

C1. 25480

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.

COUNTY NUMBER

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

ST/CO USE ONLY

DATE RECEIVED

MM 08 DD 10 YR 15

DATE WELL COMPLETED

MM 7 DD 22 YR 15

Depth of Well

22 700 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

HO-14-0196

OWNER: KD Builders LLC
WELL SITE ADDRESS: 1175 Pindell School Rd
TOWN: Fulton
SUBDIVISION: Simons Acres SECTION: LOT 2

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, FEET (FROM, TO), check if water bearing. Rows include Dirt, Blue Mica, Hydrofrac.

GROUTING RECORD
WELL HAS BEEN GROUTED (Y) (N)
TYPE OF GROUTING MATERIAL (Circle one)
CEMENT (CM) BENTONITE CLAY (BC)
NO. OF BAGS 25 NO. OF POUNDS 2350
GALLONS OF WATER 325
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 95 ft.

CASING RECORD
casing types insert appropriate code below
MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 60 61 Total depth of main casing (nearest foot) 95 66 70

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

SCREEN RECORD
screen type or open hole insert appropriate code below
(ST) (BR) (HO) (PL) (OT)

PUMPING TEST
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min.) 2.
METHOD USED TO MEASURE PUMPING RATE Submersible
WATER LEVEL (distance from land surface) BEFORE PUMPING 50 ft. WHEN PUMPING 300 ft.
TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED
DRILLER INSTALLED PUMP (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 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 (nearest foot) (-) below

NUMBER OF UNSUCCESSFUL WELLS: 0
WELL HYDROFRACTURED (Y) (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 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...

DRILLER'S LIC. NO.: MD 579
DRILLER'S SIGNATURE: Frank Phelps
LIC. NO.: D

DEPTH (nearest ft.) HO 96 700
EACH CASING: 1 HO 96 21, 2 23 24 26 30 32 36, 3 38 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 66
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) W Q
70 72 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

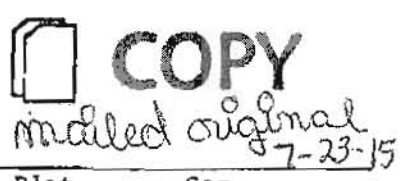
LATITUDE 39.173929
LONGITUDE 76.912688
(DEFAULT COORD. WGS 84)
NOTES: John Hopkins Andell School Rd
Well 40' House

B 1	<b>26864</b>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND <b>APPLICATION FOR PERMIT TO DRILL WELL</b> 55538 please type	STATE PERMIT NUMBER <b>HO-14-0196</b> fill in this form completely								
Date Received (APA) 01 05 13 8 MM DD YY 13		OWNER INFORMATION										
15 Last Name <b>KD Builders LLC</b>		34 First Name										
36 Street or RFD <b>6420 AUTUMN SKY WAY</b>		55										
57 Town <b>Columbia MD</b>		70 State <b>MD</b>		76 Zip <b>21044</b>								
DRILLER INFORMATION		B 3 LOCATION OF WELL										
76 Driller's Name <b>RALPH MAYNE</b>		8 COUNTY <b>Howard</b>										
81 License No. <b>MS D 117</b>		21 <b>7175 Pindell School Rd. Acres</b>										
Firm Name <b>Ralph Mayne Well Drilling</b>		23 SUBDIVISION										
Address <b>17024 Handy Rd. Mt. Airy MD 21771</b>		SECTION [ ] LOT <b>2</b>										
Signature <i>[Signature]</i>		44 46 48 50										
Date <b>1/15/15</b>		52 NEAREST TOWN <b>Fulton</b>										
B 2 WELL INFORMATION		B 4 SOURCES OF DRILLING WATER										
7 APPROX. PUMPING RATE <b>5</b>		11 STREET ADDRESS <b>7175 Pindell Sch Rd</b>										
12 (GAL PER MIN.)		30										
8 AVERAGE DAILY QUANTITY NEEDED <b>500</b>		2. <b>well</b>										
14 (GAL PER DAY)		3. <b>well</b>										
20		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)										
		<table style="margin-left:auto; margin-right:auto;"> <tr><td>NORTH</td><td>N</td><td>EAST</td><td>E</td></tr> <tr><td>WEST</td><td>W</td><td>SOUTH</td><td>S</td></tr> </table>			NORTH	N	EAST	E	WEST	W	SOUTH	S
NORTH	N	EAST	E									
WEST	W	SOUTH	S									
		34 <b>40</b> 37 DISTANCE FROM ROAD										
		ENTER FT OR MI 38 39										
		TAX MAP: <b>41</b> BLK: _____ PARCEL <b>413</b>										
USE FOR WATER (CIRCLE APPROPRIATE BOX)		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL										
<input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION		Howard <b>(13)</b> <b>A56390</b>										
<input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)		COUNTY NO.										
<input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING		STATE SIGNATURE _____ INSERT S →										
<input type="checkbox"/> PUBLIC WATER SUPPLY WELL		DATE ISSUED <b>1/21/15</b>										
<input type="checkbox"/> TEST, OBSERVATION, MONITORING		CO SIGNATURE <b>[Signature]</b> EXP DATE <b>1/21/16</b>										
<input type="checkbox"/> OPEN LOOP GEOTHERMAL		43 MM DD YY 48										
<input type="checkbox"/> CLOSED LOOP GEOTHERMAL												
APPROXIMATE DEPTH OF WELL <b>150</b> FEET		PROPOSED LOCATION OF WELL ON LOT										
24 28		SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL										
APPROXIMATE DIAMETER OF WELL <b>64</b> INCH		<div style="border: 1px solid black; padding: 5px; display: inline-block;">Sodium, chloride TDS samples taken 7/22/15 SC</div> John Hopkins Rd Pindell School Rd well (x) c 40'										
METHOD OF DRILLING (circle one)												
BORED (or Augered) <input checked="" type="checkbox"/> AIR-ROTARY												
JETTED <input type="checkbox"/> JETTED & DRIVEN												
AIR-PERCussion <input type="checkbox"/> ROTARY (Hydraulic Rotary) <input type="checkbox"/>												
CABLE <input type="checkbox"/> REVERSE-ROTARY <input type="checkbox"/> DRIVE-POINT <input type="checkbox"/>												
other _____												
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)												
<input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL												
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED												
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS												
<input type="checkbox"/> THIS WELL WILL DEEPEM AN EXISTING WELL												
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52												
Not to be filled in by driller (MDE OR COUNTY USE ONLY)												
APPROP. PERMIT NUMBER _____ G _____												
PERMIT No. <b>HO-14-0196</b>												
70 71 72 73 74 75 76 77 78 79												
SPECIAL CONDITIONS												
NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED												

of  
7-22-15

Review \_\_\_\_\_

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

 COPY  
7-23-15

Well Permit No. HO - HO-14-0196  
Location of property (road) 7175 Pindell School Rd.  
Subdivision Simons Acres Lot 2 Block \_\_\_\_\_ Flat \_\_\_\_\_ Sec. \_\_\_\_\_  
Well Driller Phillips and Son Owner Franklin Phillips

Depth of well \_\_\_\_\_  
Distance of measuring point (M.P.) above ground 1 FT  
Static water level (S.W.L.) below M.P. 50'

I. High rate pumping -- reservoir drawdown

Time pump started 800 Pumping rate 20 GAL  
Total time 1 HR to reach pumping water level 300 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 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
900	300	20 sec		2 GAL
915	300	20 sec		2 GAL
930	300	20 sec		2 GAL
945	300	20 sec		2 GAL
1000	300	20 sec		2 GAL
1015	300	20 sec		2 GAL
1030	300	20 sec		2 GAL
1045	300	20 sec		2 GAL
1100	300	20 sec		2 GAL
1115	300	20 sec		2 GAL
1130	300	20 sec		2 GAL
1145	300	20 sec		2 GAL
1200	300	20 sec		2 GAL
1215	300	20 sec		2 GAL
1230	299	20 sec		2 GAL
1245	299	20 sec		2 GAL
100	300	20 sec		2 GAL
115	300	20 sec		2 GAL
130	299	20 sec		2 GAL
145	299	20 sec		2 GAL
200	299	20 sec		2 GAL
215	300	20 sec		2 GAL
230	300	20 sec		2 GAL
245	300	20 sec		2 GAL
	300	20 sec		

HD-224  
300



**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: Joel Isaacs Plbg Svc Telephone #: 410 365-1279  
Address: 643 E. Watersville Rd  
Mt. Airy, MD 21771

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): Joel Isaacs License# MD-4524

**\*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: Columbia Builders, Inc Telephone #: 410 730-3939  
Subdivision: Simons Acres Lot #: 2 Well Tag #: HO-14-0196 ✓  
Site Address: 7175 Pindell School Rd  
Edilton, MD 20759

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Grundfos</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>1.5 hp</u>	Model#: <u>1</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity: <u>5</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>2.6</u> GPM	NSF/WSC approved: <input checked="" type="checkbox"/>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>700</u> (feet) Conduit secured to well cap: <input checked="" type="checkbox"/>		
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4		
Torque arrestors, <u>Cable guards</u> or other acceptable method used- Must circle one		
Safety rope, if used, attached to brass rope adapter or other acceptable method <u>inside of well casing</u> ✓		

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>1" Poly</u>	PVC sleeve to undisturbed soil at wall penetration: <input checked="" type="checkbox"/>
PSI: <u>160</u> (160 psi min)	Length of sleeve (5' minimum from foundation): <u>10'</u>
Depth of supply line: <u>42"</u> (36" min)	Sleeve sealed properly: <input checked="" type="checkbox"/>

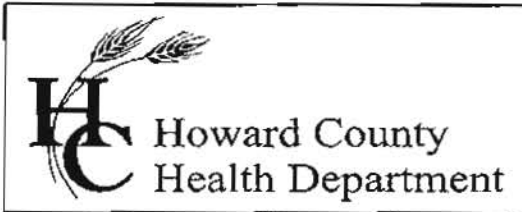
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: [Signature] date: 8-21-17

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

Date Insp. Requested: 8-22-17 Date Insp. Approved: 8-22-17 Inspector: [Signature]

Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade	<input checked="" type="checkbox"/>
Two piece cap installed and attached to casing securely	<input checked="" type="checkbox"/>
Elec. conduit extends at least 18" below grade/attached to cap properly	<input checked="" type="checkbox"/>
Safety rope not outside of well cap/casing	<input checked="" type="checkbox"/>
Correct well tag attached properly and casing 8" above finished grade	<input checked="" type="checkbox"/>
Water supply line sleeved adequately at house connection	<input checked="" type="checkbox"/>
Adequate grout observed below pitless adapter	<input checked="" type="checkbox"/>



## Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

Maura J. Rossman, M.D., Health Officer

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### INTERIM CERTIFICATE OF POTABILITY

Expiration Date – MAY 13, 2018

November 13, 2017

Homeowner  
7175 Pindell School Road  
Fulton, MD 20759

**RE: Simons Acres, Lot 2**  
**7175 Pindell School Road**  
**Building Permit: B17000328**  
**Well Permit: HO-14-0196**

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on 7/24/2017. Final approval of the well line connection to the dwelling was granted on 8/22/2017. The well construction was completed on 7/22/2015. Water samples were collected on 10/19/2017, 10/30/2017.

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. 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-14-0196. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

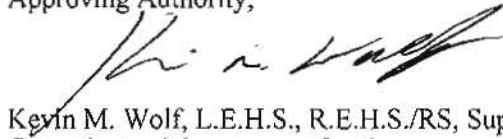
This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the Annotated Code of Maryland, Environment Article, 9-1311, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:

<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

In closing, please refer to our "[Homeowner Fact Sheet](#)" which illustrates a better understanding for your onsite sewage disposal system. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,



Kevin M. Wolf, L.E.H.S., R.E.H.S./RS, Supervisor  
Groundwater Management Section  
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits  
Community Hygiene Program  
File

## Wolf, Kevin

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**From:** John Boris -MDE- <john.boris@maryland.gov>  
**Sent:** Wednesday, September 02, 2015 12:58 PM  
**To:** Wolf, Kevin  
**Cc:** Collins, Sarah; Steven Krieg -MDE-  
**Subject:** Re: 7175 Pindell School Road Hydrofracture

Kevin,

Based on those dates they may have a good argument on this one for not being a violation. Ralph probably signed the contract some time before the regulation went to final. However, how do you yield test a well that did not produce water? We would not have caught that before and maybe not even now. It's hard to punish someone who filled out the form. Honesty still gets you somewhere. If you choose not to send the violation I will follow up with both of them. Regardless of how you proceed I'll need all the information you have. This ones a good one for training.

Since you've asked the question let's just go over this for the exercise. Lots of stuff going on here. First, in regards to the distance I'd ask you to check the Appropriations Permit. They've been special conditioning wells to be 100' apart in certain areas of the Piedmont for new construction. If it's a replacement well, you should special condition the form with your County instructions to notify the HCHD before proceeding. I'm not entirely sure we don't know if it was pumped after the hydrofrac. How would we? They are not required to call in a frac on a new well. That's the importance of knowing what's going on in a certain area from both a setback and hydrogeological perspective. At this point I think the well has sat long enough that we have an equilibrium within the fractures. If someone admits to not pumping it out I would settle for another 6 hour yield test for compliance.

Good question. I hope I provided you with a good answer.

John A. Boris, Jr., LEHS  
Geologist Program Consultant  
Maryland Dept. of the Environment  
Onsite Systems Division  
Office: (410) 537-3678  
Cell: (443) 992-6195  
Fax: (410) 537-3163

On Wed, Sep 2, 2015 at 9:19 AM, Wolf, Kevin <[KWolf@howardcountymd.gov](mailto:KWolf@howardcountymd.gov)> wrote:

John,  
Sarah discussed this situation with you last Wednesday. Phillip and Sons Drilling did the well under Ralph Mayne. Here is the issue, well several issues:

1. Permit was sent in prior to January 19<sup>th</sup> and issued January 21<sup>st</sup>. → Does this adhere to the old regulations or new regulations?

If new regulations, we have several violations here that fall under .28:

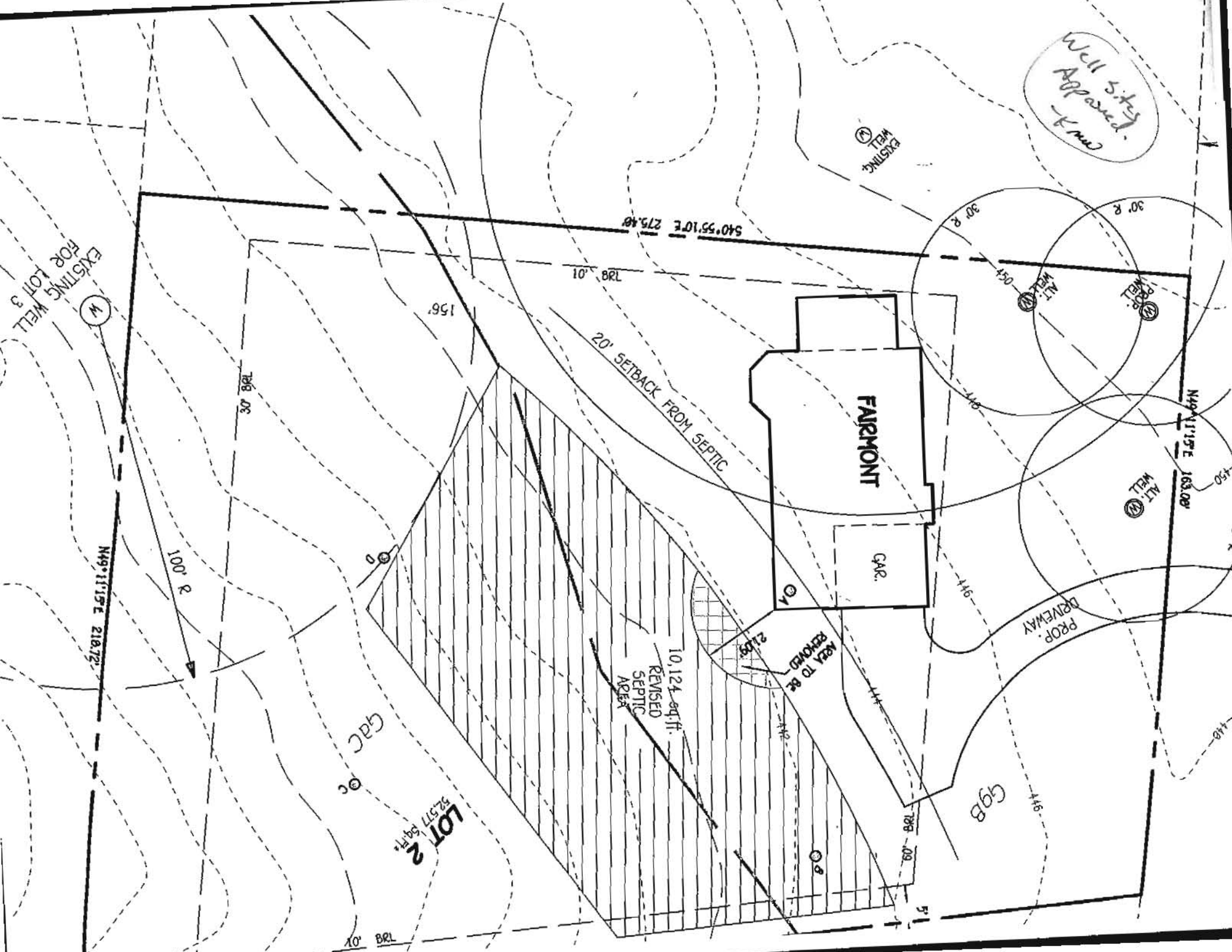
2. .28 A notification was not announced.
3. E. within 100' but great than 50' to existing well.
4. I. (2) Frac form states source water was from a well but the well yielded '0gpm' How is this possible?
5. K. No yield test data sheet was submitted but the completion report states 2gpm was pumped for 6hrs = 1000g where the frac report states they used 1000g to frac the well.

How should we proceed? NOV? Ask for a yield test data sheet? Make them re-yield this well showing 1000g of water removed first??

#### CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

Well sites  
Approved.  
K.M.W.





State of Maryland  
 DHMH-Laboratories Administration  
 Division of Environmental Chemistry  
**TRACE METALS LABORATORY**  
 1770 Ashland Avenue, Baltimore, Maryland 21205  
 Robert Myers, Ph.D., Director



## Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH  
 8930 STANFORD BLVD  
 COLUMBIA, MD 21045

Lab Project No: E16000268 Date Coll.: 07/22/2015 Date Received 07/23/2015 Submitted By Collins

Field ID: HO-14-0196  
 Lab No.: E16000268001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	4.69	ppm	07/29/2015

**Comments:**

Approved by: <u><i>Sadia Munson</i></u>	Approval date: <u>08/04/2015</u>
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\*\*The following methods are included in our A2LA Scope of Accreditation: EPA 200.7, EPA 200.8, EPA 245.1.

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call (410) 767-6944 and arrange for return or destruction.

MARYLAND DEPARTMENT OF THE ENVIRONMENT WATER MANAGEMENT ADMINISTRATION  
 1800 Washington Blvd. Baltimore, Maryland 21230 (410) 537-3784

\*\*\*\*\*  
 WATER WELL HYDROFRACTURE REPORT  
 \*\*\*\*\*

WELL TAG NUMBER H0-14-0196 DATE WORK PERFORMED (mm/dd/yyyy) 7/21/15

WELL SITE ADDRESS 7175 Pindell School Road Fulton, MD

TAX MAP 41 BLK \_\_\_\_\_ PARCEL 413 LATITUDE 39.173929 LONGITUDE 76.912688

CASING DEPTH 95 FT CASING TYPE (circle) ST OR PVC DIAMETER 6

WELL DEPTH 700 FT WATER LEVEL BEFORE FRAC 700 FT YIELD BEFORE FRAC 0 GPM

PACKER SETTINGS (circle) SINGLE or MULTIPLE SET DEPTH OF SHALLOWEST PACKER 200 FT

SOURCE OF WATER Well

OBSERVATIONS

SET NUMBER	TOP ZONE (FT)	BOTTOM ZONE (FT)	MAX PRESSURE (PSI)	WATER VOLUME USED (GALLONS)	
1	1	200	205	500	500
2	2	300	305	500	500
3					
4					
5					

WATER LEVEL AFTER FRAC 300 FT YIELD AFTER FRAC 2 GPM

NOTE: YIELD TEST PROCEDURES CAN BE FOUND UNDER COMAR 26.04.04.26.G.

**REGULATIONS FOR HYDROFRACTURING OF WATER WELLS CAN BE FOUND IN COMAR 26.04.04.28. FAILURE TO FOLLOW REGULATORY PROCEDURES WILL CONSTITUTE RECEIVING A WRITTEN VIOLATION WHICH MAY RESULT IN PENALTIES DESCRIBED IN COMAR 26.04.04.38.**

This Notice is provided pursuant to §10-624 of the State Government Article of the Maryland code. The Personal Information Requested on this form is intended to be used in processing this form pursuant to COMAR 26.04.04. Failure to provide the information requested may result in the form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment ("MDE") is a public agency and subject to the Maryland Public Information Act. This form may be made available on the internet via MDE's website and subject to inspection or copying, in whole or in part, by the public and other government agencies, if not protected by Federal or State law.

Frank Phillips  
 DRILLER SIGNATURE

MWD 579  
 LIC #

**FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.**

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

**REPORT OF ANALYSIS**

Laboratory ID #:	117846	Account #:	1550
Reference:	Columbia Builders	Company:	Columbia Builders
Location:	7175 Pindell School Road Fulton, MD 20759	Requested By:	Terry Brownley
Date/ Time Collected:	10/19/2017 1200	Source:	Well Water
Date/Time Rec'd:	10/19/2017 1354	Site:	Pressure Tank
Chlorine ppm:	Free: ND Total: ND	Treatment:	Prior to Spin Down Separator
Collected By:	J. Yeager 6176JY	pH:	6.7
		Well #:	HO-14-0196

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	6.4	MPN/ 100 ml	<1.0	SM20 9223	10/20/2017 / 1000 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	10/20/2017 / 1000 / LLO
Nitrate	<1.0	mg/L	10	601	10/20/2017 / 0930 / CRS
Turbidity	2.42	NTU	<10	SM20 2130B	10/20/2017 / 0945 / CRS
Sand	NS	mg/L	5	Visual/Gravimetric	10/20/2017 / 0945 / CRS

**NOTES**

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NS = None Seen (NS indicates less than 5 mg/L)
- 4 NTU = Nephelometric Turbidity Units
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND:None Detected
- 7 Visual well check: Sealed, vented cap
- 8 pH & Chlorine level tested on site

**Reason for Test :** Use & Occupancy  
**Building Permit # :** B17000328

Date Reported: 10/20/2017

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 Fisher-Collins & Carter on Nov 20 2014 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

ATT Lot 2 Simpsons Acres  
FOR KD Builders LLC  
PH 443-964-1181





State of Maryland  
 DHMH-Laboratories Administration  
 Division of Environmental Chemistry  
**INORGANICS ANALYTICAL LABORATORY**  
 1770 Ashland Avenue, Baltimore, Maryland 21205  
 Robert Myers, Ph.D., Director



## Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH  
 8930 STANFORD BLVD  
 COLUMBIA, MD 21045

Lab Project NoE16000267 Date Coll. 07/22/2015 Date Received 07/23/2015 Submitted By: S. Collins

Field ID: HQ-14-0196  
 Lab No.: E16000267001

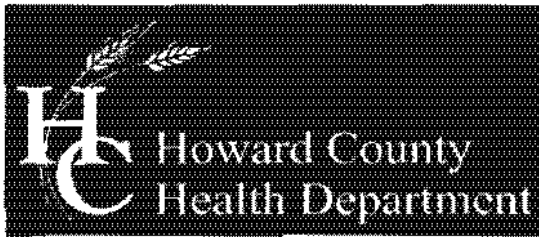
<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	<10	mg/L	07/29/2015
Total Dissolved Solids	SM 2540C	134	mg/L	07/29/2015

Comments:

Approved by: <u><i>Shabana Aneli</i></u>	Approval date: <u>07/31/2015</u>
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\*The following methods are included in our A2LA Scope of Accreditation: EPA150.1, EPA 353.2, EPA 375.2, SM4500F C, SM 4500-CN G & QCM-CN, QCM-CN

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call (410) 767-6190 and arrange for return or destruction.



Bureau of Environmental Health

8930 Stanford Blvd, Columbia, MD 21045  
Main: 410-313-2640 | Fax: 410-313-2648  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
www.hchealth.org

Maura J. Rossman, M.D., Health Officer

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September 9, 2015

**MEMORANDUM**

TO: Ralph Mayne  
Phillip & Sons Drilling Inc.

FROM: Sarah Collins SEC  
Howard County Health Department  
Well and Septic Program

RE: Well at 7175 Pindell School Road (HO-14-0196)

---

The Health Department recently received a completion report for well #HO-14-0196 at 7175 Pindell School Road. The original permit was issued to Ralph Mayne; the completion report indicates that the well was drilled by Phillips & Sons Drilling Inc.

Phillips & Sons specified that the well was hydrofractured and included a report. A total of 1000 gallons was used in the well hydrofracture. There is no indication that Phillips & Sons pumped out the water used in hydrofracture prior to the yield test.

The completion report shows a yield of two gallons per minute over six hours. However, no yield test data sheet was submitted with the completion report.

**In order for the Health Department to approve the completion report, a six-hour yield test must be repeated and a yield test data sheet must be submitted. Prior to the yield, 1000 gallons must be pumped out to ensure the water used to hydrofracture has no effect on the yield. Please notify the Health Department of the start time of the 1000-gallon removal and yield test.**

Future hydrofracturing must comply with *COMAR 26.04.04.28(A) The Approving Authority shall be notified at least 2 business days in advance of commencing hydrofracturing work on an existing well and COMAR 26.04.04.28(E) Hydrofracturing a well within 100 feet of another water supply well requires written approval from the Approving Authority.*

Cc: File

MD DHMH Laboratories Administration  
1770 Ashland Avenue  
Baltimore City, MD 21205

  
**E16000268001**  
Received: 07/23/2015  
Metals HO-14-0196

Send Report To: Bert Nixon

Howard Co Health Dept.  
Bureau of Environmental Health  
5932 Stanford Blvd  
Columbia, MD 21045

Division of Environmental Chemistry  
**ENVIRONMENTAL METALS SECTION**  
201 W. Preston Street, Baltimore, Maryland 21201  
Robert A. Myers Ph.D. Director

Do not write above this line

PS/4  
07-23-15

D

**LABORATORY ANALYSIS REQUEST**  
Please Print

Sample ID No: HO-14-0196 Site Name: Simons Acres Lot 2 County: Howard

Sample Source: 7175 Pindell School Rd. Fulton Collector: S. Collins  
Street Town or City Name

Date Collected: 7/22/2015 Time Collected: 10:30 a.m. p.m. Phone #: 410-213-6287

Sample Preserved By:  Field  ESRL  WMRL  Central Lab

Preservative Used:  HNO<sub>3</sub> pH < 2

Sample Type:  Drinking Water  Landfill  Source (Raw Water)  Liquid  
 Community  Stream  Distribution (Treated)  Solid  
Data Category  Non-Community  Sediment  Other \_\_\_\_\_  
Code   Private

Specify Program:  SDWA  NPDES  CWA  RCRA  Consumer Products  Other \_\_\_\_\_

Type of Sample Preparation:  Total Metals  Total Metals TCLP  Dissolved Metals  
(field preparation required)

Remarks: Sample taken during yield test

✓	Element	Results (ppm)	✓	Element	Results (ppm)
	Antimony (Sb)			Copper (Cu)	
	Arsenic (As)			Lead (Pb)	
	Barium (Ba)			Silver (Ag)	
	Beryllium (Be)			Zinc (Zn)	
	Cadmium (Cd)			Aluminum (Al)	
	Chromium (Cr)			Iron (Fe)	
	Mercury (Hg)			Manganese (Mn)	
	Nickel (Ni)			Calcium (Ca)	
	Selenium (Se)			Magnesium (Mg)	
✓	Sodium (Na)			Potassium (K)	
	Thallium (Tl)			Uranium (U)	

Lab Supervisor: \_\_\_\_\_

Date Reported: \_\_\_/\_\_\_/\_\_\_

• Phone: (410) 767 - 6186

• Fax: (410) 333 - 5122

MH 4432 (4/13)

SUBMITTER'S COPY

**FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.**

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

**REPORT OF ANALYSIS**

Laboratory ID #:	118046	Account #:	1550
Reference:	Columbia Builders	Company:	Columbia Builders
Location:	7175 Pindell School Road Fulton, MD 20759	Requested By:	Terry Brownley
Date/ Time Collected:	10/30/2017 1030	Source:	Well Water
Date/Time Rec'd:	10/30/2017 1234	Site:	Left Hose Bib
Chlorine ppm:	Free: ND Total: ND	Treatment:	**
Collected By:	J. Yeager 6176JY	pH:	7.4
		Well #:	HO-14-0196

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	10/31/2017 / 1000 / CCH
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	10/31/2017 / 1000 / CCH

OK

**NOTES**

- 1 \*\*Sampler confirmed no treatment - there was no sediment filter in housing.
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 4 ND:None Detected
- 5 Visual well check: Sealed, vented cap
- 6 pH & Chlorine level tested on site

Reason for Test : Use &amp; Occupancy

Building Permit # : B17000328

Date Reported: 10/31/2017



# FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
	7175 Pindell School Road
	Perce Cert (1996) Approved without well location.
12/10/2010	A plan, (inc. a copy of Perce Cert)
PB	with at least 2 well site locations,
	or well box, and a building envelope
	must be presented.
2-27-15	Well needs to be drilled
	BAT plan needs to be revised to show
	trenches.