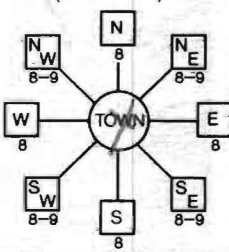
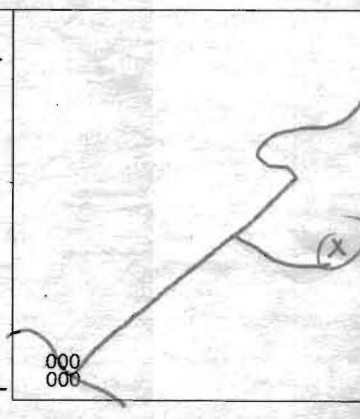


C 1 3621		SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE		THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.	
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)						COUNTY NUMBER	
ST/CO USE ONLY DATE Received MM DD YY 8 13		DATE WELL COMPLETED MM DD YY 07 19 2006		Depth of Well 22 300 26 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" HO - 95 - 0341 28 29 30 31 32 33 34 35 36 37	
OWNER STREET OR RFD SUBDIVISION		Elm Street Development last name Cawey Lane Saddlebrook Farm		first name TOWN Woodstock		LOT 11	
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 0 70 709 300 water at 80' 12 ÷ 4.9 = 2.5		check if water bearing x			
				GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO Y N 44 44 TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 12 NO. OF POUNDS 1700 GALLONS OF WATER 72 DEPTH OF GROUT SEAL (to nearest foot) from 48 TOP 52 ft. to 54 BOTTOM 58 ft. (enter 0 if from surface) 48			
				CASING RECORD casing types insert appropriate code below MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 77 60 61 63 64 66 70			
				OTHER CASING (if used) diameter depth (feet) inch from to EACH CASING			
				SCREEN RECORD screen type or open hole insert appropriate code below ST BR HO STEEL BRASS OPEN BRONZE HOLE PL OT PLASTIC OTHER DEPTH (nearest ft.) 1 2 3 4 5 6 7 8 9 11 15 17 21 140 77 300 23 24 26 30 32 36 36 39 41 45 47 51 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68			
NUMBER OF UNSUCCESSFUL WELLS: 0		WELL HYDROFRACTURED YES NO Y N		C 2			
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 26.04.04 "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 LIC. NO. 1 M S D 1 6 2 1		DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 A W D 7 6 6 1 Donal Hall		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE LOG OTHER DATA CASING INDICATOR		PUMPING TEST HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 1.05 METHOD USED TO MEASURE PUMPING RATE Submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 44 ft. WHEN PUMPING 278 ft. 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 INSTALLED PUMP YES NO (CIRCLE) (YES or 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 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 (nearest foot) 50 51	
						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) 20' 8'	

B 1 1 2 3 6 6459	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 524360 please type	STATE PERMIT NUMBER H0-95-0341 70 fill in this form completely 79
Date Received (APA) 3/17/06 8 MM DD YY 13 Elm Street Development 15 Last Name Owner First Name 34 5094 Dorsey Hall Drive, Suite 104 36 Street or RFD 55 Ellicott City MD 21042 57 Town 70 State 72 Zip 76		B 3 LOCATION OF WELL Howard 8 COUNTY 21 Saddlebrook Farm 23 SUBDIVISION 42 SECTION 44 46 LOT 11 48 50 Woodstock 52 NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 0 M I 73 76 77 78	
DRILLER INFORMATION Michael D. Isom M S D 162 Driller's Name 76 License No. 81 G. Edgar Harr Sons' Corp. Firm Name 12047 Falls Road, Cockeysville 21030 Address 2/20/06 Signature Date		B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  Cavey Lane 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH N WEST W EAST E SOUTH S 34 200 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 11 BLK: 13 PARCEL 32	
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750 14 20		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD (13) A516525 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 4/10/06 43 MM DD YY 48 CO SIGNATURE NORTH GRID 544 000 55 EAST GRID 837 000 63 EXP. DATE 4/11/07	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) 22 <input type="radio"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="radio"/> PUBLIC WATER SUPPLY WELL <input type="radio"/> TEST, OBSERVATION, MONITORING <input type="radio"/> GEO-THERMAL		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 E 837 N 544 DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
APPROXIMATE DEPTH OF WELL 250 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH 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) <input checked="" type="radio"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 39 <input type="radio"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="radio"/> THIS WELL WILL DEEPEAN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEANED (IF AVAILABLE) 41 52		Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER H02005009(01) PERMIT No. H0-95-0341 70 71 72 73 74 75 76 77 78 79	
SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED Apply for Radium/Radiation testing See Attached Letters			

HARR WELL DRILLING

12047 FALLS ROAD
COCKEYSVILLE, MD 21030
410-252-4588

HOWARD COUNTY YIELD TEST REPORT

Date Test Performed: 7-11-06 Permit Number: HO-95-0341
Address: Cavey Lane Subdivision: Saddlebrook Farm L#11
Owner Name: Elm Street Develop Election District:
Well Depth: 300 Ft Static Water Level: 44 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 1 gallon bucket	Calculated Flow-Gallons Per Minute
0830	44 ft		4 sec	15.00
0845	148		4	15.00
0900	238		5	12.00
0915	270		29	2.06
0930	277		54	1.11
0945	278		57	1.05
1000	278		57	1.05
1015	278		57	1.05
1030	278		57	1.05
1045	278		57	1.05
1100	278		57	1.05
1115	278		57	1.05
1130	278		57	1.05
1145	278		57	1.05
1200	278		57	1.05
1215	278		57	1.05
1230	278		57	1.05
1245	278		57	1.05
1300	278		57	1.05
1315	278		57	1.05
1330	278		57	1.05
1345	278		57	1.05
1400	278		57	1.05
1415	278		57	1.05
1430	278		57	1.05

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 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 Feezer Co., Inc Telephone #: 410-781-4655
Address: 6331 Barnett Ave.
Sykesville, MD 21784

(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. Feezer License# 2122

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

Name of Property Owner: NV Homes Telephone #: 410-379-5956
Subdivision: Saddlebrook Farm Lot #: 11 Well Tag #: HO-95-0391
Site Address: 1044 SADDLEBROOK FARM TRAIL
Woodstock, MD 21763

Submersible Pump Data

Make: STN-RIVE

Model #: ST04N507221-01

Pump Capacity 10 GPM

Well Yield: 1.05 GPM

Depth of well encountered at time of pump installation: 300 (feet)

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

Torque arrestors, Cable guards, or other acceptable method used—Must circle one

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing

Pitless Adapter

Make: Campbell

Model#: PT 800

Depth: 42" (36" min)

NSF/WSC approved: ✓

Well Cap and Electric Conduit

Two piece watertight cap: ✓

Screened, vented well cap: ✓

Cap secured to casing: ✓

Conduit min 18" B.G.: ✓

Conduit secured to well cap: ✓

Piping to house

Type: Poly

PSI: 200 (160 psi min)

Depth of supply line: 42" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: ✓

Length of sleeve (5' minimum from foundation): 10'

Sleeve 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. Feezer

date: 2/10/11

INSPECTION CALLED IN FOR 1/6/11

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

Date Insp. Requested: _____ Date Insp. Approved: 1/7/2011 Inspector: BBB
Inspection Data: Pitless adapter watertight & 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 not outside of well cap/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 ✓

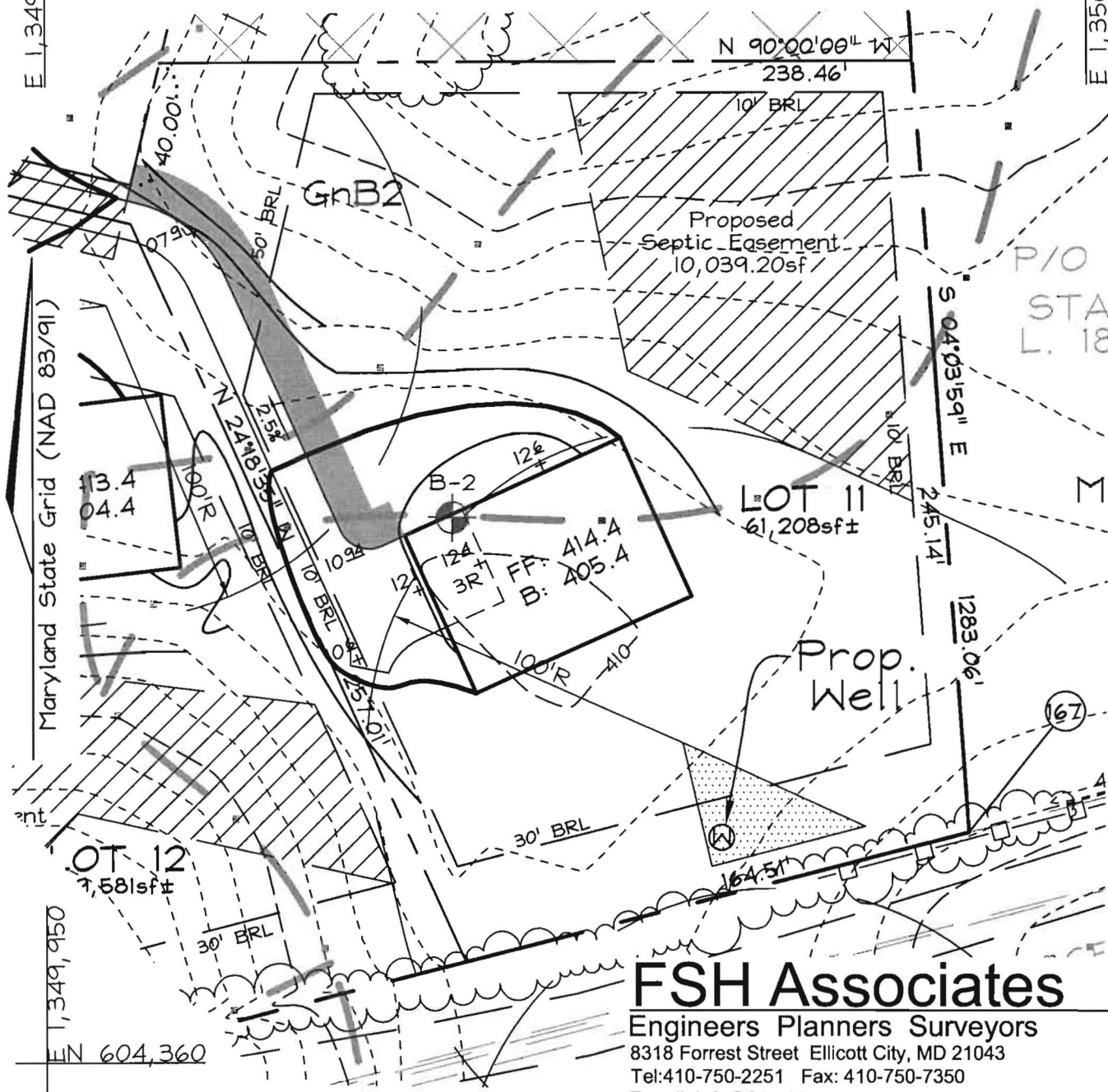
N 604,720

Note:

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

N 604,720

E 1,350,280



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: Mar. 13, 2006

W.O. No.: 3165

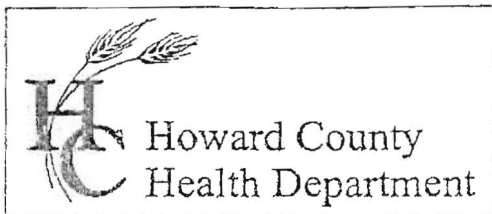
SHEET No.: 10 OF 11

WELL PERMIT PLAN SADDLEBROOK FARM

LOT 11

TAX MAP II GRID 13
3RD ELECTION DISTRICT

PARCELS 19 & 32
HOWARD COUNTY, MARYLAND



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

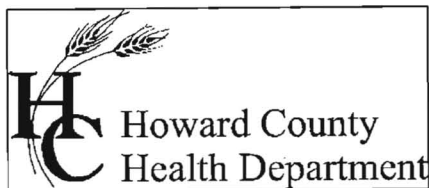
ATTENTION WELL DRILLERS!!!

When submitting a well application for a new or replacement well, please indicate one of the following:

- ☒ The well site has been staked by FSH Inc
on Saddlebrook Farm and is ready for site inspection.
- ☐ _____ will call the Health Department
for a time to meet in the field to verify a well location.
- ☒ Site plan for new well is attached to well permit application.

Please attach this sheet when submitting your green application.
This should help improve communication allowing a more timely
service for our citizens.

KN



Bureau of Environmental Health
7178 Columbia Gateway Drive Columbia, Maryland 21046-2132
(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

March 1, 2011

Homeowner
10144 Saddlebrook Farm Trail
Woodstock, MD 21163

RE: Saddlebrook Farm, Lot 11
10144 Saddlebrook Farm Trail
Woodstock, MD 21163
BP# B10003300
Well Tag #: HO-95-0341

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 02/09/2011 Final approval of the well line connection to the dwelling was approved on 01/07/2011.**

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.

Gross Alpha and Beta samples were also collected on 07/17/2006. 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 addition 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-95-0341. 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.**

Date of Water Samples: 02/22/2011

Date of Samples for Gross Alpha & Gross Beta: 07/17/2006

Date of Well Completion: 07/19/2006

Approving Authority,

A handwritten signature in cursive script that reads "Brian Baker".

Brian Baker R.S.
Environmental Sanitarian
Well & Septic Program

cc: Building Inspector's Office
Community Health Services
File



TRACE LABORATORIES, INC

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.
6085 Marshalee Drive Suite 130
Elkridge, Maryland 21075

S/O Number: 80472

Report Date: February 24, 2011

Property Sampled: 10144 Saddlebrook Farm Trail, 21163 Building Permit #: B10003300
Sample Location: Pressure Tank Sampler ID #: 9813AM
Residual Chlorine: <0.1 mg/L Samples Iced: Yes

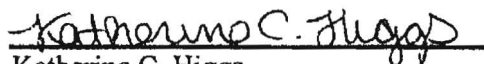
County: Howard Subdivision: Saddlebrook Farms
Map: 140011 Parcel: 0013 Lot #: 11

Date/Time Collected in Field: February 22, 2011 @ 11:10 am
Date/Time Received in Lab: February 22, 2011 @ 3:50 pm

Well Tag #: HO-95-0341
Well Condition: 2-Piece Cap, Satisfactory

Water Treatment/Conditioning: Neutralizer

PARAMETER	METHOD	MCL/*SMCL	RESULT	PASS/FAIL
Total Coliform	SM 9223B	Absent	Absent	Pass
E. coli	SM 9223B	Absent	Absent	Pass
Nitrate	SM 4500D	10 mg/L as N	<1.0 mg/L as N	Pass
Turbidity	EPA 180.1	10 NTU	4.5 NTU	Pass
pH	EPA 150.1	*6.5-8.5 Units	7.4 Units	***
Sand		Negative	Negative	


Katherine C. Higgs
Administrative Assistant

MCL: Maximum Contamination Level, an enforceable level established by the EPA

*SMCL: Secondary Maximum Contamination Level, a level recommended by the EPA

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



Howard County
Health Department

Bureau of Environmental Health
7178 Columbia 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

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

September 15, 2006

Shalehearth L.C.
6820 Elm Street
Suite 200
McLean, Virginia 22101

RE: Saddlebrook Farm, Lot 11
Well Tag: HO-95-0341

To Whom It May Concern:

A sample was collected from a yield test on July 17, 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 particle 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 2.1 ± 0.8 picocuries/liter (pCi/L); while the **Gross Beta** level was 5.6 ± 1.4 pCi/L. The **Gross Alpha** result was below its maximum contaminant level (MCL) of 15 pCi/L, while the **Gross Beta** level was below its target value of 50 pCi/L (roughly equivalent to the annual dose rate of 4 millirems/year).

At the time of 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 & Occupancy. However, other standard (potability) testing will still be necessary.

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.

Sincerely,

Bert Nixon, Deputy Director
Bureau of Environmental Health

CC: Eric Dougherty, MDE Water Mgmt., Groundwater
Well & Septic File
Zac Fish; FSH Associates, 8318 Forrest St., E.C., MD 21043

Easement Holder: HOA

2.682 bct

PERIMETER 4

60' Credit

1054' LF Type 'A'

Level Spreader (typ.) 46LF

N 90°00'00" W

238.46'

Level 10' BRL

Spreader (typ.) 28LF

Level Spreader (typ.) 57LF

Proposed Septic Easement
10,039.20sf

GnB2

P/C
ST
L

S 04°03'59" E

LOT 11

61,208sf±

B-2

FF: 414.4
B: 405.4

124
3R

100'R

LOT 12

49,581sf±

204.20'

PERIMETER 5
369' LF Type 'B'

PARCEL 45
AND BETH E

PAR
ED
JULCA
PRADO
L2

Zone

100'R

Ex. Well