

3/27/85
A.M.

Approved
3-23-85
S.M.

PERMIT

P 35755
A 25582

SEWAGE DISPOSAL SYSTEM
MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

ELLICOTT CITY
DISTRICT 5th
DATE 3/18/85

INDEXED
05-375665

Claude Cissel IS PERMITTED TO INSTALL ALTER
ADDRESS 14079 Brighton Dam Road, Clarksville, Maryland 21029 PHONE 854-2006
SUBDIVISION _____ ROAD 7370 Guilford Road LOT _____
PROPERTY OWNER Gary L. & Sally B. Grantham # 531-3292
ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 5

TRENCHES - 205 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 5 feet below original grade. Bottom maximum depth ~~10~~ feet below original grade. Effective area begins at 5 feet below original grade. 5 feet of stone below distribution pipe. LOCATION: Start the trench 95 feet from left sideline and 345 feet from rear lot line as seen when facing the lot from Route 32. TOTAL LINEAR FEET OF TRENCH 171 feet.

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

B.P. 11/07 dubs ②
app. 4-16-87

PLANS APPROVED BY Palmer Wide/Frank Skinner DATE 6/22/77 - 7/16/84

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.

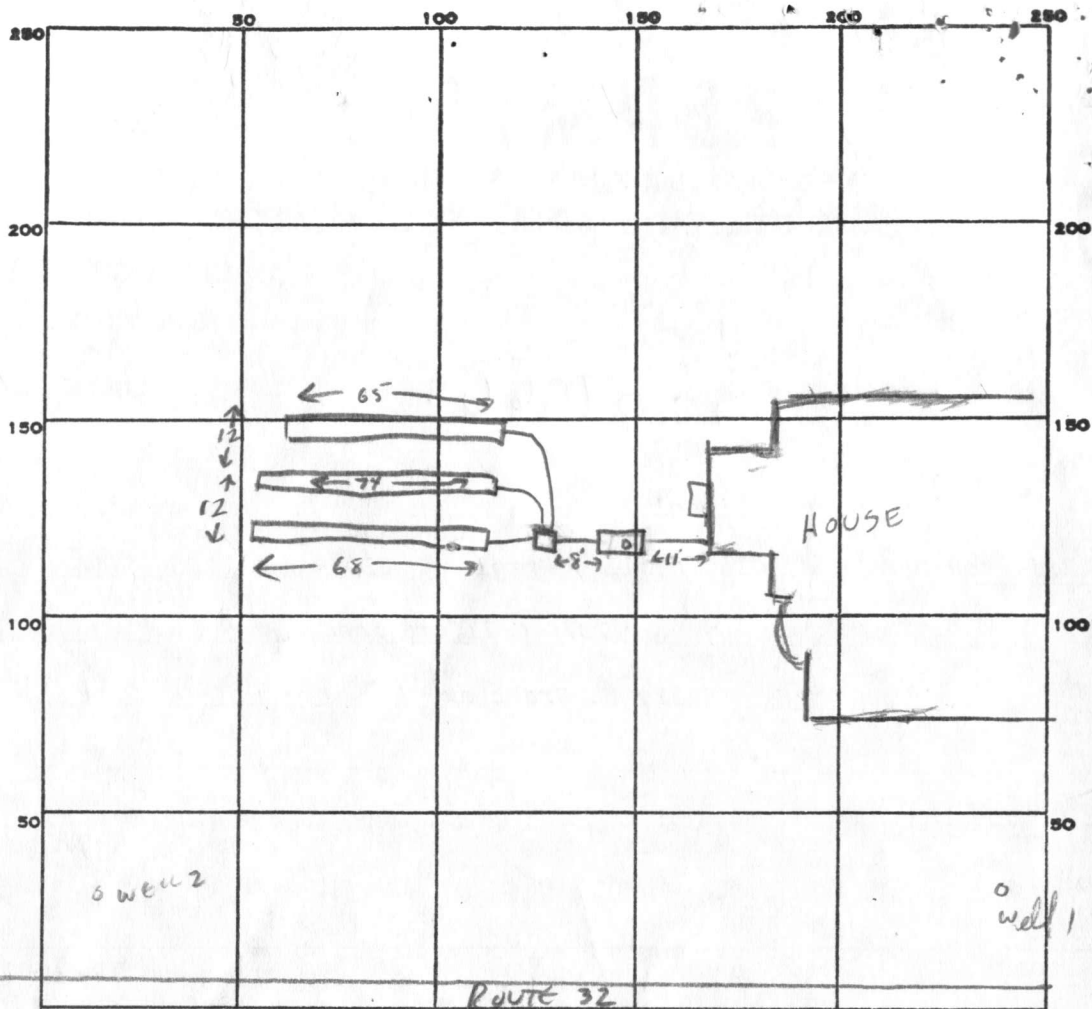
55
74
68
197

A 25582

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT**

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082



PERMIT CARD

SEPTIC TANK, LEVEL

CLEANOUTS ST

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH 10 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 5 FT IN. TOTAL LENGTH 207 FT.

NUMBER OF TRENCHES 3(65+74+68) ONE SIDEWALL TOTAL BOTTOM AREA 1035

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

ABSORBENT AREA 1035 SQ. FT.

REMARKS 3/27/85 TOP TRENCH NEEDS STONE. ALL OTHER WORK COMPLETE. CW

3-28-85 OK TO COVER ALL WORK SA

DATE SYSTEM APPROVED 3-28-85

INSPECTOR SAHR

PRELIMINARY

APPLICATION

A 25582

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 5th

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DATE 4/6/77

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 Paul Bauman property

Any questions call Mr. Snovell

ADDRESS 4811 Nebraska Ave., Washington, D.C. 20016 PHONE 465-8518

PROPERTY LOCATION: Gary L. + Sally B. Grantham
7944 Oakwood Road
Glen Burnie, Md 21061

SUBDIVISION _____ LOT NO. 1

ROAD AND DESCRIPTION 6780 Pindell School Road 7370 Guilford Rd.

SIZE OF LOT 2.89 acres m/1 TYPE BLDG. 3 or 4 bedrooms
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

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

SIGNATURE OF APPLICANT /s/ Ted Snovell

APPROVED BY Dale E. Winn FOR _____ DATE 6/22/77
(KIND OF SYSTEM)

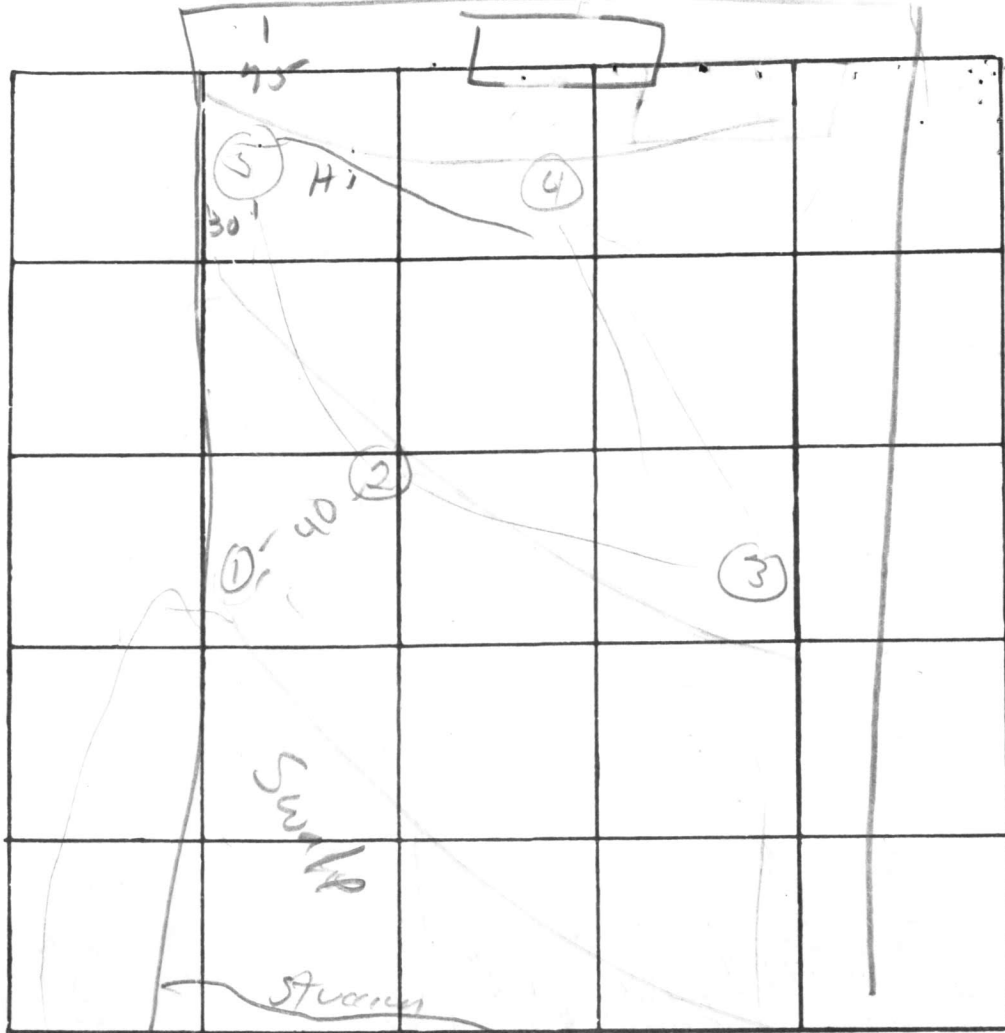
REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED
AND RETURNED 10/2/84
Serial # 60957 JFD-

System First
THIS IS NOT A PERMIT



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/9/41	1s	W 10'	sand	3-10'			
	3s	3'	2 21	2 30	2 30	2 42	12
	d	13'	2 40	2 45	2 45	3 02	14
	2s	4'	2 49	3 00	3 00	3 15	15
	q	12'	2 49	3 00	3 00	3 15	15
	5s	5'	2 56	3 02	3 02	3 14	12
	d	13'	3 00	3 10	3 10	3 20	10
	4	Visual	3-12'				04

15 ft

REMARKS e estimates had to log at 310 - was.

TYPE OF SOIL pokey well

TESTED BY D. McMill

ALSO PRESENT: Robinson

Snovall



MARYLAND DEPARTMENT OF THE ENVIRONMENT
2500 Broening Highway • Baltimore, Maryland 21224
(410) 631-3000

Parris N. Glendening
Governor

Jane T. Nishida
Secretary

February 27, 1997

GARY L. GRANTHAM
7370 GUILFORD ROAD
CLARKSVILLE, MD 21029

RE: State Water Appropriation
Permit No. H084G007(02)
Revision 02

Dear Permittee:

Enclosed is your State Water Appropriation Permit. The permittee is responsible for complying with all permit conditions. Accordingly, you are advised to carefully read the Permit and become thoroughly familiar with its requirements.

PLEASE NOTE THE CONDITION ON YOUR PERMIT REQUIRING WATER USED FOR A HEAT PUMP SYSTEM TO BE RETURNED TO THE AQUIFER FROM WHICH IT WAS WITHDRAWN.

If you have any questions, please contact this office at (410)631-3591.

Sincerely,

MARK T. FILAR
Water Rights Division

cc: HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH DEPT.
ENVIRONMENTAL HEALTH

1997 MAR 21 A 10:26

STATE OF MARYLAND
DEPARTMENT OF THE ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

WATER APPROPRIATION AND USE PERMIT

PERMIT NUMBER: HO84G007(02)

EFFECTIVE DATE: JULY 1, 1996

EXPIRATION DATE: JULY 1, 2008

FIRST APPROPRIATION: JULY 2, 1984



GARY L. GRANTHAM

HEREINAFTER REFERRED TO AS THE "PERMITTEE", IS AUTHORIZED BY THE WATER MANAGEMENT ADMINISTRATION, HEREINAFTER REFERRED TO AS THE "ADMINISTRATION" PURSUANT TO THE PROVISIONS OF TITLE 5 OF THE ENVIRONMENT ARTICLE, ANNOTATED CODE OF MARYLAND (1996 REPLACEMENT VOLUME) AS AMENDED, TO APPROPRIATE AND USE WATERS OF THE STATE SUBJECT TO THE FOLLOWING CONDITIONS:

1. ALLOCATION - THE WATER WITHDRAWAL GRANTED BY THIS PERMIT IS LIMITED TO:
A DAILY AVERAGE OF 3,000 GALLONS ON A YEARLY BASIS AND
A DAILY AVERAGE OF 5,000 GALLONS FOR THE MONTH OF MAXIMUM USE.
2. USE - THE WATER IS TO BE USED FOR A GROUNDWATER HEAT PUMP SYSTEM.
3. SOURCE - THE WATER SHALL BE TAKEN FROM FROM ONE WELL AND RETURNED BY ONE WELL IN THE LOWER PELITIC SCHIST OF THE WISSAHICKON FORMATION.
4. LOCATION - THE POINT(S) OF WITHDRAWAL SHALL BE LOCATED ON THE SOUTH SIDE OF ROUTE 32 WEST OF THE INTERSECTION OF ROUTE 32 AND PINDELL SCHOOL ROAD, APPROXIMATELY 2.5 MILES SOUTHEAST OF CLARKSVILLE, HOWARD COUNTY, MARYLAND.

CONTINUED ON PAGE 2

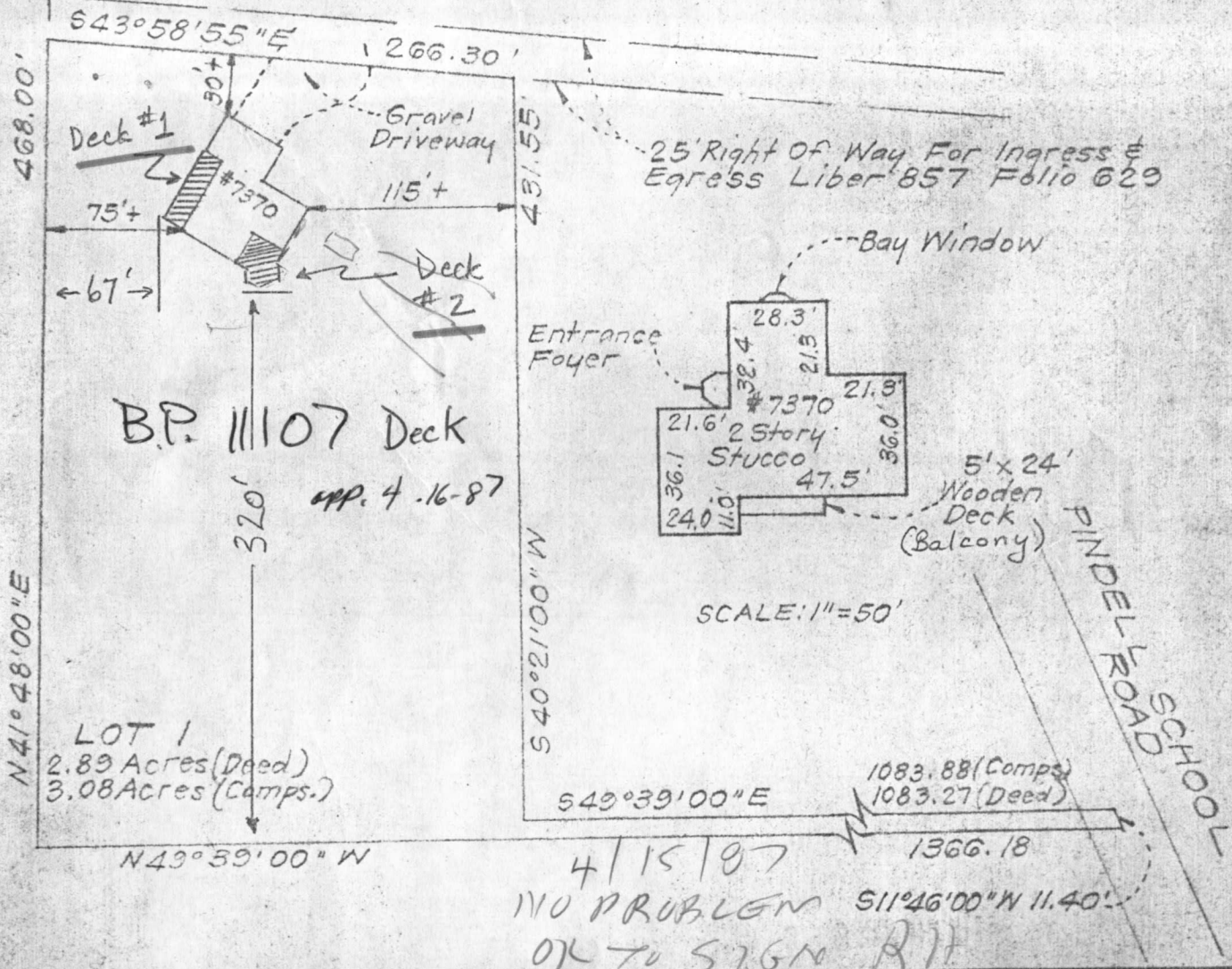
HOWARD CO. HEALTH DEPT.
ENVIRONMENTAL HEALTH

1997 MAR 21 A 10:26

Wall Check: 2-6-85
Footings and Foundation
Walls are in.
Final: 7-15-85

LOCATION OF HOUSE
7370 GUILFORD RD. RTE. 32
LOT 1
PAUL I. BAUMAN PROPERTY
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

NOTE:
1. LOT 1 is also known as
Parcel 317, Tax Map 35
2. Bearings and Distances
taken from Liber 714
Folio 586.



B.P. 11107 Deck
app. 4-16-87

LOT 1
2.89 Acres (Deed)
3.08 Acres (Comps.)

4/15/87
NO PROBLEM
OK TO SIGN AT
 $S11^{\circ}46'00''W$ 11.40'

PINDEL ROAD SCHOOL

SURVEYOR'S CERTIFICATE

I hereby certify that the position of all existing improvements on the above described property have been carefully established by a transit and survey and that unless otherwise shown there are no encroachments.

Donald P. Sackett
6059

CLARK • FINEFROCK & SACKETT

ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MD. 20904
TEL. NO 593-3400

REFERENCE	DRAWN BY KWC	CHECKED BY DBS
Liber 843 Folio 121	DATE 7-18-85 SCALE 1"=100'	FILE NO. 1927-K

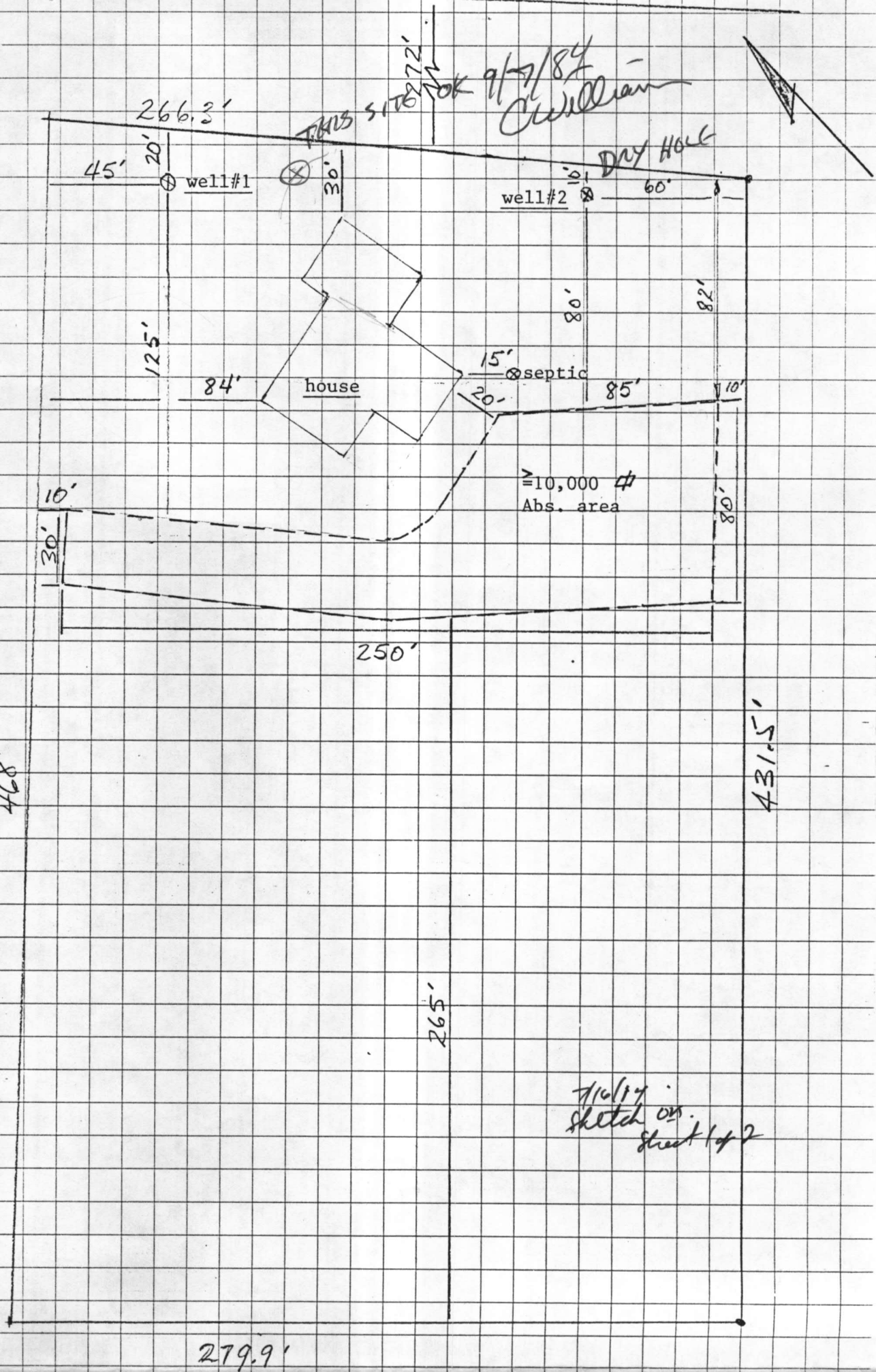
BRUNING 40-22 36166

RECEIVED
HOWARD COUNTY
HEALTH DEPT.

APR 9 9 21 AM '87

DIVISION OF
ENVIRONMENTAL
HEALTH

MD RT # 32



Gary L. Grantham
 Lot#1, parcel 317, tax map 35
 6780 Pindell School Road

scale 1"=50'

I certify the above measurements are actual and correct for this property.

Signed: *Gary L. Grantham*

G1 3338

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A 25582

DATE RECEIVED

DATE WELL COMPLETED 091084

DEPTH OF WELL 200 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-0656

OWNER GRANTHAM GARY last name first name STREET OR RFD 6780 PINDELL SCHOOL RD TOWN SIMPSONVILLE SUBDIVISION BAUMAN PROPERTY SECTION LOT 1

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

Table with 3 columns: Description, Feet From, Feet To. Rows include Topsoil, Mica (Gray), Br. Mica, Gray Mica, Tan Mica, H. Br. Mica, Gray Mica.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 7 NO. OF POUNDS 700 GALLONS OF WATER 35 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 55 ft.

CASING RECORD

MAIN CASING TYPE (ST) Nominal diameter top (main) casing (nearest inch) (60) Total depth of main casing (nearest foot) (59) OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD

screen type or open hole (HO) insert appropriate code below (ST) STEEL (BR) BRASS (PL) PLASTIC (HO) OPEN HOLE (OT) OTHER

C 2

DEPTH (nearest ft.) HO 57 200 E A C H S C R E E N 1 2 3 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to

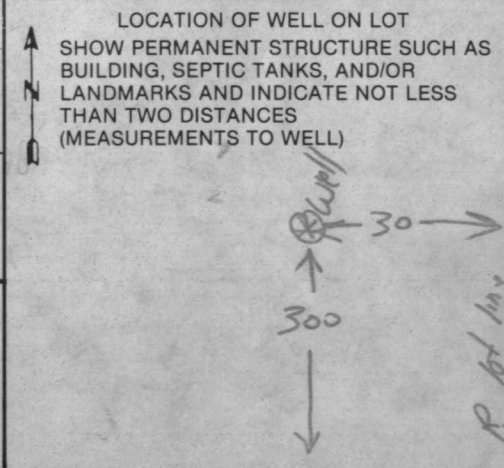
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (70) LOG CASING (72) (E.R.O.S.) WQ (74, 75, 76) OTHER DATA

C 3

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 10 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 45 WHEN PUMPING 200 TYPE OF PUMP USED (for test) Air (A) piston (P) turbine (T) centrifugal (C) rotary (R) other (O) jet (J) submersible (S)

PUMP INSTALLED DRILLER WILL INSTALL PUMP YES NO (CIRCLE) (YES or 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 (nearest foot) - below }



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. 41 L. Daniel Easterday DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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HOWARD COUNTY
HEALTH DEPT
ELICOTT CITY MD

SEP 26 10 10 AM '84

DIVISION OF
ENVIRONMENTAL
HEALTH

SEP 26 2 23 PM '84

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HOWARD COUNTY
HEALTH DEPT

[Handwritten notes and signatures, including a large signature that appears to be "John H. ..."]

[Faint, mostly illegible text and markings on the left side of the page, possibly bleed-through from the reverse side.]

C1 3339

SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A 25582

DATE RECEIVED

DATE WELL COMPLETED 09/11/84

DEPTH OF WELL 200 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-0657

OWNER GRANTHAM GARY last name first name STREET OR RFD 6780 PINDELL SCHOOL RD TOWN SIMPSONVILLE SUBDIVISION BANMAN PROPERTY SECTION LOT 1

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include Topsoil, Gray Mica, Br. Mica, etc.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 5 NO. OF POUNDS 500

CASING RECORD casing types insert appropriate code below (ST, CO, PL, OT) STEEL CONCRETE PLASTIC OTHER

MAIN CASING Nominal diameter top (main) casing of main casing TYPE (ST) diameter (nearest inch) Total depth of main casing (nearest foot) 21

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

SCREEN RECORD screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT) STEEL BRASS BRONZE PLASTIC OPEN HOLE OTHER

DEPTH (nearest ft.) 19 200

CIRCLE APPROPRIATE LETTER 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.

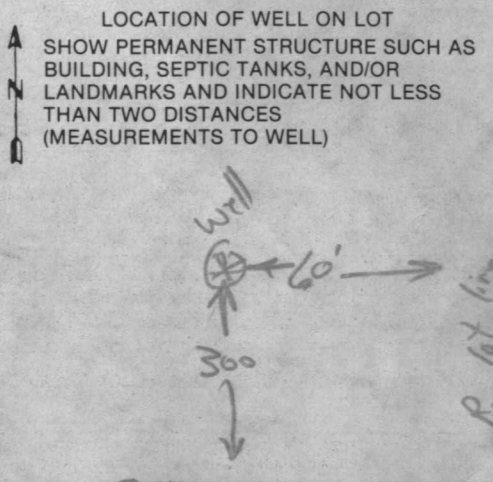
DRILLERS IDENT. NO. 41 L. Daniel Easterday DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 60 from to GRAVEL PACK 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 CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 10 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 26 WHEN PUMPING 39 TYPE OF PUMP USED (for test) 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) LAND SURFACE (nearest foot)



FIELD DATA SHEET
 COUNTY WELL YIELD TEST

Well Permit No. H6-81-0657 Election District _____
 Location of property (road) 6780 Pindel School Rd
 Subdivision Bauman Ridge Lot 1 Block _____ Plat _____ Sec. _____
 Well Driller Costello Owner Darryl Nathan

Depth of well 200
 Distance of measuring point (M.P.) above ground 24"
 Static water level (S.W.L.) below M.P. 26"

I. High rate pumping -- reservoir drawdown

Time pump started 11:15 Pumping rate 10.6 GPM
 Total time _____ to reach pumping water level _____ ft. below M.P.

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

Pipe 180'

TIME	WATER LEVEL below M.P.	PUMPING RATE time to fill 1 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
11:15	24'	6 sec		10.6 GPM
11:30	34'	6 sec		10.6 GPM
11:45	34' 8"	6 sec		10.6 GPM
12:00	34' 8"	6 sec		10.6 GPM
12:15	34' 9"	6 sec		10.6 GPM
12:30	34' 9"	6 sec		10.6 GPM
12:45	34' 10"	6 sec		10.6 GPM
1:00	35'	6 sec		10 GPM
1:15	35' 4"	6 sec		10 GPM
1:30	35' 10"	6 sec		10.6 GPM
1:45	36	6 sec		10 GPM
2:00	36' 5"	6 sec		10 GPM
2:15	36' 8"	6 sec		10 GPM

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HOWARD COUNTY
HEALTH DEPT
ELICOTT CITY, MD

SEP 26 10 10 AM '84

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