



B 1	27267	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type <i>557998</i>	STATE PERMIT NUMBER <i>HO-15-0210</i> <small>70 fill in this form completely 79</small>
Date Received (APA) <i>02/17/16</i> <small>8 MM DD YY 13</small>		<b>OWNER INFORMATION</b>		
Last Name <i>Frank</i>		Owner <i>Stephen</i>		First Name <i>Frank</i>
Street or RFD <i>8349 Reservoir Rd.</i>		Town <i>Fulton</i>		State <i>MD</i>
Zip <i>20759</i>				
<b>DRILLER INFORMATION</b>				
Driller's Name <i>David Kelly</i>		License No. <i>MWD 304</i>		
Firm Name <i>Jones Well Drilling</i>				
Address <i>3700 Rush Rd. Jarrettsville MD 21084</i>				
Signature <i>David Kelly</i>		Date <i>2-10-16</i>		
B 2	<b>WELL INFORMATION</b>			
APPROX. PUMPING RATE (GAL. PER MIN.)		<i>5</i>		
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)		<i>400</i>		
<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b>				
<input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION				
<input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)				
<input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING				
<input type="checkbox"/> PUBLIC WATER SUPPLY WELL				
<input type="checkbox"/> TEST, OBSERVATION, MONITORING				
<input type="checkbox"/> OPEN LOOP GEOTHERMAL				
<input type="checkbox"/> CLOSED LOOP GEOTHERMAL				
<b>NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL</b>				
COUNTY NAME <i>Howard</i>		COUNTY NO. <i>(13)</i>		
STATE SIGNATURE		INSERT S →		
DATE ISSUED <i>2/13/16</i>		CO SIGNATURE <i>SpL Kelly</i>		
<small>43 MM DD YY 48</small>		<small>41 EXP. DATE</small>		
APPROXIMATE DEPTH OF WELL <i>300</i> FEET				
APPROXIMATE DIAMETER OF WELL <i>6</i> INCH				
<b>METHOD OF DRILLING (circle one)</b>				
<input type="checkbox"/> BORED (or Augered) <input checked="" type="checkbox"/> JETTED <input type="checkbox"/> Jetted & DRIVEN				
<input type="checkbox"/> AIR-ROTary <input checked="" type="checkbox"/> AIR-PERCussion <input type="checkbox"/> ROTARY (Hydraulic Rotary)				
<input type="checkbox"/> CABLE <input type="checkbox"/> REverse-ROTary <input type="checkbox"/> Drive-POINT				
other _____				
<b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b>				
<input 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 checked="" 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) _____				
<b>Not to be filled in by driller (MDE OR COUNTY USE ONLY)</b>				
APPROX. PERMIT NUMBER _____ <i>G</i> _____				
PERMIT No. <i>HO-15-0210</i>				
<small>70 71 72 73 74 75 76 77 78 79</small>				
<b>SPECIAL CONDITIONS</b>				
<small>NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED</small>				

**LOCATION OF WELL**

COUNTY *Howard*

SUBDIVISION *Williams Contrivance Estates*

SECTION *44* LOT *11*

NEAREST TOWN *Fulton*

**SOURCES OF DRILLING WATER**

1. *potable well*

STREET ADDRESS *8349 Reservoir Rd.*

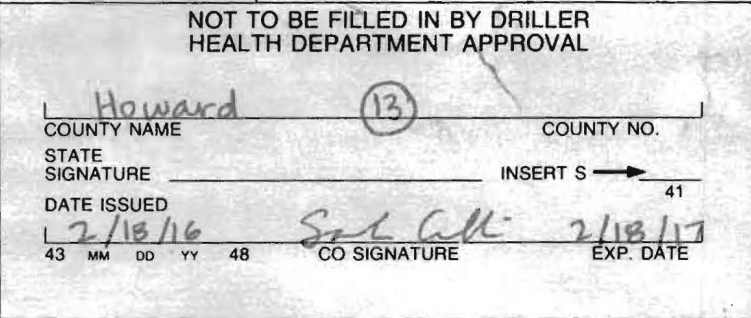
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH  
 WEST  
 EAST  
 SOUTH

DISTANCE FROM ROAD *30* FT

ENTER FT OR MI *FT*

TAX MAP: *0045* BLK: *6* PARCEL *0047*



**JONES WELL DRILLING**  
**3700 RUSH ROAD**  
**JARRETTSVILLE, MD 21084**  
**(410) 692-6981**

Yield Test Completed: 2-22-2016  
 Permit Number: HO\_15-0210  
 Subdivision:  
 Section: Lot:  
 Road: 8349 Reservoir Rd

Initials: MSR  
 Well Depth: 600'  
 County: HO  
 State: MD

	Time	Water Level	Time to Fill 5 Gallon Bucket/ Seconds	Gallons/Minute
1	9:00	54	23	13.04
2	9:15	160	30	10.00
3	9:30	242	36	8.33
4	9:45	310	41	7.31
5	10:00	360	75	4.00
6	10:15	360	100	3.00
7	10:30	360	100	3.00
8	10:45	360	100	3.00
9	11:00	360	100	3.00
10	11:15	360	100	3.00
11	11:30	360	100	3.00
12	11:45	360	100	3.00
13	12:00	360	100	3.00
14	12:15	360	100	3.00
15	12:30	360	100	3.00
16	12:45	360	100	3.00
17	1:00	360	100	3.00
18	1:15	360	100	3.00
19	1:30	360	100	3.00
20	1:45	360	100	3.00
21	2:00	360	100	3.00
22	2:15	360	100	3.00
23	2:30	360	100	3.00
24	2:45	360	100	3.00
25	3:00	360	100	3.00
26	3:15	360	100	3.00
27	3:30	360	100	3.00
28	3:45	360	100	3.00
29	4:00	360	100	3.00
30				
31				

**FUTURE PERFORMANCE MAY VARY FROM TESTED PERFORMANCE**

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: Jones Well Drilling Telephone #: 410-692-6981  
Address: 3700 Rush Rd.  
Jarrettsville MD 21084

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

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

Name (Print): HARVEY KNOPP License# MWD509

\*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: Stephen Frank Telephone #: \_\_\_\_\_  
Subdivision: Williams Governance Estates Lot #: 11 Well Tag #: HO-15-0210  
Site Address: 8349 Reservoir Rd.  
Fulton Md 20759

**Submersible Pump Data**      **Pitless Adapter**      **Well Cap and Electric Conduit**  
Make: Grundfos      Make: Merten      Two piece watertight cap:   
Model #: ISSQE15-250      Model #: B10X      Screened, vented well cap:   
Pump Capacity: 15 GPM      Depth: 39" (36" min)      Cap secured to casing:   
Well Yield: 3 GPM      NSF/WSC approved:       Conduit min 18" B.G.:   
Depth of well encountered at time of pump installation: 600 (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

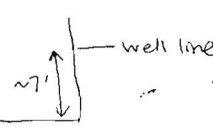
**Piping to house**      **House Connection**  
Type: PE 4710      PVC sleeve to undisturbed soil at wall penetration:   
PSI: 200 (160 psi min)      Length of sleeve (5' minimum from foundation):   
Depth of supply line: 39" (36" min)      Sleeve sealed properly:

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: David M. Kelly      date: 3/1/16

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

Date Insp. Requested: 3/1/16      Date Insp. Approved: 3/1/16      Inspector: SC  
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



Front



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

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

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March 1, 2016

Stephen Frank  
8349 Reservoir Rd.  
Fulton, MD 20759

*Sent via email to stevefrank22@verizon.net on 3/1/16*

RE: **Replacement Well Sampling**  
8349 Reservoir Rd.  
#HO-15-0210

Dear Mr. Frank,

According to our records, your replacement well has been connected to the dwelling. We request that you contact the Community Hygiene Program at **(410) 313-1773** to schedule initial water sampling for the above referenced replacement well, as required by the Maryland Well Construction Regulation (*COMAR 26.04.04*). This sampling includes testing for bacteria, nitrates, turbidity, and sand. There is currently **no charge** for the sampling and it is to your benefit to have it tested.

Sampling of the new well should be collected from the primary indoor drinking tap, but if suitable scheduling is not possible, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment. If sampling has already been performed by an outside lab, please help us by forwarding the results of the samples to our office.

The old well (HO-73-1123) must be abandoned and sealed by Jones Well Drilling as per *COMAR 26.04.04.34* on 3/1/16. Documentation should be submitted by the driller the Health Department that this task has been completed.

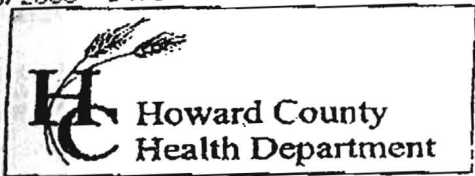
Feel free to contact me with any questions.

Sincerely,

A handwritten signature in black ink that reads 'Sarah Collins'.

Sarah Collins, L.E.H.S.  
Environmental Health Specialist  
Howard County Health Department  
[SCollins@howardcountymd.gov](mailto:SCollins@howardcountymd.gov)  
410-313-6287

Cc: Community Hygiene Program  
File



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

TO ALL INTERESTED PARTIES

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

Well Site Location:

*Williams Continuance Est. 11 8349 Reservoir Rd.*

Subdivision/Property Name	Lot#	Road Name
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The well site has been staked by \_\_\_\_\_  
 (professional land surveyor or company employing professional land surveyors)  
 on \_\_\_\_\_ (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 3/11/05



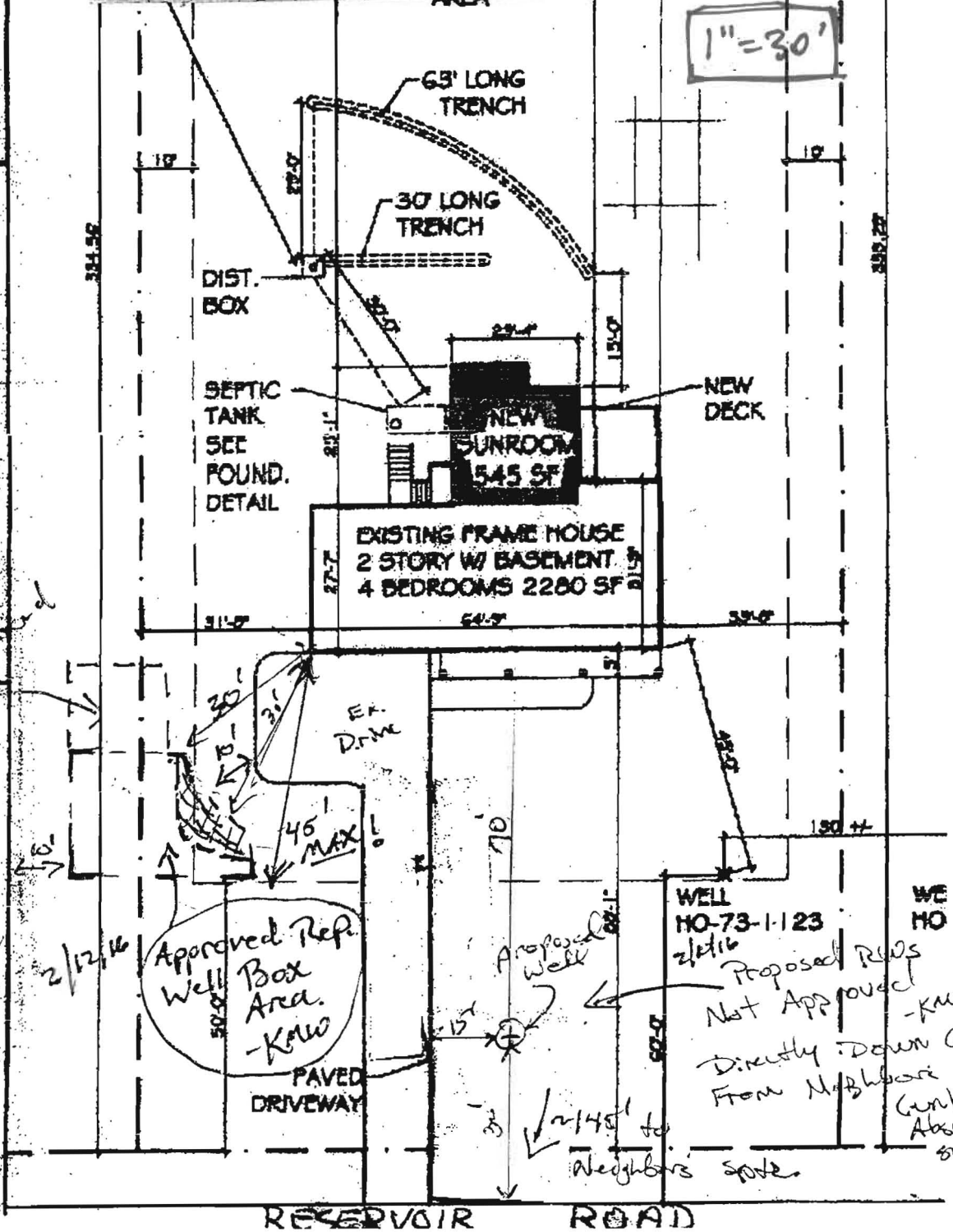
P349 Res. v. for  
Fulton Md 20759

- Benefit Mail
- Betty Jane Kelley
- Brandy Everett
- Cairnes
- Carl Biscoe
- carroll fuel
- Caswell test results
- Chesapeake Environm...
- Christian Life Center
- Compton Financial G...
- corel PD Fusion
- Credit Card
- Dale Kefauver
- DANA INSURANCE
- Daren Harbaugh
- David Hansen
- David Hansen
- Deleted Messages
- Donna
- Doug Hinrichs
- Drafts
- Drill svc
- E Z Pass
- Enviro Chem
- first data
- Full House Press
- Gary Baker
- Glenda
- Global
- Go Daddy
- Goulas

DO NOT REMOVE THIS TAG  
 DEPARTMENT OF THE ENVIRONMENT  
 WELL PERMIT NUMBER  
**HO-15-0210**  
 INFORMATION-GIVE NUMBER AND WRITE  
 1800 WASHINGTON BLVD  
 BALTIMORE MARYLAND. 21230

PROPERTY  
 LINE  
 SETBACK  
 BOUNDARY

1"=30'



OK to Expand  
 2-10-15  
 This Way

Prop line

Approved Rep.  
 Well Box  
 Area.  
 -KW

Proposed Well

WELL  
 NO-73-1-123  
 Proposed Reqs  
 Not Approved - KW  
 Directly Down G  
 From Neighbor's  
 Court Above

- Trash
- Important
- Unread
- Starred
- People
- Social
- Shopping
- Travel
- Finance
- Advertising
- American Infrastructu...
- Angies List (1)
- Armstrong
- Benefit Mail
- Betty Jane Kelley
- Brandy Everett
- Cairnes
- Carl Biscoe
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- corel PD Fusion
- Credit Card
- Dale Kefauver
- DANA INSURANCE

RESERVOIR ROAD

\*\*\*\*\*  
 WATER WELL ABANDONMENT-SEALING REPORT FORM  
 \*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

OK  
 3/11/16 SC

DATE WELL ABANDONED: MARCH 1, 16 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any)

HO - 73 - 1123

\* PERMIT NUMBER OF REPLACEMENT WELL:

HO - 15 - 0210

\* PERSON ABANDONING WELL: MARK RUTHERFORD WELL DRILLER'S LICENSE NUMBER: 554

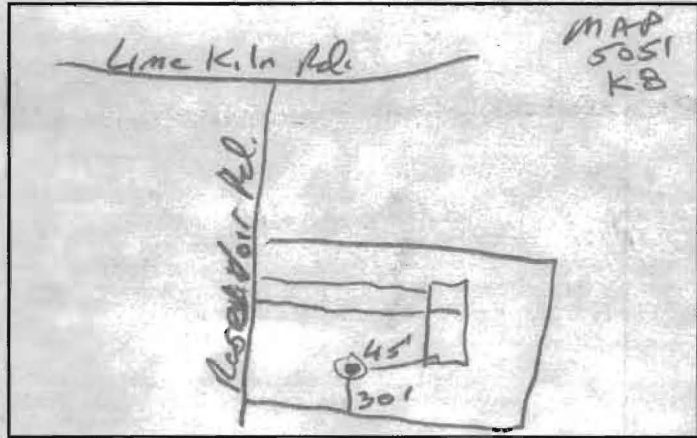
CIRCLE: MWD / MSD / MGD

\* OWNER'S NAME: Stephen Frank

\* WELL LOCATION:

SITE LOCATION MAP

COUNTY: Howard  
 NEAREST TOWN: PULTON  
 TAX MAP 0045 BLOCK 6 PARCEL 0047  
 SUBDIVISION: Williams Contrivance Estates  
 SECTION: \_\_\_\_\_ LOT: 11  
 STREET ADDRESS: 8349 Reservoir Rd.



LATITUDE 3 9.143180

LONGITUDE 7 6.941321

\* TYPE OF WELL BEING ABANDONED:

- DRILLED  JETTED
- BORED  HAND DUG
- OTHER (specify) \_\_\_\_\_

LOG OF SEALING MATERIAL

\* USE CODE:

- DOMESTIC  MUNICIPAL/PUBLIC
- IRRIGATION  INDUSTRIAL
- TEST/OBSERVATION  GEOTHERMAL

\* TYPE OF CASING:

- STEEL  PLASTIC
- CONCRETE  OTHER (specify) \_\_\_\_\_

MATERIAL	FEET	
	FROM	TO
dirt	0	1
bentonite	1	75
hole plug	75	120
clean fill		

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 120 FEET DEEP

WAS ANY CASING REMOVED?  YES  NO

If yes, length removed, in feet: 2

WAS CASING RIPPED OR PERFORATED?  YES  NO

VOLUME OF MATERIAL USED
<u>14.8 cu. ft. bentonite</u>

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE#  
David Kelly 304

MWD / MSD / MGS  
 CIRCLE ONE

3/11/16  
 DATE

COUNTY

SITE INSPECTION SHEET

OWNER: Robyn Frank PHONE #: \_\_\_\_\_

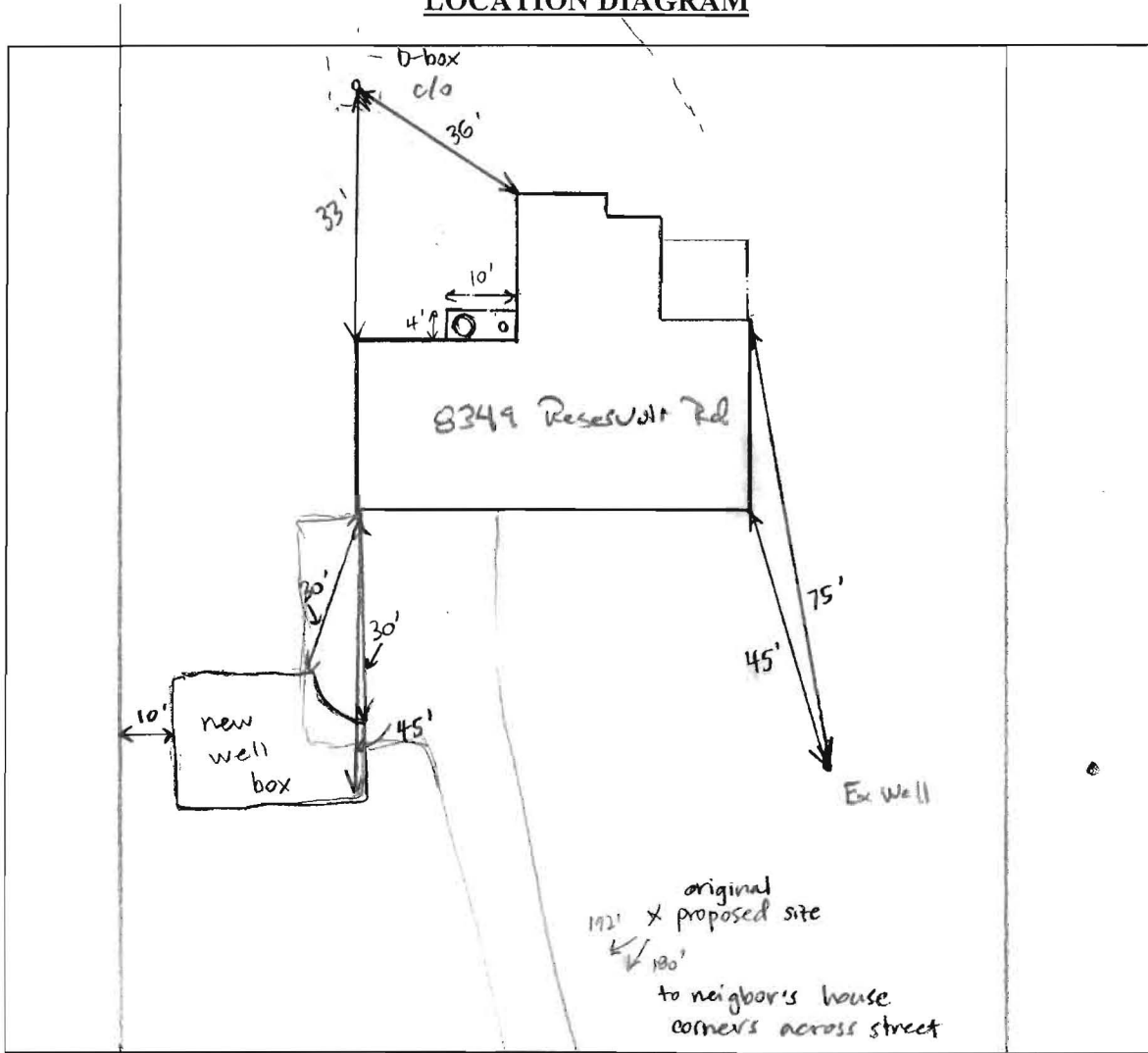
ADDRESS: 8349 Reservoir Road CONTRACTOR: Janis Well Drilling

WELL TAG #: \_\_\_\_\_

SUBDIVISION: W. Confluence Est LOT: 11 COUNTY #: 13

PROPOSAL: out of H<sub>2</sub>O

LOCATION DIAGRAM



COMMENTS:

See Attached site plan Reservoir Road  
2/11/16 Original proposed site staked - found neighbor's across the street septic is out front (tank clo off sidewalk between two windows). (SC) 2/12/16 Staked new approved well box, part is on driveway. Homeowner identified property line.

DATE: \_\_\_\_\_ INSPECTOR: \_\_\_\_\_ (SC)

## FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
2/16/16	Steve Frank (homeowner) came into the office to discuss alternate locations. Jones was on site 2/15 and thought the current well box, staked on the east side of the driveway, might be hard to access with the ng b/c of the slope. Steve wants to know if they can drill on the west side of the driveway. Okay to drill 40-45' from the house - no closer to septic across the street, maximizing distance from own septic. (SC)
2/18/16	On site during drilling. Jones is drilling 40' off the house 10' west of driveway. At 300' + no water. 77' casing used. They may drill deeper or move to another location. (SC)
2/19/16	Spoke with David Kelly from Jones via phone. We told him the depths + yields of surrounding wells. He says they'll drill deeper at location from yesterday, probably to 500'. He also said that fracking probably wouldn't give any results unless some water is hit, even if only a few tenths of a gallon. (SC)
2/19/16	On site at the end of drilling. Well 600', ~ 3 gpm. Jones hit 1 gpm around 330' and the remainder of water at 430'. (SC)