

5-5-87
3:30 PM

5th

04-344677

PERMIT

P 39259
A 35332

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

DISTRICT _____

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

DATE 4/28/87

WELL LINE OK
PERMIT?
5/8/87 CW

DATE SYSTEM APPROVED 5/13/87

INSPECTOR CW

INDEXED

Jerry Orndorff

IS PERMITTED TO INSTALL ALTER _____

ADDRESS _____ PHONE _____

SUBDIVISION Karras Property ROAD 16197 Old Frederick Rd LOT 4

PROPERTY OWNER Gerald Orndorff

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3.5 feet below original grade. Bottom maximum depth 5 feet below original grade. Effective area begins at 3.5 feet below original grade. 1.5 feet of stone below distribution pipe.

LOCATION - Place the distribution box 360 feet from the left rear corner (Intersection of rear 456.27') and left 327.50') and 70 feet from the left (566.72') lot line as seen when facing the lot from Route 99. Run trenches on contour toward front and rear lot lines.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. *ok/CW*

PLANS APPROVED BY S. Abel DATE 10/28/86

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: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E., TANK, DISTRIBUTION BOX, TRENCHES) TO BE 100 FEET FROM WELL. (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCHES ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCHES.

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 TWO 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.

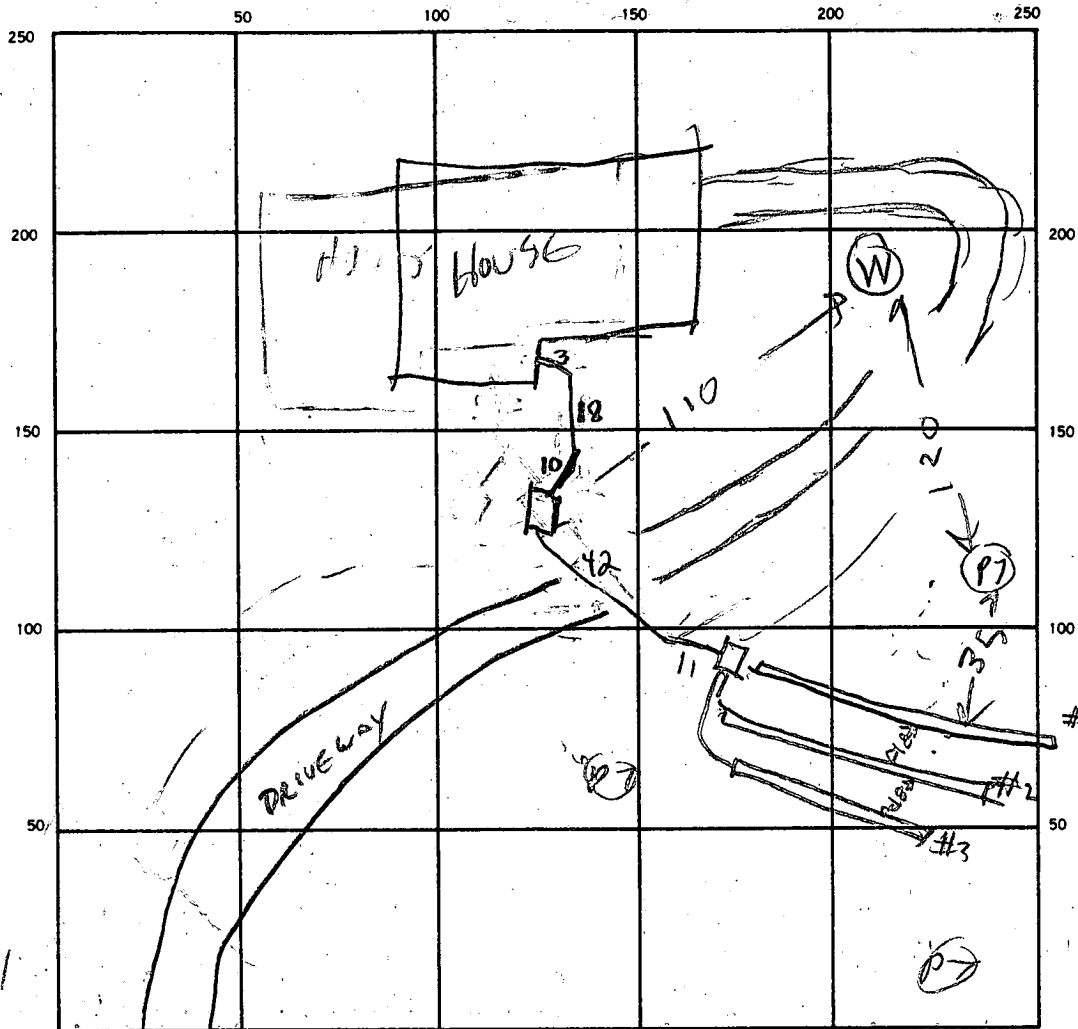
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES.

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

*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1186

A 35332



LEGEND
 PT = PERCOLATION HOLES
 (W) = WATER WELL
 [ST] = SEPTIC TANK

INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

DRIVEWAY

TO OLD FARM DISRUPTED

SEPTIC TANK LEVEL OK 150' CLEANOUTS OK

DISTRIBUTION BOX LEVEL _____

DRAIN FIELD/TILE FIELD. DEPTH #1-#3 5 FT. TRENCH WIDTH _____ FT. INLET DEPTH _____ FT.

EFFECTIVE GRAVEL DEPTH 1 1/2 FT. TOTAL LENGTH 25 92 68 245 FT. INSTALLED REQUIRED

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA 7.35 SQ. FT. 720

DRYWELL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA _____ SQ. FT.

REMARKS 5/5/87 LOCATION OK IN RELATION TO PERC TEST HOLES

WATER WELL 5/5/87 FINISH HOOKING UP HOUSE

SEWER & CALL

5/8/87 BASE CONNECTION OK, CLEANOUT NOT CAPPED.

11/2/87 HAVE INVESTED CUD ALONG 5 GAL. BRACKET SERVING A SEPTIC

C/O CAP. TOP OF CAP 2-3" ABOVE FINISH GRADE. CONTRACTOR PERFORMED 11/2/87 TO INSTALL CLEANOUT AS

DATE SYSTEM APPROVED NOV 3, 1987 INSPECTOR C. Williams

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 35332
P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

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

DISTRICT _____

DATE April 22, 1985

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 ~~George Karras~~ GERALD BRNDORFF

ADDRESS 200 Evans Street, Rockville, Md. PHONE 424-2017

PROPERTY LOCATION:

SUBDIVISION Karras Property LOT NO. 4

ROAD AND DESCRIPTION ~~South side of Old Frederick Road, west of Route 94~~
16197 OLD FREDERICK Rd.

BLDG. PERMIT SIGNED
AND RETURNED 2-6-87
BP# 2922
(NUMBER OF BEDROOMS) 5. Abel

SIZE OF LOT 4-6 acres TYPE BLDG. _____

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.

(SIGNATURE OF APPLICANT)

APPROVED BY Sidney Abel FOR Shallow Tile fields DATE 08/27/85

REJECTED BY _____ FOR _____ DATE _____

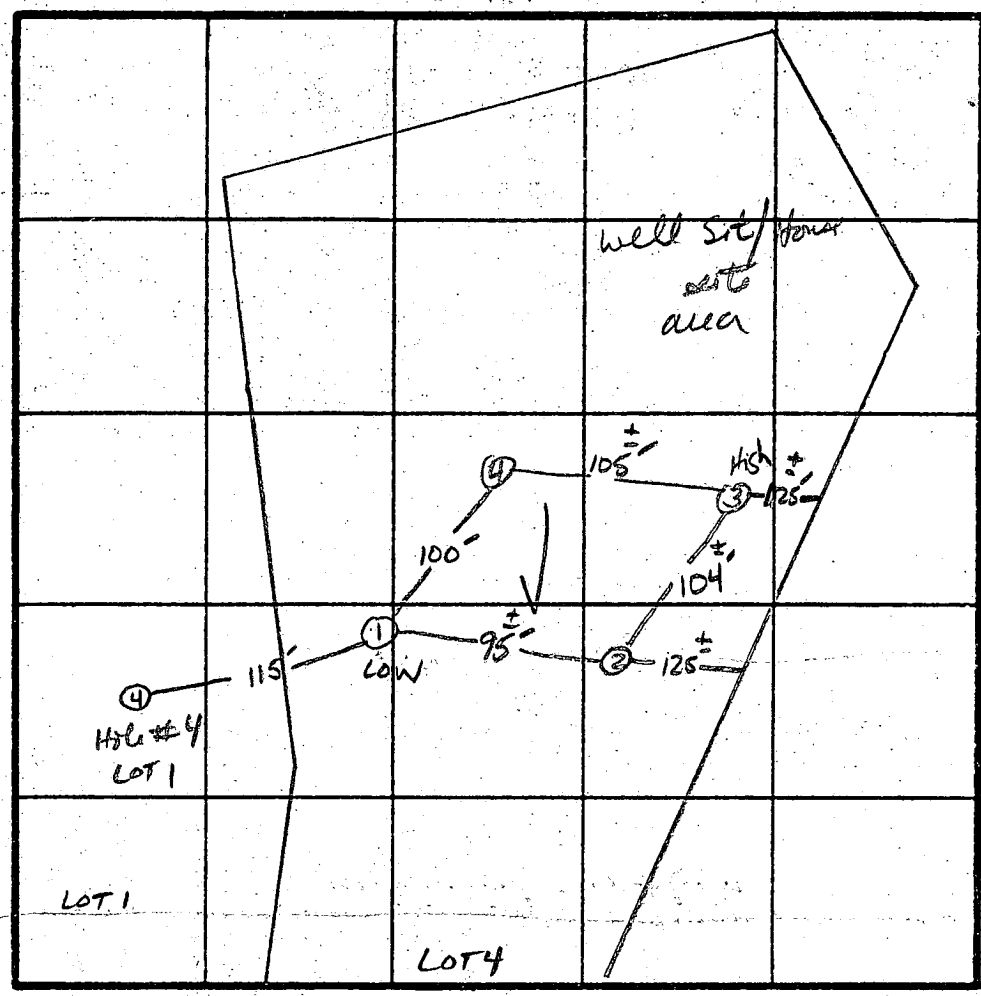
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 6-28-85 Perc Results Satisfactory; Hold for Certified Field Location of Perc. holes. S. Abel.

THIS IS NOT A PERMIT

① ④
SOIL PROFILE

0	AP
9"	Lt Brown LOAM/CLAY 10-20% SAPROLITE
2.5'	Lt Brown SAND LOAM 20-30% SAPROLITE



PERC
11 min
180 #/BK
Inlet
3"
Bottom
5"
2' STONES

②

0	AP
9"	Brown Yellow CLAY LOAM 10-20% SAPROLITE
3'	Yellow Br. SAND LOAM 30-40% SAPROLITE

③

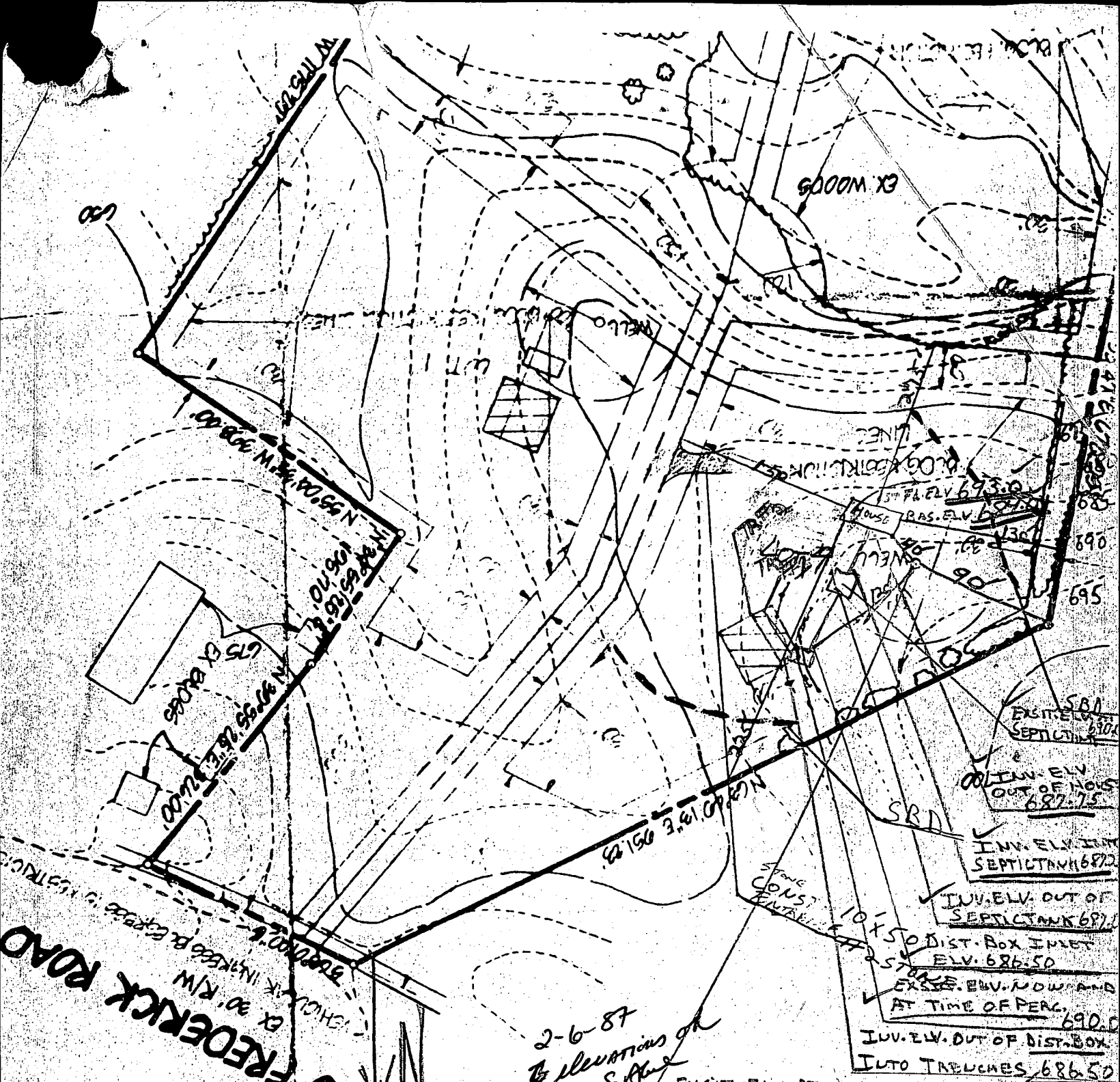
0	AP
9"	Yellow Red CLAY LOAM 10-20% SAPROLITE
3.0'	Yellow Br. SAND LOAM 20-30% SAPROLITE
9"	MASSIVE SAPROLITE
11"	STRUCTURE SAPROLITE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6/28/85	1 ✓	2.5'	11:11	11:12	11:12	11:15	3min
	2 ✓	12"	see profile				
	3 ✓	3'	11:16	11:20	11:20	11:27	7min
	4 ✓	11"	see profile				
		2.5'	11:24	11:40	11:40	12:07	27min
		11"	see profile				
		2.5'	11:31	11:33	11:33	11:38	5min
		11"	see profile				

REMARKS Rec. APPROX TO PLAT

TYPE OF SOIL Sand Jeff. Skip

11-12-10/8



OLD FREDERICK ROAD
 30' R/W
 30' R/W
 30' R/W

2-6-87
 Elevations on
 S. Hill

EXIST. ELV. AT
 HOWARD COUNTY HEALTH DEPARTMENT
 10-103616-02

LOT 4 OLD FREDERICK RD

OWNER: GERALD A. OANDORFF
 I CERTIFY THE ABOVE MEASUREMENTS AND
 ELEVATIONS ARE ACTUAL AND CORRECT

Gerald A. Oandorff
 2-1-87

BLDG. PERMIT SIGNED
 AND RETURNED 2-6-87
 BP# 9922
 S. Hill

STATE OF MARYLAND PERMIT TO DRILL WELL

OEP PERMIT NUMBER

10-81-1781

B 1 6779

SEQUENCE NO. (OEP USE ONLY)

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

please print or type

fill in this form completely

Date Received

8-1-86

OWNER INFORMATION

CLARK, CLAUDE

12090 ATYCR

CLARKSVILLE MD 21029

B 3

LOCATION OF WELL

HOWARD

HATFIELD PROPERTY

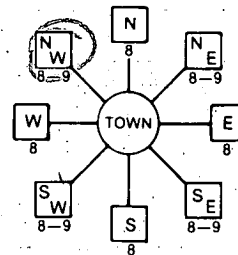
SECTION 44-46 LOT 48-50

LICAMON

MILES FROM TOWN (enter 0 if in town) 1 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



OLD FINED RD.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



1900

ENTER FT or MI 1.7

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME A 35332 COUNTY NO.
OEP SIGNATURE STATE HEALTH INSERT S
DATE ISSUED 11/21/86 Sidney Noel 05-21-87
NORTH GRID 551000 EAST GRID 0777000

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERcussion 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 DEEPMEN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROP. PERMIT NUMBER GAP

FORCE SA WRITE INITIALS IN BOX PERMIT No. 10-81-1781

SPECIAL CONDITIONS

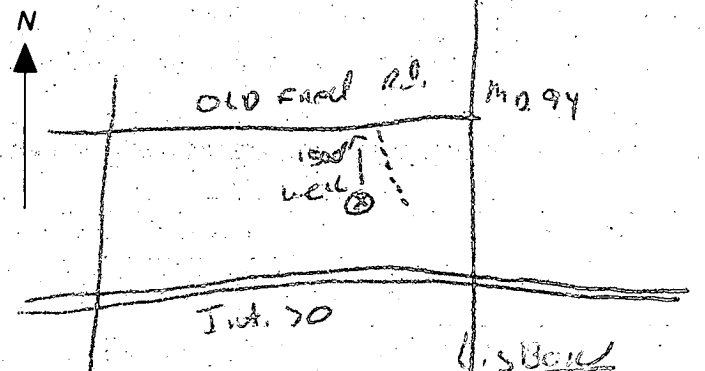
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER
1. well
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

7707
5501

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



12/4/86

Grand
dane prior
to arrival

location - 023d (as per
approved site)

50' casing (1' above)

47' open

12 bags cement

120 sample taken

(H9919)

C1 3712

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 2-6 ON ALL CARDS)

COUNTY NUMBER A-35332

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED 120486

Depth of Well 25 (TO NEAREST FOOT)

PERMIT NO. 40-81-1351

OWNER CANDLERFF JERRY last name first name STREET OR RFD OLD FREDERICK Rd. TOWN LISBON SUBDIVISION KARRAS PROPERTY SECTION LOT 4

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 Top Soil, Brown Shale, Brown Silt, Blue Slate, Brown Slate, Blue Slate.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 12 NO. OF POUNDS 1200 GALLONS OF WATER 22 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 40 ft.

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

MAIN CASING TYPE PL Nominal diameter 60 top (main) casing (nearest inch) Total depth of main casing 70 (nearest foot)

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

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

DEPTH (nearest ft.) table with grid for depth measurements from 1 to 51 feet.

A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED. ELECTRIC LOG OBTAINED. 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...

DRILLERS IDENT. NO. 213 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 56 60 (NEAREST INCH)

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 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 45 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) 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 (nearest foot)

