Brown Church Rd., MT. Airy, Md. 21771

Address

George F. Easterday

7-20-88

Signature

Date

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED
(GAL. PER DAY) 500

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)

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- ☒ BORED (or Augered) ☐ JETTED ☐ Jetted & DRIVEN
- ☒ AIR-ROTARY ☐ AIR-PERCUSION ☐ ROTARY (Hydraulic Rotary)
- ☐ CABLE ☐ REVERSE-ROTARY ☐ Drive-POINT

other

REPLACEMENT OR DEEPEMED 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
- ☒ S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
- ☐ D THIS WELL WILL DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED
(IF AVAILABLE) 41

Not to be filled in by driller (OEP USE ONLY)

APPROP. PERMIT NUMBER 79F 52

FORCE 2 INITIALS PERMIT NO. HO-88-0065

SPECIAL CONDITIONS TIED TOGETHER W/ ORIG WELL (HO 812487)

B 3

LOCATION OF WELL

HOWARD

8 COUNTY

MEADOWOOD

23 SUBDIVISION

SECTION 1

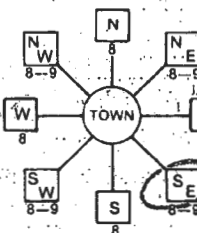
LOT 9

SYKESVILLE

52 NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) 6 M 1

B 4

DIRECTION OF WELL FROM
TOWN (CIRCLE BOX)

SHADY CREEK CT.

HENRYTON RD.

NEAR WHAT ROAD

ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)

NORTH

WEST

EAST

SOUTH

DISTANCE FROM ROAD 210

ENTER FT or MI FT

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD

COUNTY NAME

A38116

COUNTY NO.

STATE

SIGNATURE

INSERT S

DATE ISSUED

07/15/88

CO SIGNATURE

B N yon

NORTH

GRID

549000

EAST

GRID

0821000

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 820 1

N 540 9

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN
RELATION TO NEARBY TOWNS AND ROADS AND GIVE
DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

N SYKESVILLE

32

HENRYTON RD.

RT 99

12345678910111213141516171819202122232425262728293031323334353637383940

C1

2550

SEQUENCE NO.
(DENY USE ONLY)

12345678910111213141516171819202122232425262728293031323334353637383940

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

12345678910111213141516171819202122232425262728293031323334353637383940

COUNTY
NUMBER

A38116

12345678910111213141516171819202122232425262728293031323334353637383940

DATE Received

DATE WELL COMPLETED

072088

Depth of Well

440

(TO NEAREST FOOT)

12345678910111213141516171819202122232425262728293031323334353637383940

OWNER

SPRING HILL ASSOC

last name

first name

TOWN

SYKESVILLE

12345678910111213141516171819202122232425262728293031323334353637383940

STREET OR RFD

11111111

SECTION

LOT

9

12345678910111213141516171819202122232425262728293031323334353637383940

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

Clay

2

4

Shaley

4

12

Sand Stone

12

35

Mica

35

45

Sand Stone

45

90

Mica

90

100

Flint

202

205

Mica

105

440

OR

✓

12345678910111213141516171819202122232425262728293031323334353637383940

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT

BENTONITE CLAY

NO. OF BAGS

14

NO. OF POUNDS

1400

GALLONS OF WATER

70

DEPTH OF GROUT SEAL (to nearest foot)

from

ft.

to

ft.

TOP

52

BOTTOM

58

(enter 0 if from surface)

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CASING RECORD

casing
types
insert
appropriate
code
below

ST

CO

STEEL

CONCRETE

PL

OT

PLASTIC

OTHER

MAIN CASING TYPE

Nominal diameter
top (main) casing
(nearest inch)

6

Total depth
of main casing
(nearest foot)

44

OTHER CASING (if used)

diameter
inch

depth (feet)
from

to

12345678910111213141516171819202122232425262728293031323334353637383940

SCREEN RECORD

screen type
or open hole

insert
appropriate
code
below

ST

BR

HO

STEEL

BRASS

OPEN
HOLE

BRONZE

PL

OT

PLASTIC

OTHER

DEPTH (nearest ft.)

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

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12345678910111213141516171819202122232425262728293031323334353637383940

GRAVEL PACK

IF WELL DRILLED WAS
FLOWING WELL INSERT
FILL BOX 68

TELESCOPE-
CASING

LOG
INDICATOR

OTHER DATA

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PUMPING TEST

HOURS PUMPED (nearest hour)

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

METHOD USED TO
MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test)

A

P

T

air

piston

turbine

C

R

O

centrifugal

rotary

other
(describe
below)

J

S

jet

submersible

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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)

LAND SURFACE

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)

12345678910111213141516171819202122232425262728293031323334353637383940

NOTE:
1/2 GPM

12345678910111213141516171819202122232425262728293031323334353637383940

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.

DRILLERS SIGNATURE

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

12345678910111213141516171819202122232425262728293031323334353637383940

WQ

74

75

76

12345678910111213141516171819202122232425262728293031323334353637383940

COUNTY

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 88 - 0065
Location of property (road) SHADY CREEK, CT.
Subdivision MEADOWOOD Lot Block Plat Sec.
Well Driller GEORGE EASTERDAY Owner ASSOC., SPRING HILL

Location of property (road) SHADY CREEK CT

Subdivision MEADOWS Lot 9 Block Plat Sec

Well Driller GEORGE EASTERDAY Owner ASSOC., SPRING HILL

Depth of well 440'
Distance of measuring point (M.P.) above ground 1'
Static water level (S.W.L.) below M.P. 59

Distance of measuring point (M.P.) above ground

Static water level (S.W.L.) below M.P.

I. High rate pumping -- reservoir drawdown

Time pump started 8:15 a Pumping rate 10 gpm
Total time to reach pumping water level ft. 80 below M.P.

Total time	to reach pumping water level	ft. Below M.P.
------------	------------------------------	----------------

II. Recovery pump test data - observations to be recorded every 15 minutes

[illegible]

AT

NOTE: 11¹⁵ reading also
took static level of oil
well (40.5)

Reading was 53°

12¹⁵ on reading 54¹

N1585 - sample

looks OK

final level
53'

orig static level was 52'
appears separate H₂O pockets

FIELD DATA SHEET
HYDROGEOLOGIC AREA (1) WELL YIELD TESTMaryland Well Permit No. HO 88 0065 Election District well # 2Location of Property (road) Hennington RdSubdivision Meadowood Lot 9 Block Plat Sec. Well Driller Eastwold Owner Spring Hill AssocDepth of Well 440Distance of Measuring Point (M.P.) above ground 1 ftStatic Water Level (S.W.L.) below M.P. 59 ft

I. High Rate Pumping -- reservoir drawdown

Time pump started 8:15Pumping rate 10 gpmTotal time 30 min to reach pumping water level ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes.

TIME	WATER LEVEL Below M.P.	PUMPING RATE Time to fill <u>1</u> gal. bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per min.)
8:15	200'	1 min 25 sec		
9:00	202'	1 min 25 sec	at 360'	
9:15	203'	1 min 25 sec	H. H. H.	
9:30	204'	1 min 40 sec		
9:45	205'	1 min 40 sec		
10:00	205'	1 min 40 sec		
10:15	206'	1 min 40 sec		
10:30	206'	1 min 40 sec		
10:45	207'	1 min 45 sec		
11:00	207'	2 min 40 sec		
11:15	206'	2 min 40 sec		
11:30	205'	1 min 55 sec		
11:45	206'	1 min 55 sec		
12:00	206'	1 min 55 sec		
12:15	206'	1 min 55 sec		
12:30	206'	1 min 55 sec		
12:45	206'	1 min 55 sec		
1:00	206'	1 min 55 sec		
1:15	206'	1 min 55 sec		
1:30	206'	1 min 55 sec		
1:45	206'	1 min 55 sec		
2:00	207'	1 min 55 sec		
2:15	206'	1 min 55 sec		
2:30	206'	1 min 55 sec		