

C-1 3893

SEQUENCE NO. (MDE 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

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO.

DATE Received

3/21/06

500 (TO NEAREST FOOT)

FROM "PERMIT TO DRILL WELL" HD-95-0288

OWNER J.T.S. CORPORATION STREET OR RFD CLARKSVILLE PIKE TOWN CLARKSVILLE SUBDIVISION MABETH FARM SECTION LOT 21

WELL LOG

Not required for driven wells

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

YES (Y) NO (N)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT (CM) BENTONITE CLAY (BC)

NO. OF BAGS 73 NO. OF POUNDS 7300

GALLONS OF WATER 438

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 52 ft.

CASING RECORD

ST CO PL OT STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 60

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

SCREEN RECORD

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

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Topsoil, Brown Mica, Green Mica, Sandstone, etc.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES (Y) NO (N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. 1 MWD 040 DRILLERS SIGNATURE

MC. NO. 1 JWD 727 SITE SUPERVISOR

DEPTH (nearest ft.) HO 58 500

Table with columns: E A C H S C R E E N, 1-51

DIAMETER OF SCREEN (NEAREST INCH) 58 to 60

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3

PUMPING RATE (gal. per min.) 5

METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 46 ft.

WHEN PUMPING 181 ft.

TYPE OF PUMP USED (for test)

A air P piston T turbine C centrifugal R rotary O other J jet S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) YES (NO)

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29

CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 36

PUMP HORSE POWER 37 41

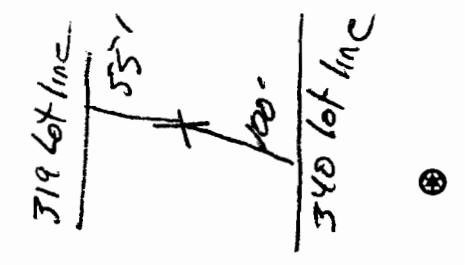
PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height)

4 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)



B 1 0754

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 524124 please type

STATE PERMIT NUMBER HO-95-0288 fill in this form completely

Date Received (APA) 02 24 06 OWNER INFORMATION 10176 JTS Corporation 8808 Centre Park Drive S209 Columbia, Md 21045

LOCATION OF WELL Howard Macbeth Farm Clarksville 21

DRILLER INFORMATION George F. Easterday MWD 040 L. Franklin Easterday, Inc. 9265 Brown Church Rd., MT. Airy, Md. 21771

Clarksville Pike (Md 108) 500+ 34 18 190

WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 500

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD 13 1518543

USE FOR WATER (CIRCLE APPROPRIATE BOX) DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

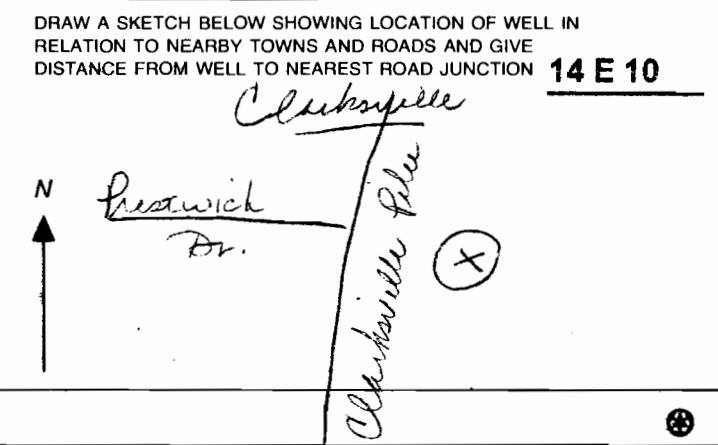
APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one) AIR-ROTary

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL NOT REPLACE AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER HC 2004G 008 PERMIT No. HO-95-0288

SOURCES OF DRILLING WATER wells WRITE THE BOX NUMBER FROM THE MAP HERE 810 816 490 495



3-21-06

8:30

FIELD DATA SHEET
 HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95-0288
 Location of property (road) CLARKSVILLE Pike
 Subdivision MACBETH Farm Lot 21 Block _____ Plat _____ Sec. _____
 Well Driller Easterday Owner J.T.S. Corp

Depth of well 500 12gpm
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 46.3

I. High rate pumping -- reservoir drawdown

Pump set 380'

Time pump started 10:00 Pumping rate 156gpm
 Total time 30min to reach pumping water level 180' 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)
1045	180	12 sec	1 gal bucket	5 gpm
1100	180	12 "	"	5 "
1115	180	12 "	"	5 "
1130	180	12 "	"	5 "
1145	180	12 "	"	5 "
1200	180	12 "	"	5 "
1215	181	12 "	"	5 "
1230	181	12 "	"	5 "
1245	181	12 "	"	5 "
100	181	12 sec		5 gpm
115	181	12 sec		5 gpm
130	181	12 sec		5 gpm
145	181	12 sec		5 gpm
200	181	12 sec	Water off	5 gpm

MONROE COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Robert L. Freezer Co. Inc Telephone #: 410-781-4655
Address: 6321 Parkway Ave.
Sykesville, MD

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Robert L. Freezer License# 2122

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: M.V. Homes Telephone #: 410-379-5956
Subdivision: CLARKSVILLE OVERLOOK Lot #: 21 Well Tag #: HO-95-0288
Site Address: 6318 Kerne Ct
CLARKSVILLE, MD 21029

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: STA-RITE Make: Campbell Two piece watertight cap:
Model #: SSPYHS100d/1 Model #: PT 800 Screened, vented well cap:
Pump Capacity 5 GPM Depth: 40' (36" min) Cap secured to casing:
Well Yield: 5 GPM NSF approved: Conduit min 18" B.G.:
Depth of well encountered at time of pump installation: 500 (feet) Conduit secured to well cap:

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt

Piping to house House Connection
Type: Poly PVC sleeved to undisturbed soil at wall penetration:
PSI: 200 (160 psi min) Approximate length of sleeve: 10'
Depth of supply line: 40' (36" min) Sleeve caulked and sealed properly:

The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Robert L. Freezer date: 5/10/08
INSPECTION CALLED FOR 5/15/08

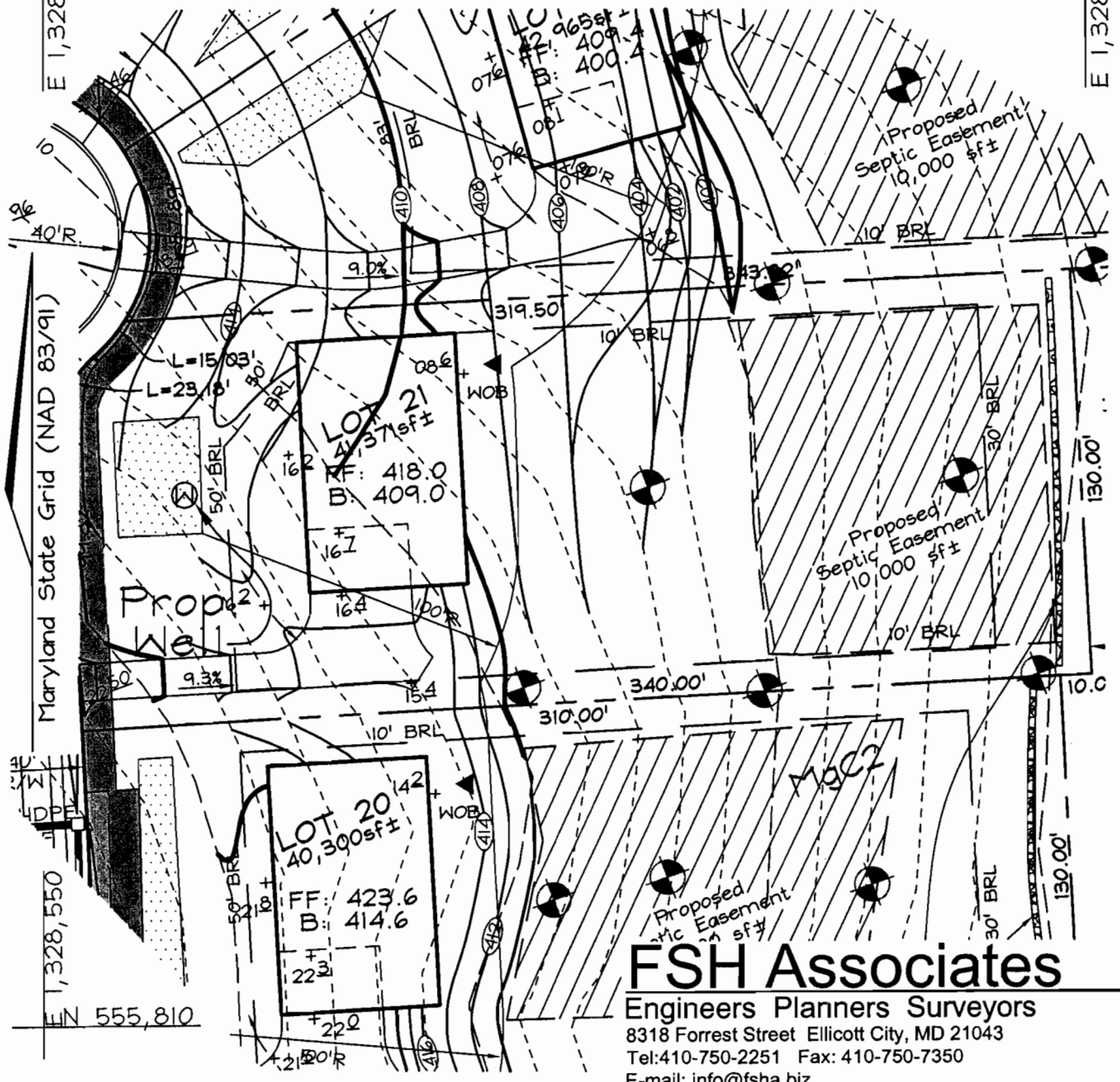
For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: _____ Date Insp. Approved: 6/17/08 (60)
Inspection Data: Pitless adapter and water supply line at least 36" below grade
Two piece cap installed and attached to casing securely
Elec. conduit extends at least 18" below grade/attached to cap properly
Safety rope installed inside of well casing
Correct well tag attached properly and casing 8" above finished grade
Water supply line sleeved adequately at house connection
Adequate grout observed below pitless adapter

556,160
E 1,328,550Z

N 556,160
E 1,328,880

Note:
The proposed well shown on this plan will be staked out in the field by FSH Associates, Professional Surveyor prior to well drilling.



FSH Associates
 Engineers Planners Surveyors
 8318 Forrest Street Ellicott City, MD 21043
 Tel: 410-750-2251 Fax: 410-750-7350
 E-mail: info@fsha.biz

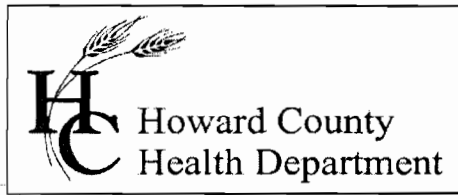
DESIGN BY: PS
 DRAWN BY: CD
 CHECKED BY: ZYF
 SCALE: 1"=50'
 DATE: Feb. 9, 2006
 W.O. No.: 3165
 SHEET No.: 21 OF 35

**WELL PERMIT PLAN
 MACBETH FARM**

LOT 21

TAX MAP 34 GRID 18 & 24
 4TH ELECTION DISTRICT

PARCEL 90
 HOWARD COUNTY, MARYLAND



Bureau of Environmental Health
7178 Gateway Drive Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

June 18, 2008

Occupant
6318 Kerne Court
Clarksville, MD 21029

SENT VIA FACSIMILE 301-854-3983

RE: Clarksville Overlook, Lot 21
6318 Kerne Court
Clarksville, MD 21029
BP #: B07003869
Well Permit # HO-95-0288

Dear Sir:

This is to advise you that the septic system for the above referenced property has been installed and inspected. **Final approval of the septic system was granted on 05/28/2008.**
Final approval of the well line connection to the dwelling was approved on 06/17/2008.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

Also, Gross Alpha and Beta sample was collected on 03/21/2006. Both findings were below the maximum limit suggested by the EPA. At the time of the testing and with respect to these parameters, the future well water supply appears safe for all uses. No additional testing for these parameters will be required to secure the future Use and Occupancy.

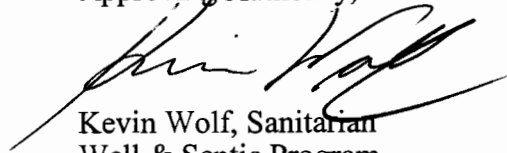
INTERIM CERTIFICATE OF POTABILITY

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-95-0288. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. **Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.**

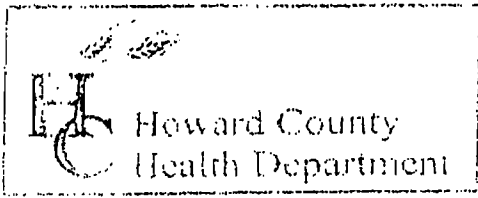
Dates of Water Sample: 06/17/2008
Date of Sample for Gross Alpha and Gross Beta: 03/21/2006
Date of Well Completion: 03/21/2006

Approving Authority,



Kevin Wolf, Sanitarian
Well & Septic Program

cc: Building Inspector's Office
Community Health Services
File



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6300
 website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

- The well site has been staked by F.S.H. ASSOCIATES,
 (professional land surveyor or company employing professional land surveyors)
 on 2-20-06 (date) and does not require a site inspection.
- The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 6/10/03

JTS CORPORATION
 LOTS 1-35 MACBETH FARM



TRACE LABORATORIES, INC
 A Methode Electronics, Inc. Company
 5 North Park Drive
 Hunt Valley, MD 21030 USA
 Telephone: 410/584-9099 / Fax: 410/584-9117
 Website: www.tracelabs.com / Email: info@tracelabs.com

Maryland State Certified Laboratory # 318

CERTIFICATE OF ANALYSIS

Requester:
 NV Homes, Inc
 Attn: Buddy
 6085 Marshalee Drive Suite 130
 Elkridge, Maryland 21075

S/O Number: 68658
Report Date: June 18, 2008

Property Sampled: 6318 Kerne Court, 21029

County: Howard
Subdivision: Clarksville Overlook
Lot #: 21
Building Permit #: B07003869

Tax Map #: 34
Parcel #: 90

Date/Time Collected: June 17, 2008 at 9:10 am
Date/Time Received: June 17, 2008 at 3:00 pm

Sample Location: Pressure Tank Tap
Sampler ID: 6308KW

Samples Iced: Yes
Residual Cl₂ <0.1 mg/L: Yes

Well Tag Number: HO-95-0288
Well Condition: 2-Piece Cap
 Satisfactory

Water Conditioning/Treatment: Neutralizer

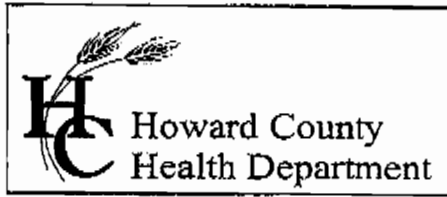
PARAMETER	RESULT	METHOD	MCL/*SMCL	
Nitrate	1.1 mg/L as N	SM 4500D	10 mg/L as N	Pass
Turbidity	1.8 NTU	EPA 180.1	10 NTU	Pass
pH	7.7 Units	EPA 150.1	*6.5-8.5 Units	***
Sand	Negative		Negative	
Total Coliform	Absent	SM 9223B	Absent	Pass
E.coli	Absent	SM 9223B	Absent	Pass

Allison R. Milburn
 Allison R. Milburn
 Manager-Drinking Water Testing

MCL=Maximum Contamination Level

*SMCL=Secondary Maximum Contamination Level

***A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.



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website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

RECEIVED MAY 15 2006

May 10, 2006

JTS Corporation
8808 Centre Park Drive
Suite 209
Columbia, MD 21045

RE: MacBeth Farm, Lot # 21
Well Tag: HO-95-0288

To Whom It May Concern,

A sample was collected from a yield test on March 21, 2006 and submitted to GPL Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta activity in a water supply. In turn, this can provide information regarding naturally occurring radiation (i.e., Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of 8.5 ± 1.0 picocuries per liter (pCi/L); while the **Gross Beta** level was 4.3 ± 0.6 pCi/L. The **Gross Alpha** result was below the maximum contamination level (MCL) of 15 pCi/L, while the **Gross Beta** was below the MCL of 50 pCi/L. At the time of testing and with respect to these parameters, your well water supply is safe for all uses.

A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions or concerns.

Sincerely,


Bert Nixon, Deputy Director
Bureau of Environmental Health

cc: Eric Dougherty, MDE, Water Mgmt., Groundwater