C 1 4414 SEQUENCE NO. (OEP USE ONLY)

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

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 A28437

DATE Received

DATE WELL COMPLETED 111783

Depth of Well 160 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" H0-81-0296

OWNER White (last name) John (first name)

STREET OR RFD McKendree Road TOWN Cooksville

SUBDIVISION Richard M. Hough property 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	FEET TO	Check if water bearing
Topsoil	0	2	
Br. Mica	2	46	✓
Lt Br. Mica	46	77	✓
Gray Mica	74	82	
Lt. Br. Mica	82	84	✓
Gray Mica	84	160	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) yes (Y) no N

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 14 NO. OF POUNDS 1400

GALLONS OF WATER 75

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 18 ft. (enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below

ST STEEL CO CONCRETE PL PLASTIC OT OTHER

MAIN CASING TYPE ST | Nominal diameter top (main) casing (nearest inch) 6 | Total depth of main casing (nearest foot) 63

OTHER CASING (if used) EACH CASING — diameter inch | depth (feet) from | to

SCREEN RECORD
screen type or open hole insert appropriate code below

ST STEEL BR BRASS BRONZE HO OPEN HOLE PL PLASTIC OT OTHER

C 2

EACH SCREEN — DEPTH (nearest ft.)

1: 40 | 61 | 160

2:

3:

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

C 3

PUMPING TEST
HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min. to nearest gal.) 12

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 21

WHEN PUMPING 50

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 (CIRCLE) (YES or NO) 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 / − below LAND SURFACE 2 (nearest foot)

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. 40

George H. Easterday

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

Wesley R. Bright

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

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

T (E.R.O.S.) WQ

TELESCOPE CASING | LOG INDICATOR | OTHER DATA

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)

N

well ← 150' →

25'

McKendree Rd.

R lot line

HEALTH

EMERGENCY/TEMP NO. IF ANY

B 1 1366 SEQUENCE NO. (OEP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND PERMIT TO DRILL WELL

please print or type

OEP PERMIT NUMBER H0-81-0296
fill in this form completely

Date Received 09 14 83 (8–13)

11/15/83 30 gpm

OWNER INFORMATION

WHITE JOHN (15 Last Name, Owner, First Name 34)

1124 DORCHESTER AVE (36 Street or RFD 55)

BALTIMORE MD 21207 (57 Town, 70 State 72, Zip 76)

DRILLER INFORMATION

GEORGE F. EASTERDAY (Driller's Name) 40 (77 License No. 80)

L. F. EASTERDAY, INC. (Firm Name)

9265 BROWN CHURCH ROAD, MT. AIRY, MD. 21771 (Address)

George F. Easterday 9/12/83 (Signature, Date)

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5 (8–12)

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 (14–20)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
- F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- 22 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 (24–28)

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
37 CABLE REVerse-ROTary DRive-POINT

other

REPLACEMENT OR DEEPENED 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 DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) 41 (52)

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

APPROP. PERMIT NUMBER GAP (54–63)

FORCE FS (67 68) WRITE INITIALS IN BOX PERMIT No. H0-81-0296 (70 71 72 73 74 75 76 77 78 79)

B 3 LOCATION OF WELL

HOWARD (8 COUNTY 21)

RICHARD M HOUGH PROP (23 SUBDIVISION 42)

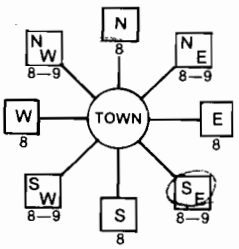
SECTION (44 46) LOT 2 (48 50)

COOKESVILLE (52 NEAREST TOWN 71)

MILES FROM TOWN (enter 0 if in town) 1 (73 76) MI (77 78)

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



McKENDREE ROAD (11 NEAR WHAT ROAD 30)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N, WEST W, 32 E EAST, S SOUTH

34 50 37 DISTANCE FROM ROAD

ENTER FT or MI FT (38 39)

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

HOWARD (COUNTY NAME) A28437 (COUNTY NO.)

OEP SIGNATURE STATE HEALTH INSERT S (41)

DATE ISSUED 101383 (43–48) Frank Shum (CO SIGNATURE) 4/13/83 (EXP. DATE)

NORTH GRID 537000 (50–55) EAST GRID 0799000 (57–63)

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

LOCATION OK
63' CASING
1' ABOVE GR
15' OPEN
30' JETTED OPEN
14+ BAGS CEMENT
000 11-15-83 C Williams
000

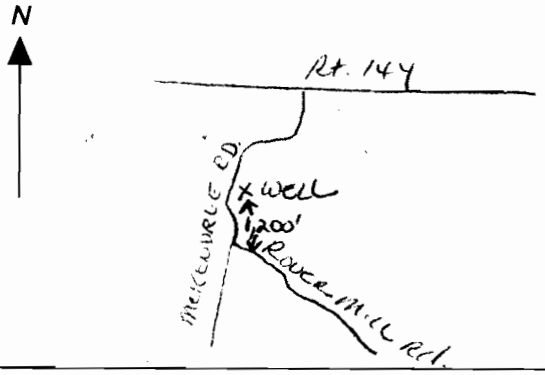
X WELL

SOURCES OF DRILLING WATER
1. WELL
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 790 9
N 530 7

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



SPECIAL CONDITIONS

HEALTH

Page 1 of ____

Review 11/23/83 OK RS.

7:00 Am.
11/19/83

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0296
Location of property (road) McKendree Rd.
Subdivision Richard M. Hough Property Lot 2 Block ____ Plat ____ Sec. ____
Well Driller George Eastevlay Owner John White

Depth of well 1100 ft. 206 m
Distance of measuring point (M.P.) above ground 18"
Static water level (S.W.L.) below M.P. 21'

I. High rate pumping -- reservoir drawdown
Time pump started 7:00 Pumping rate 12 G.P.M
Total time ____ to reach pumping water level ____ ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes P 140'

TIME (in 15 minute intervals	WATER LEVEL below M.P.	PUMPING RATE time to fill 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:00	21'	5 sec		12 G.P.M
7:15	41' 8"	5 sec		12 G.P.M
7:30	46'	5 sec		12 G.P.M
7:45	47' 7"	5 sec		12 G.P.M
8:00	48' 7"	5 sec		12 G.P.M
8:15	49'	5 sec		12 G.P.M
8:30	49' 3"	5 sec		12 G.P.M
8:45	49' 8"	5 sec		12 G.P.M
9:00	49' 9"	5 sec		12 G.P.M
9:15	50'	5 sec		12 G.P.M
9:30	50'	5 sec		12 G.P.M
9:45	50'	5 sec		12 G.P.M
10:00	50'	5 sec	Bruce	12 G.P.M

11/17/83 - Pump test to begin at 7:00 A.M. - 3 hrs.

Page 1 of ____ Well was grouted on 11/15/83. Review ____

Date 11-17-83

H9456

C Williams

FIELD DATA SHEET

HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0296

Location of property (road) Mc Kendree Road

Subdivision ____ Lot 2 Block ____ Plat ____ Sec. ____

Well Driller George F. Easterday Owner John White

Depth of well 160'

Distance of measuring point (M.P.) above ground 18"

Static water level (S.W.L.) below M.P. 21'

I. High rate pumping -- reservoir drawdown

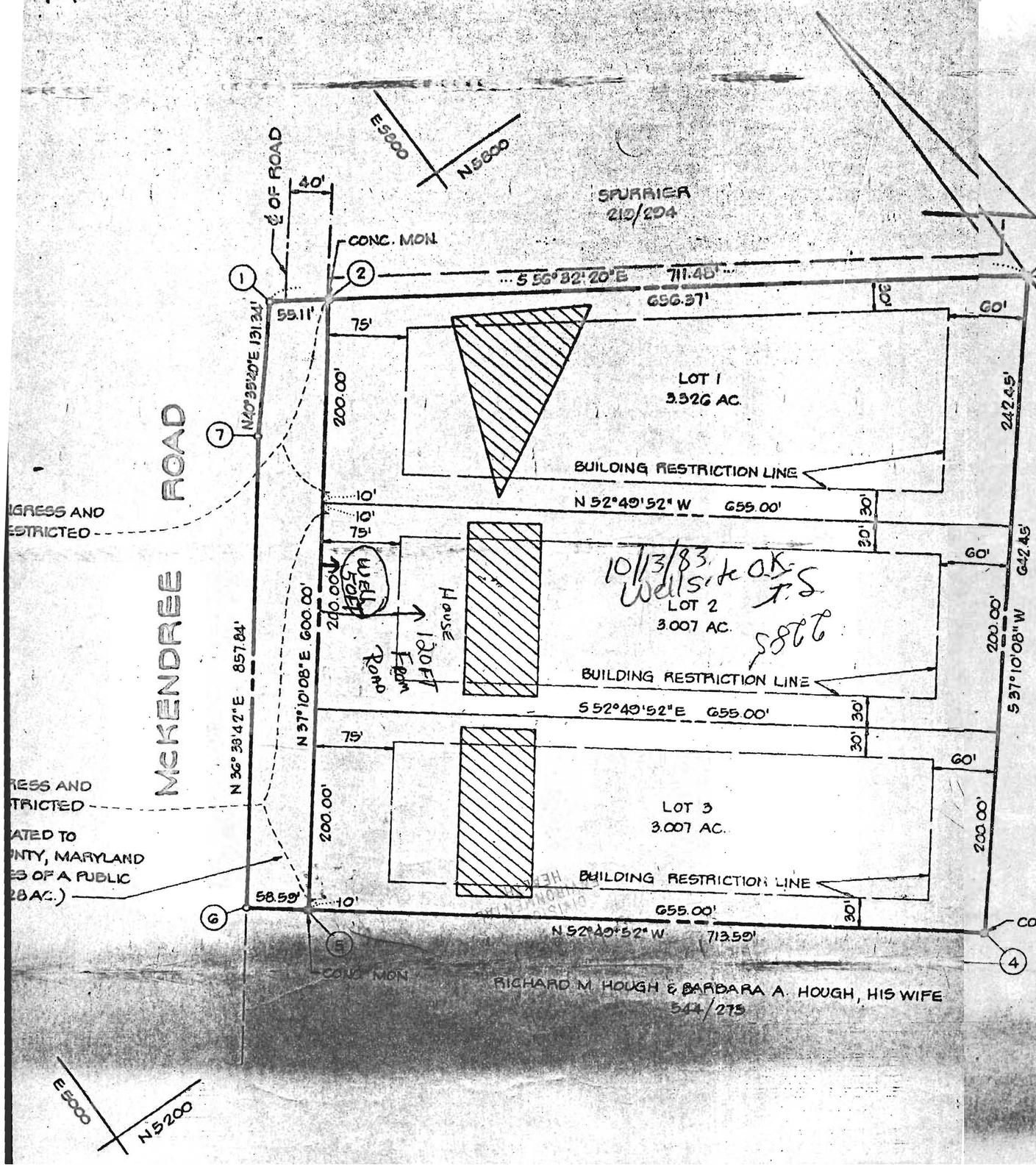
Time pump started 7:00 Pumping rate 12 GPM

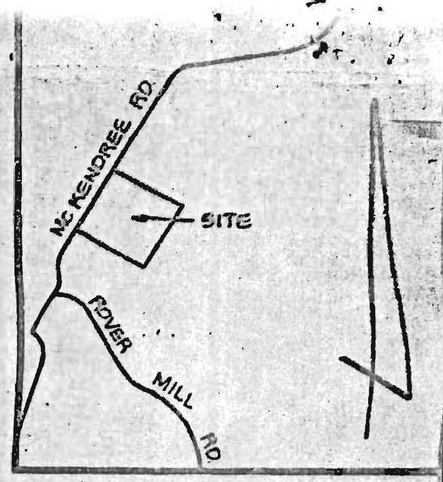
Total time 1 HR to reach pumping water level 49 ft. below M.P.

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

TIME (in 15 minute intervals	WATER LEVEL below M.P.	PUMPING RATE time to fill ~~5~~ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:45	50	5 sec		12 GPM

PETITION NO. _____





VICINITY MAP

SCALE: 1"=1200'

RICHARD M. HOUGH & BARBARA A. HOUGH, HIS WIFE
544/275

GENERAL NOTES

1. TAX MAP: 14 PART OF PARCEL 54
2. DEED REFERENCE: 544/275
3. COORDINATES SHOWN HEREON ARE BASED ON ASSUMED DATUM.
4. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.
5. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF APPROXIMATELY 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE AND SERVICING ANY RESIDENTIAL STRUCTURES CONSTRUCTED ON THESE BUILDING SITES. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM.
6. ALL PERCOLATION TEST HOLES SHOWN HEREON HAVE BEEN FIELD LOCATED.
7. PLAT SUBJECT TO V.F. Received for Transfer

HOWARD COUNTY

Charles R. Dake

Transfer Clerk

Date 12/12/78 Plat

OWNER / DEVELOPER

RICHARD M. HOUGH
C/O PALLADI REALTY
MD RTE. 144 AND MD. RTE. 94
LISBON, MD. 21765