

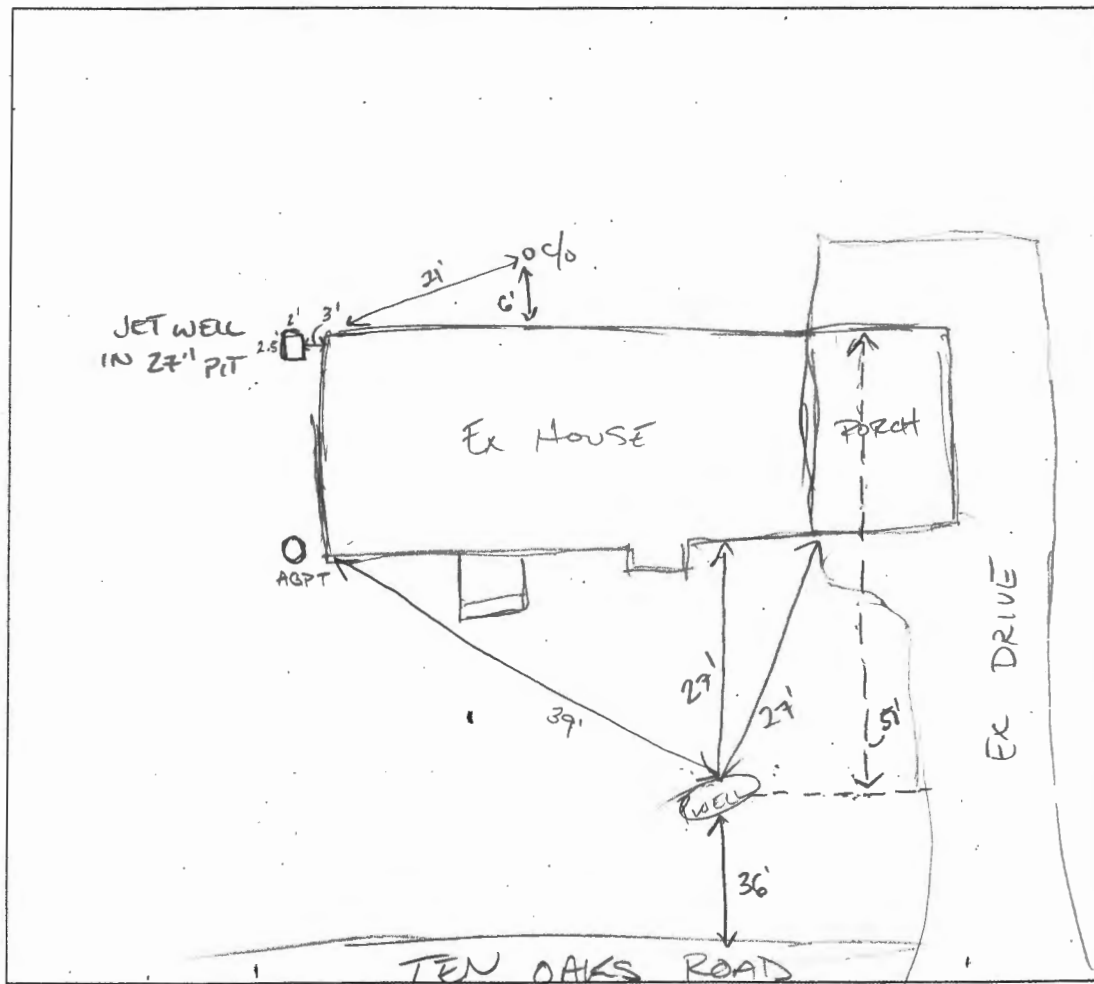
C 1 54860 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. COUNTY NUMBER DATE RECEIVED 11/13/19 DATE WELL COMPLETED 11/19/19 APPROVED 12/10/19 Depth of Well 500 (TO NEAREST FOOT) PERMIT NO. H0-18-0111 OWNER Johnson Tommy WELL SITE ADDRESS 4927 TEN OAKS RD TOWN Dayton SUBDIVISION 3.06 AC 4927 TEN OAKS RD SECTION LOT 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 check if water bearing Top Soil 0 2 Brown Silt 2 40 Grey mka 40 500 GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 18 NO. OF POUNDS 900 GALLONS OF WATER 342 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 500 ft. (enter 0 if from surface) CASING RECORD casing types insert appropriate code below ST STEEL CO CONCRETE PL PLASTIC OT OTHER MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 43' OTHER CASING (if used) diameter inch depth (feet) from to SCREEN RECORD screen type or open hole ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER (insert appropriate code below) DEPTH (nearest ft.) 40 41 500' 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 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. MWD 587 DRILLER'S SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. IWD 411 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) DRILLERS SIGNATURE TELESCOPE CASING LOG INDICATOR OTHER DATA 74 75 76 MDE/WMA/PER.071 COUNTY

<b>B 1</b> 65113	SEQUENCE NO. (MDE USE ONLY) 566375	<b>STATE OF MARYLAND</b> <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type	STATE PERMIT NUMBER HO -18 - 0111 fill in this form completely
<b>OWNER INFORMATION</b> Date Received (APA) <u>01/11/19</u> 8 MM DD YY 13 Johnson Tommy O 15 Last Name Owner First Name 34 4927 Ten Oaks Rd. 36 Dayton Md. 21036 57 Town 70 State 72 Zip 76		<b>B 3 LOCATION OF WELL</b> Howard 8 COUNTY 21 3.06 Ac. 4927 Ten Oaks Rd. 23 SUBDIVISION 42 SECTION 44 46 LOT 48 50 52 NEAREST TOWN 71	
<b>DRILLER INFORMATION</b> Stephen Delosh M W D 587 Driller's Name 76 License No. 81 Connelly & Associates Inc. Firm Name 1513 Tilco Dr. Frederick, Md. 21704 Address Stephen Delosh 9-17-19 Signature Date		<b>B 4 SOURCES OF DRILLING WATER</b> 1. Private 2. 43' casing, PVC. 3. temporary -500' depth Grout - Well DF Wyo-Ben, Inc. Lot # 0912192 16 09 4927 Ten Oaks Rd. 11 STREET ADDRESS 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 42 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP 0018 BLK: PARCEL 0040	
<b>B 2 WELL INFORMATION</b> APPROX. PUMPING RATE (GAL. PER MIN.) N/A 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) N/A 14 20		<b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b> <input 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 checked="" type="checkbox"/> OPEN LOOP GEOTHERMAL <input type="checkbox"/> CLOSED LOOP GEOTHERMAL	
APPROXIMATE DEPTH OF WELL 500 FEET 24 28 APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH		<b>NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL</b> HOWARD COUNTY NAME STATE SIGNATURE DATE ISSUED 09/30/2019 43 MM DD YY 48 CO SIGNATURE EXP. DATE 09/30/2020 DOW: 10/10/19 DDC: 10/11/19 Day N/A	
<b>METHOD OF DRILLING (circle one)</b> BORED (or Augered) JETTED Jetted & DRIVEN 30 AIR-ROTARY AIR-REPERCUSSION ROTARY (Hydraulic Rotary) 37 CABLE REVERSE-ROTARY DRIVE-POINT other		<b>PROPOSED LOCATION OF WELL ON LOT</b> SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL Septic Area Existing Water Well 4927 Geo Well Ten Oaks Rd. Driveway To Rt. 32	
<b>REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)</b> <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 39 <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 DEEPEMED AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52		Pursuant to § 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State Law.	
Not to be filled in by driller (MDE OR COUNTY USE ONLY)			
APPROP. PERMIT NUMBER G PERMIT No. HO -18 - 0111 70 71 72 73 74 75 76 77 78 79			
<b>SPECIAL CONDITIONS</b> NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED MUST GROUT FROM BOTTOM OF BORE HOLE UP			

# SITE INSPECTION SHEET

OWNER: Tommy Johnson PHONE #: \_\_\_\_\_  
ADDRESS: 4927 Ten Oaks Rd. CONTRACTOR: Connelly + Associates Inc.  
Dayton, MD 21036 WELL TAG #: \_\_\_\_\_  
SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ COUNTY #: 13  
PROPOSAL: Geothermal Well

### LOCATION DIAGRAM



COMMENTS: PROPOSED GEO WELL LOCATION MEETS SETBACKS (2015).  
EX WELL<sup>(PORTABLE)</sup> IS NOT UP TO CODE; IN 27" DEEP SMALL PIT INFESTED  
WITH SLUGS. MAY BE TOO CLOSE TO SEPTIC.

DATE: 09/26/2019

~~INSPECTOR:~~

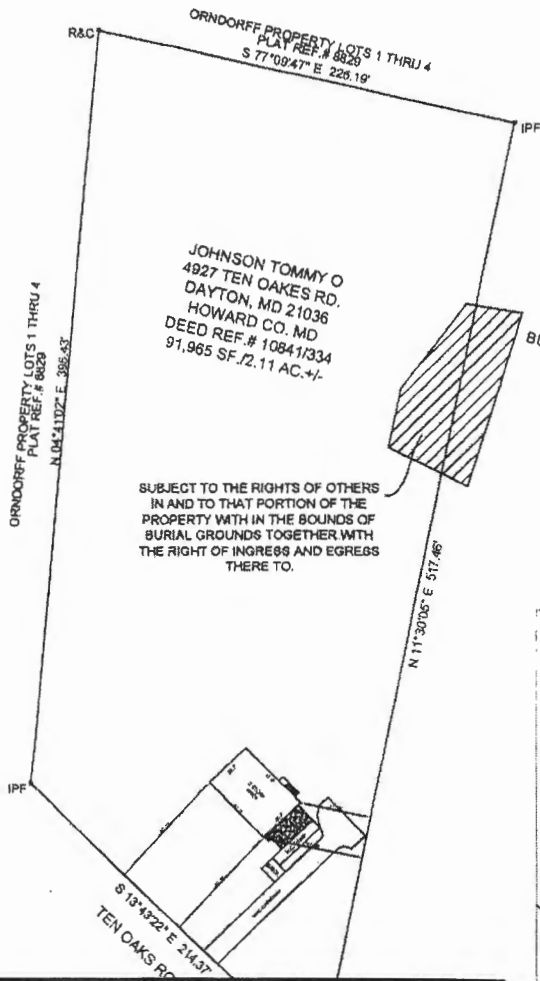
# EXHIBIT "A"

4927 TEN OAKS ROAD

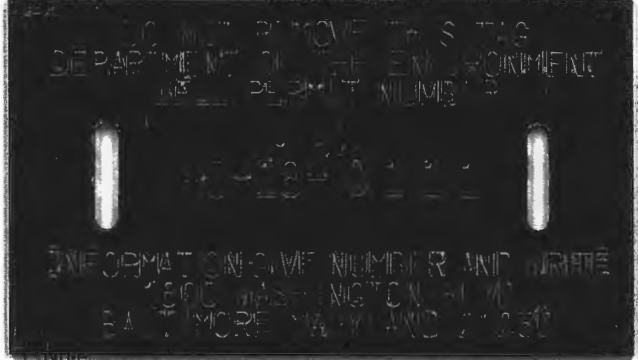
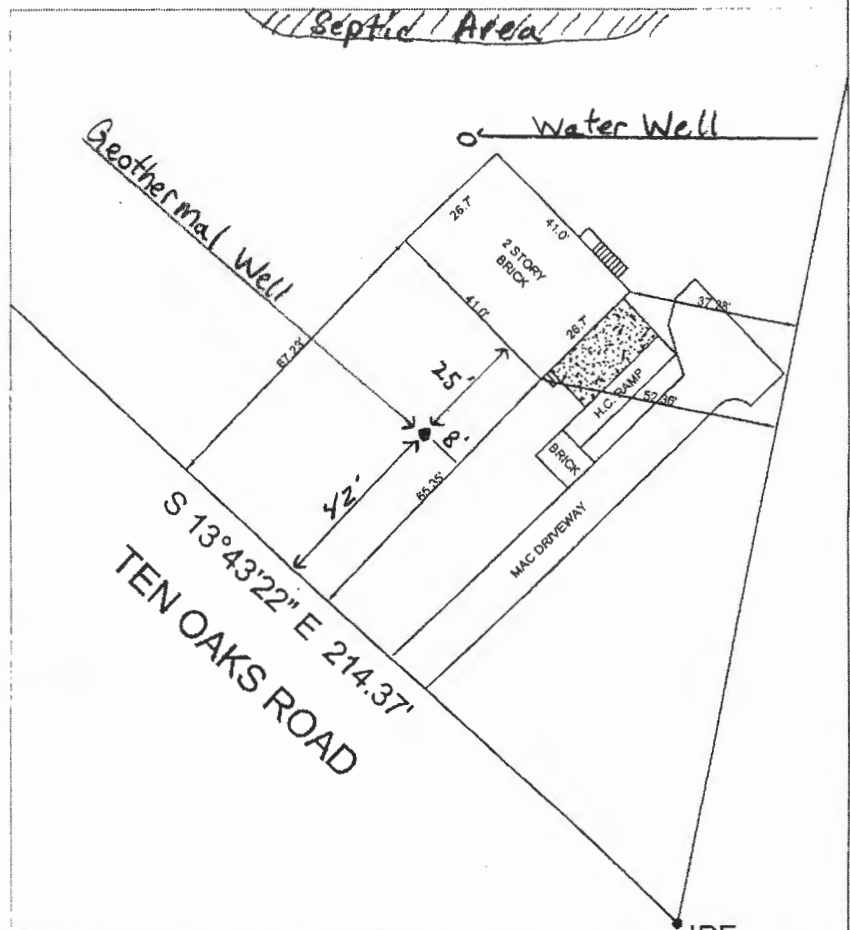
APPROVED 09/30/2019

STAKED BY DRIVER

TAG H



NOTE: INSERT SCALE: 1"=40'



IPF = IRON PIPE FOUND  
IRF = IRON ROD FOUND  
IPACF = IRON PIPE AND CAP FOUND  
IPACS = IRON PIPE AND CAP SET  
R & C = REBAR AND CAP SET

= CONCRETE

BOUNDARY SURVEY:  
I HEREBY CERTIFY THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN HEREON, AND TO THE BEST OF MY INFORMATION, PROFESSIONAL KNOWLEDGE AND BELIEF, THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN HEREON, AND THAT THE IMPROVEMENTS APPEAR TO BE IN FLOOD ZONE C. THIS SURVEY IS TO ESTABLISH THESE ABOVE GROUND IMPROVEMENTS ONLY AND NOT INTENDED TO FIND UNDERGROUND UTILITIES OR OTHER INSTALLATIONS.

Walter T. Tydings  
Property Line Surveyor # 150  
2/15/10  
Date

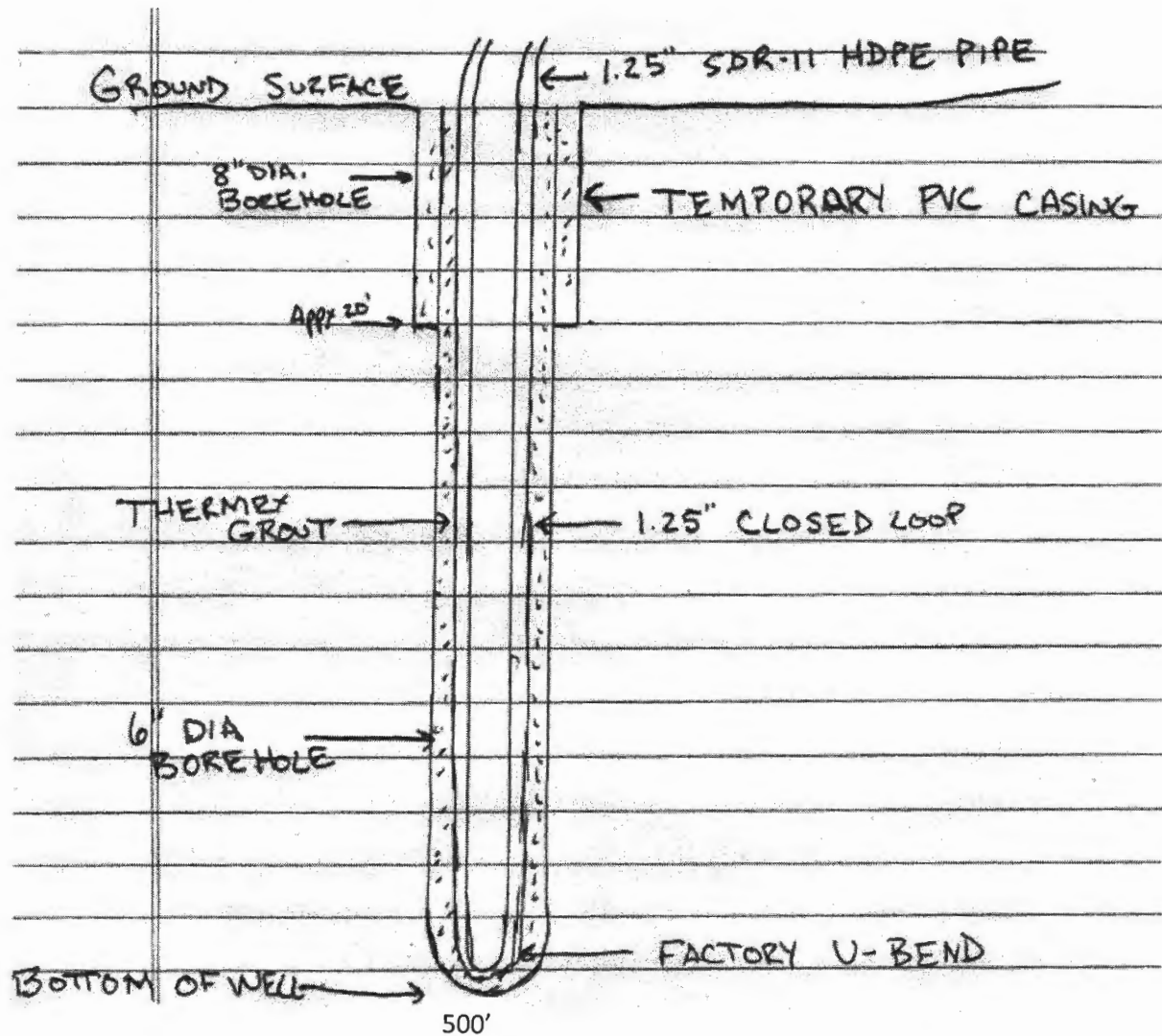


Schulte & Associates  
4399 MOUNTAIN ROAD  
PASADENA, MD 21122  
PHONE: 410-360-9464  
FAX: 410-360-0247

Address:		Property Description
4927 TEN OAKS ROAD DAYTON, MD 21036		BOUNDARY SURVEY OF 4927 TEN OAKS RD. DAYTON, MD 21036 HOWARD CO. MD DEED REF.# 10841/334
Date:07/15/10	Job #:9991	
Scale:1"=100'		



Johnson Residence: 4927 Ten Oaks Rd. Dayton Geothermal Closed Loop



Grout information for this property is as follows:

Thermex grout mixture of 50 lb. grout to 19 gallons water, placed in the well using the tremie method, from bottom to top.



# HOWARD COUNTY HEALTH DEPARTMENT

66375

DATE 9/17/19

WS

Received From

PHONE #

240-301-7925

For

☐ CASH

☐ CHECK

NO. CC

Well Permit / 4927 for  
Caks Rd.

One hundred sixty Dollars

\$

100 00

Received By

J King