

Date Received (WRA use only) **2/13/81**  
DATE WELL COMPLETED

Depth of Well **190.0**  
TO NEAREST FOOT

PERMIT NO. FROM "PERMIT TO DRILL WELL"  
**HO-73-3789**

OWNER **HOWARD JR.** last name **KENNETH GRAM.** first name

STREET OR RFD **Triadelphia Mill & Highland Rds.** TOWN **DAYTON**

SUBDIVISION **FENTON EST.** SECTION **C 3** 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		Check if water bearing
	FROM	TO	
TOP SOIL	0	2	
SHALE	2	12	
SAND	12	35	✓
SHALEY	35	55	
BROWN SLATE	55	75	✓
BLUE SLATE	75	100	
FLINT	100	105	✓
BLUE SLATE	105	150	

WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL  
CEMENT **CM** BENTONITE CLAY **BC**  
NO. OF BAGS **18** NO. OF POUNDS **1800**  
GALLONS OF WATER **90**  
DEPTH OF GROUT SEAL (to nearest foot) from **0** ft. to **4 1/2** ft.

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) **10**

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

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

DEPTH (nearest ft.)  
EACH SCREEN **140** **68** **120**

CIRCLE APPROPRIATE BOX  
**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 I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS IDENT NO. **40**  
DRILLER'S SIGNATURE  
SITE SUPERVISOR (sign of driller or journeyman)

SLOT SIZE **2** **3**  
DIAMETER OF SCREEN (NEAREST INCH) from to

GRAVEL PACK  
IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX **F**

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)  
TELESCOPE LOG 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 **40** WHEN PUMPING **120**  
TYPE OF PUMP USED (for test) **A** piston **T** turbine **C** centrifugal **R** rotary **O** other (describe below) **J** jet **S** submersible

PUMP INSTALLED YES NO  
DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) **Y** **N**  
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE  
TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O)) **29**  
CAPACITY: GALLONS PER MINUTE (to nearest gallon) **31** **35**  
PUMP HORSE POWER **37** **41**  
PUMP COLUMN LENGTH (nearest ft.) **43** **47**  
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)  
**200' WELL**  
**1000'**  
**HIGHLAND RD**

B-1-1284 SEQUENCE NO. WRA USE ONLY

THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER

HO-73-3789

please print or type

fill in this form completely

DATE RECEIVED 1-19-81 2/13/81 2nd 8 (WRA USE ONLY) 13 OWNER INFORMATION

B 3 LOCATION OF WELL COUNTY HOWARD SUBDIVISION FENTON EST. SECTION 44 LOT 1 NEAREST TOWN DAYTON MILES FROM TOWN 2 MI

HOWARD, KENNETH M. Jr. LAST NAME OWNER FIRST NAME 13512 ARGO DRIVE STREET OR RFD DAYTON, MD. 21036 TOWN STATE ZIP

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) HIGHLAND RD. NEAR WHAT ROAD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 1100 DISTANCE FROM ROAD (CIRCLE APPROPRIATE BOX)

B 1 CONTINUED DRILLER INFORMATION GEORGE F. EASTERDAY DRILLER'S NAME 040 LICENSE NO. 77 SERGE A. EASTERDAY SIGNATURE 1/16/81 DATE

B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 1000

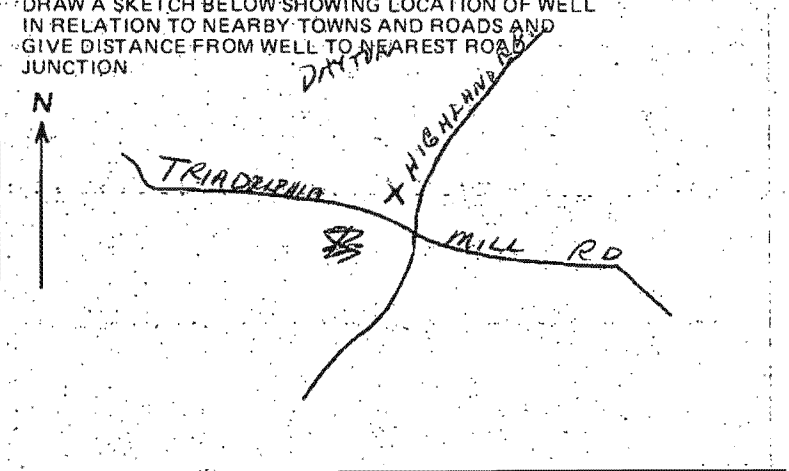
- USE FOR WATER (CIRCLE APPROPRIATE BOX) HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

Method of Drilling (circle one) ROBED (OR AUGERED) JETTED JETTÉD & DRIVEN AIR ROTARY AIR PERCUSSION ROTARY (HYDRAULIC) CABLE REVERSE ROTARY DRIVE POINT ROTARY other

REPLACEMENT OR DEEPEINED WELLS (Circle Appropriate Box) THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY THIS WELL WILL DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

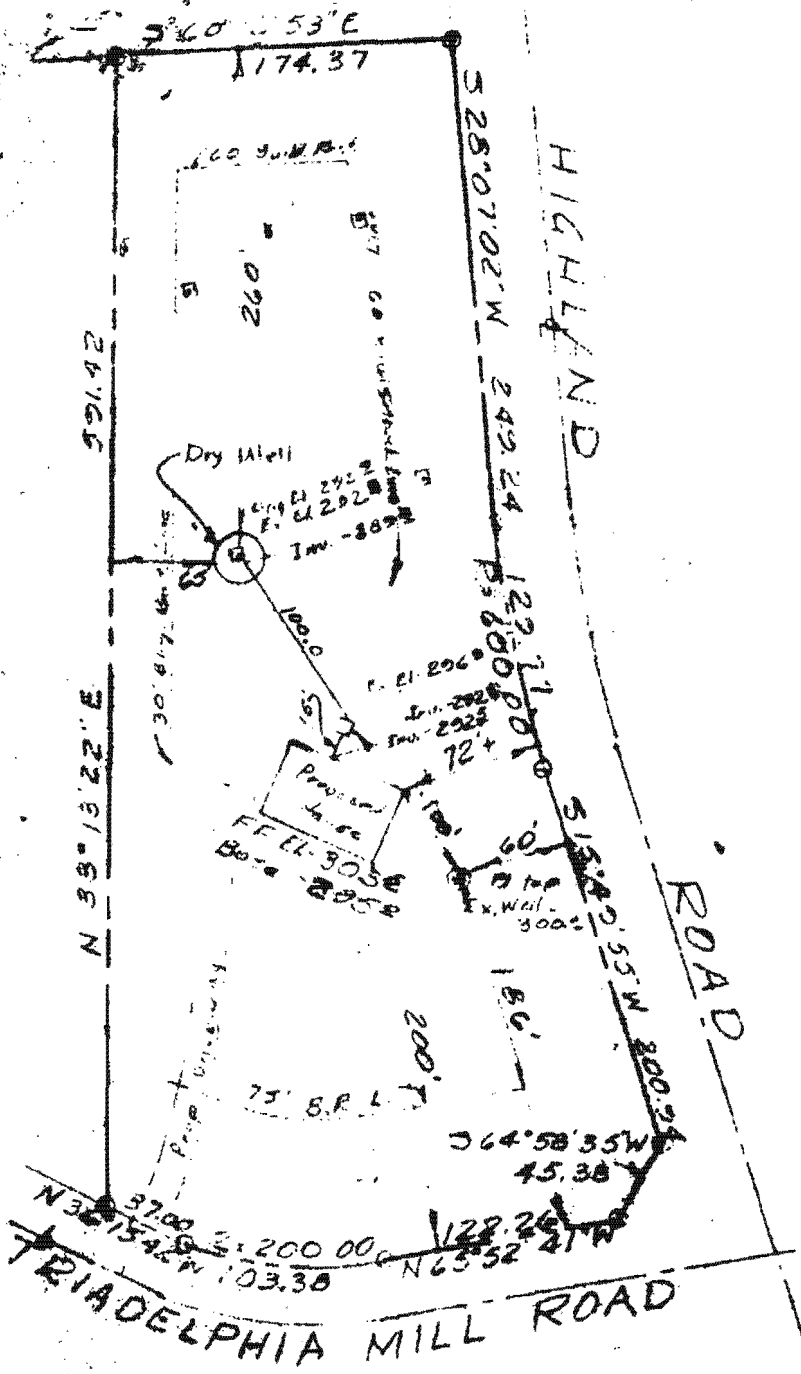
SHOW LOCATION OF WELL WITH AN "X" IN THIS BOX 2/13/81 18 Bags of Cement P.W.D. 46" Well Head 70' Well Casing P.W. 1' casing above ground. ok C.B.S. WRITE THE BOX NUMBER FROM THE MAP HERE



Not to be filled in by driller (WRA USE ONLY) APPROX. PERMIT NUMBER GAP FORCE INITIALS CONDITIONS

B 4 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD COUNTY NAME A29852 COUNTY NO. EHA SIGNATURE Frank A. Skinner STATE HEALTH SIGNATURE STATE HEALTH CIRCLE BOX S DATE 1/27/81 NORTH 503 EAST 0806 ELEV. (FT.) GRID 50 55 GRID 57 63 65 68

B 5 SPECIAL CONDITIONS (WRA USE ONLY)



5/20/82  
Sketch OK  
J.E.C.

LOT 1  
FENTON ESTATES  
LOTS 1 AND 2  
Fifth & Lee Dist.  
Howard County, Md.  
Scale: 1" = 100' Jan. 1982

I hereby certify that the above measurements and elevations are actual and correct for this property. The elevations shown are based on an assumed datum of 300.0 ft on top of the Well Casing.

J. E. Clark 2-6-82  
Registered Land Surveyor MD 4379

Prepared by  
THE J. E. CLARK CO.  
Loural, Md.

