

C1 6136

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.1 2 3 4
(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
5 17 07

Depth of Well

22 300 26
(TO NEAREST FOOT)PERMIT NO.
FROM "PERMIT TO DRILL WELL"Ho-95-1127
28 29 30 31 32 33 34 35 36 37

OWNER

STREET OR RFD

SUBDIVISION

Elm Street Development

last name

CAVEY LANE

first name

TOWN

Woodstock

SECTION

LOT

Parcel 36

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR
COLOR, DEPTH, THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)

FEET

FROM

TO

check
if water
bearing

Soil

0 10

Soft shale

10 35

Brown shale

35 47

Granite

47 300 x

Water at
163'

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

45 46 13

NO. OF POUNDS

45 46 1500

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot)

from 48 TOP 52 ft. to 54 BOTTOM 58 ft.
(enter 0 if from surface)casing
types
insert
appropriate
code
below

CASING RECORD

ST
STEELCO
CONCRETEPL
PLASTICOT
OTHERMAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)!Total depth
of main casing
(nearest foot)

PL

6

50

60 61

63 64

66 67

70

E
A
C
H
C
A
S
I
N
G

OTHER CASING (if used)

diameter

depth (feet)

inch

from

to

screen type
or open hole
(insert
appropriate
code
below)

SCREEN RECORD

ST
STEELBR
BRASSHO
OPEN
HOLEPL
PLASTICOT
OTHER

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED

yes

Y

no

N

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
WELLI 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 162

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1

A W D 766

SITE SUPERVISOR (sign. of driller or journeyman
responsible for sitework if different from permittee)

C 2

DEPTH (nearest ft.)

Ho 50 300

E 1 8 9 11 15 17 21

A 2 23 24 26 30 32 36

C 3 38 39 41 45 47 51

S 4 43 44 46 50 52 56

R 5 53 54 55 57 58 60

E 6 61 62 63 65 66 68

N 7 69 70 71 73 74 76

SLOT SIZE 1 2 3

DIAMETER (NEAREST INCH)

OF SCREEN 56 60

from to

GRAVEL PACK

IF WELL DRILLED

WAS FLOWING WELL

INSERT F IN BOX 68

MDE USE ONLY

(NOT TO BE FILLED IN BY DRILLER)

T (E.R.O.S.) W Q

70 72 74 75 76

TELESCOPE LOG

CASING INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour)

3

PUMPING RATE (gal. per min.)

13.6

METHOD USED TO
MEASURE PUMPING RATE

Submersible

WATER LEVEL (distance from land surface)

BEFORE PUMPING

31 ft.

WHEN PUMPING

185 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
(CIRCLE) (YES or NO)

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 29CAPACITY:
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

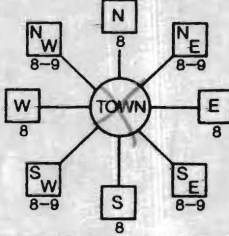
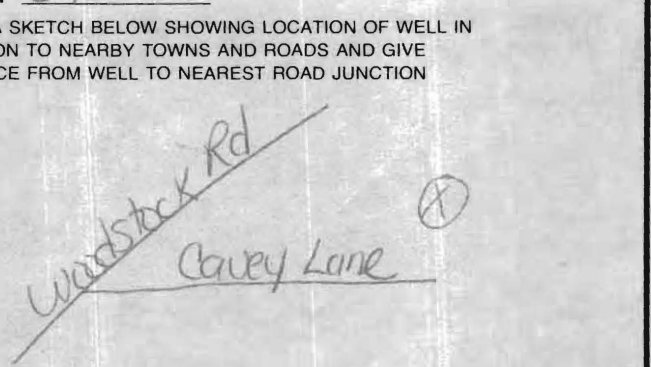
LAND SURFACE

- below

(nearest
foot)

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)Site location to be
provided by
owner

B 1 1 2 3 6 3907	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 525222 please type	STATE PERMIT NUMBER 40-95-1127 70 fill in this form completely 79
Date Received (APA) 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 8 COUNTY Howard 21 23 SUBDIVISION Saddlebrook Farm 42 SECTION 44 46 LOT Parcel 36 50 52 NEAREST TOWN Woodstock 71 MILES FROM TOWN (enter 0 if in town) 73 76 77 78	
OWNER INFORMATION Driller's Name Michael D. Isom M S D 1162 76 License No. 81 Firm Name G. Edgar Harris/ Sons Corp. Address 12047 Fols Rd, Cockeysville 21030 Signature Date		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 11 NEAR WHAT ROAD Cavey Lane 30 34 200 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 11 BLK: 13 PARCEL 32	
WELL INFORMATION 1 2 APPROX. PUMPING RATE 5 (GAL. PER MIN.) 8 12 AVERAGE DAILY QUANTITY NEEDED 750 (GAL. PER DAY) 14 20		USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="radio"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="radio"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="radio"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="radio"/> PUBLIC WATER SUPPLY WELL <input type="radio"/> TEST, OBSERVATION, MONITORING <input type="radio"/> GEO-THERMAL	
APPROXIMATE DEPTH OF WELL 250 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME Howard COUNTY NO. 9526287 STATE SIGNATURE DATE ISSUED 5/17/07 43 MM DD YY 48 CO SIGNATURE EXP. DATE 5/17/08 NORTH GRID 543 000 EAST GRID 836 000 50 55 57 63	
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		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 836 6 N 548 3 000 000	
REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER --- G --- PERMIT No. 40-95-1127 70 71 72 73 74 75 76 77 78 79			
SPECIAL CONDITIONS NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED			

HARR WELL DRILLING

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

HOWARD COUNTY YIELD TEST REPORT

Date Test Performed: 8-01-06 Permit Number: BA-
Address: Cavey Lane Subdivision: Saddlebrook Farm L#36
Owner Name: Elm Street Devel Election District:
Well Depth: 350 Ft Static Water Level: 31 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 5gallon bucket	Calculated Flow-Gallons Per Minute
1245	31 ft		17 sec	17.64
1300	47		17	17.64
1315	96		17	17.64
1330	122		19	15.78
1345	131		19	15.78
1400	140		20	15.00
1415	147		20	15.00
1430	153		20	15.00
1445	160		22	13.63
1500	166		22	13.63
1515	176		22	13.63
1530	181		22	13.63
1545	185		22	13.63

To: Michael Charlton 720-3035

Saddlebrook Farm
Progress Report

August 4, 2006

LOT	DEPTH	YIELD	DRY HOLES
Parcel 36	350'	13.63	
1	70'	1/4 gpm	Existing Well that was deepened
2	300'	15.00	Existing Well
3	75'	12.00	none
4	300'	12.50	Existing Well
5	300'	9.37	none
6	300'	15.00	none
7	300'	15.00	none
8	300'	17.64	(1) 200'
9	300'	17.64	none
10	300'	17.64	(1) 200'
11	300'	1.05	none
12	300'	11.11	none
Parcel F	300'	20.00	none

*Drillers Estimate, official yield test pending.

HARR WELL DRILLING

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

HOWARD COUNTY YIELD TEST REPORT

Date Test Performed: 8-01-06 Permit Number: BA-95-1127
Address: Cavey Lane Subdivision: Saddlebrook Farm L#36
Owner Name: Elm Street Devel Election District:
Well Depth: 350 Ft Static Water Level: 31 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 5gallon bucket	Calculated Flow-Gallons Per Minute
1245	31 ft		17 sec	17.64
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1315	96		17	17.64
1330	122		19	15.78
1345	131		19	15.78
1400	140		20	15.00
1415	147		20	15.00
1430	153		20	15.00
1445	160		22	13.63
1500	166		22	13.63
1515	176		22	13.63
1530	181		22	13.63
1545	185		22	13.63

To: Stuart Oster

From: Michael Isom, G. Edgar Harr Sons' Corp

The enclosed permits for lots 3 & Parcel 36 are to acquire tags for existing wells that we have deepened or brought above grade. The permit for lot 1 is a request to drill a replacement well, because the existing well failed its yield test. I believe that you have spoken with Michael Charlton from Elm Street Development about it already. They are anxious to drill lot 1, and we will drill it as soon as you can approve the permit. Please call me at 410-252-4588 if you have any questions. Thank You.

**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: 6321 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 #: 36 Well Tag #: HO-95-1127
Site Address: 10117 Saddlebrook Farm Trail
Woodstock, MD 21763

Submersible Pump Data

Make: STA-RT
Model #: 510P4NS07221
Pump Capacity: 10 GPM
Well Yield: 13.63 GPM

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.: ☒

Depth of well encountered at time of pump installation: 300 (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, 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

Piping to house

Type: PV
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: ☒

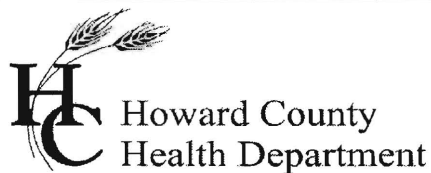
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation

date

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

Date Insp. Requested: _____ Date Insp. Approved: 1/3/2011 Inspector: RB
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 ☒



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

January 28, 2011

Homeowner
10111 Saddlebrook Farm Trail
Woodstock, MD 21163

RE: Saddlebrook Farm, Lot Par 36
10111 Saddlebrook Farm Trail
BP #: B10002917
Well Tag: HO-95-1127

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 01/10/2011. Final approval of the well line connection to the dwelling was approved on 01/03/2011.**

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 01/24/2011. Results showed a Gross Alpha level of **4.7 +- 1.6 pCi/L** and **Gross Beta** level of **4.5 +- 1.4 pCi/L**. The **Gross Alpha** was below the maximum contaminant level (MCL) of 15 pCi/L, while the Gross Beta was below the MCL of 50pCi/L. Future well water supply appears safe for all uses.

Enclosed with this certificate, is a copy of the septic permit and the as-built along with important information regarding the use and maintenance of your septic system. Please read through carefully and thoroughly. Any questions regarding your well and/or septic, please call this office for guidance 410-313-1771.

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-95-1127. 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: 01/24/2011
Date of Well Completion: 05/17/2007

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 Hygiene Program
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: 80189-1 *Amended***Report Date:** January 25, 2011*Raw Sample*

Property Sampled: 10111 Saddlebrook Farm Trail, 21163
Sample Location: Pressure Tank
Residual Chlorine: <0.1 mg/L

Building Permit #: B10002917
Sampler ID #: 9813AM
Samples Iced: Yes

County: Howard
Map: 11

Subdivision: Saddlebrook Farms
Parcel: 19

Lot #: 36**Date/Time Collected in Field:** January 24, 2011 @ 11:15 am**Date/Time Received in Lab:** January 24, 2011 @ 12:30 pm**Well Tag #:** HO-95-1127**Well Condition:** 2-Piece Cap, Satisfactory**Water Treatment/Conditioning:** Neutralizer, Softener

PARAMETER	METHOD	MCL/*SMCL	RESULT	PASS/FAIL
Total Coliform	SM 9223B	Absent	Absent	Pass
<i>E. coli</i>	SM 9223B	Absent	Absent	Pass
Nitrate	SM 4500D	10 mg/L as N	6.8 mg/L as N	Pass
Turbidity	EPA 180.1	10 NTU	1.2 NTU	Pass
pH	EPA 150.1	*6.5-8.5 Units	7.2 Units	***
Sand		Negative	Negative	

Katherine C. Higgs
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.



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Maryland State Certified Laboratory #318

CERTIFICATE OF ANALYSIS

Requester:

NV Homes, Inc.
6085 Marshalee Drive Suite 130
Elkridge, Maryland 21075

S/O Number: 80189-2 Amended

Report Date: January 25, 2011

Treated Sample

Property Sampled: 10111 Saddlebrook Farm Trail, 21163
Sample Location: Test Cock After Treatment
Residual Chlorine: <0.1 mg/L

Building Permit #: B10002917
Sampler ID #: 9813AM
Samples Iced: Yes

County: Howard
Map: 11

Subdivision: Saddlebrook Farms
Parcel: 19

Lot #: 36

Date/Time Collected in Field: January 24, 2011 @ 11:10 am
Date/Time Received in Lab: January 24, 2011 @ 12:30 pm

Well Tag #: HO-95-1127
Well Condition: 2-Piece Cap, Satisfactory

Water Treatment/Conditioning: Neutralizer, Softener

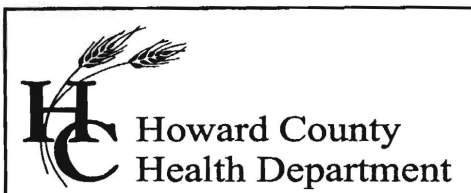
PARAMETER	METHOD	MCL/*SMCL	RESULT	PASS/FAIL
Total Coliform	SM 9223B	Absent	Absent	Pass
E. coli	SM 9223B	Absent	Absent	Pass
Nitrate	SM 4500D	10 mg/L as N	6.4 mg/L as N	Pass
Turbidity	EPA 180.1	10 NTU	6.5 NTU	Pass
pH	EPA 150.1	*6.5-8.5 Units	8.1 Units	***
Sand		Negative	Negative	

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.



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website: www.hchealth.org

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

May 23, 2007

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

RE: Saddlebrook Farm, Parcel 36
Well Tag: HO-95-1127

To Whom It May Concern:

A sample was collected from a yield test on December 13, 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 19.7 ± 3.1 picocuries/liter (pCi/L); while the **Gross Beta** level was 11.5 ± 1.5 pCi/L. The **Gross Alpha** result was above 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).

Since the **Gross Alpha** finding exceeded its MCL, additional testing for **Radium** will be necessary to verify existing levels prior to occupancy. Alternatively, you may install treatment designed to reduce **Gross Alpha**, **Gross Beta** and **Radium**, plus provide post treated results (short and long term **GAGB**, plus **Radium**) confirming that levels are in conformance with existing standards. **Additionally**, the owners will be required to sign an "AGREEMENT FOR APPROVAL OF AN INDIVIDUAL DRINKING WELL WITH AN ON-SITE TREATMENT SYSTEM" as part of the Use and Occupancy process. Moreover, keep in mind that the standard potability parameters required for occupancy will still be needed.

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

Zach Fish, FSH Associates, 6339 Howard Lane, Elkridge., MD 21075



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Maryland State Certified Laboratory #318

CERTIFICATE OF ANALYSIS

Requester:

NV Homes, Inc.
6085 Marshalee Drive Suite 130
Elkridge, Maryland 21075

S/O Number: 80189-2

Report Date: January 27, 2011

Treated Sample

Property Sampled: 10111 Saddlebrook Farm Trail, 21163
Sample Location: Test Cock After Treatment
Residual Chlorine: <0.1 mg/L

Building Permit #: B10002917
Sampler ID #: 9813AM
Samples Iced: Yes

County: Howard
Map: 11

Subdivision: Saddlebrook Farms
Parcel: 19

Lot #: 36

Date/Time Collected in Field: January 24, 2011 @ 11:10 am

Date/Time Received in Lab: January 24, 2011 @ 12:30 pm

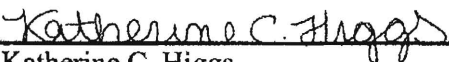
Well Tag #: HO-95-1127

Well Condition: 2-Piece Cap, Satisfactory

Water Treatment/Conditioning: Neutralizer, Softener

PARAMETER	METHOD	DETECTION LIMIT	MCL*	RESULT	ACCEPTABILITY
Gross Alpha	EPA 900.0	1.3 pCi/L	15 pCi/L	4.7 ± 1.6 pCi/L	Acceptable
Gross Beta	EPA 900.0	2.0 pCi/L	50 pCi/L	4.5 ± 1.4 pCi/L	Acceptable

*Note: There are no established limits set forth by the EPA for radionuclide particles in private well water. The limits for public water are instead provided as MCLs in this report. The acceptability of this sample is based on these requirements.


Katherine C. Higgs
Administrative Assistant

Best Nixon

John M. DeBoy, Dr. P.H., Director

He. 4. 1127

Plant/Site Name: Saddle Brook Farms County: Howard
Sample Source: Parcel 36 Location: Parcel 36 well (No Tag)
(well no., lab sink, sample tap, etc.)

CHECK (one per box)

Emergency	<input type="checkbox"/>
Routine	<input checked="" type="checkbox"/>
Recheck	<input type="checkbox"/>
Special	<input type="checkbox"/>

Submitters Code: ☐ ☐ **Federal Project:** ☐ **Field Data:** ☐ ☐

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	612130-001	19.7 ± 3.1	12/12/06
✓	Gross Beta	4100		11.5 ± 1.5	
	Radon-222 Bottle A	4004			
	Radon-222 Bottle B	4004			
	Field Blank A	4004			
	Field Blank B	4004			
	Tritium				
	Ra - 226	4020			
	Ra - 228	4030			
	Total Uranium	4006			

Supervisor: _____



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: 80189-1

Report Date: January 27, 2011

Raw Sample

Property Sampled: 10111 Saddlebrook Farm Trail, 21163
Sample Location: Pressure Tank
Residual Chlorine: <0.1 mg/L

Building Permit #: B10002917
Sampler ID #: 9813AM
Samples Iced: Yes

County: Howard
Map: 11

Subdivision: Saddlebrook Farms
Parcel: 19

Lot #: 36

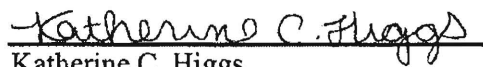
Date/Time Collected in Field: January 24, 2011 @ 11:15 am
Date/Time Received in Lab: January 24, 2011 @ 12:30 pm

Well Tag #: HO-95-1127
Well Condition: 2-Piece Cap, Satisfactory

Water Treatment/Conditioning: Neutralizer, Softener

PARAMETER	METHOD	DETECTION LIMIT	MCL*	RESULT	ACCEPTABILITY
Gross Alpha	EPA 900.0	1.1 pCi/L	15 pCi/L	5.2 ± 1.6 pCi/L	Acceptable
Gross Beta	EPA 900.0	2.0 pCi/L	50 pCi/L	4.8 ± 1.5 pCi/L	Acceptable

*Note: There are no established limits set forth by the EPA for radionuclide particles in private well water. The limits for public water are instead provided as MCLs in this report. The acceptability of this sample is based on these requirements.


Katherine C. Higgs
Administrative Assistant