

B 1	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER HO-22-0118 <small>fill in this form completely</small>
1 2 3 6	OWNER INFORMATION Date Received (APA) <u>8/11/24</u> <small>8 MM DD YY 13</small> Last Name <u>Yang</u> Owner First Name <u>Kun</u> <small>15</small> <small>34</small> Street or RFD <u>4096 Arjay Circle</u> <small>36</small> <small>55</small> Town <u>Ellicott City Md</u> State <u>Md</u> Zip <u>21042</u> <small>57</small> <small>70</small> <small>72</small> <small>76</small>		B 3 LOCATION OF WELL COUNTY <u>Howard</u> <small>8</small> <small>21</small> SUBDIVISION <u>Gwynn Acres</u> <small>23</small> <small>42</small> SECTION <u>44</u> <u>48</u> LOT <u>25</u> <u>48</u> <u>50</u> <small>44</small> <small>48</small> <small>48</small> <small>50</small> NEAREST TOWN <u>Ellicott City</u> <small>52</small> <small>71</small>
DRILLER INFORMATION Driller's Name <u>Wesley A Wolfe</u> M <u>W</u> D <u>598</u> <small>76</small> License No. <u>81</u> Firm Name <u>Allied Well Drilling</u> Address <u>PO Box 129 Annapolis Indiv Md 2071</u> Signature <u>Wesley A Wolfe</u> Date <u>11/1/24</u>		B 4 SOURCES OF DRILLING WATER 1. <u>Public</u> 2. 3. STREET ADDRESS <u>4096 Arjay Circle</u> <small>11</small> <small>30</small> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH <input type="checkbox"/> WEST <input checked="" type="checkbox"/> EAST <input type="checkbox"/> SOUTH <input type="checkbox"/> DISTANCE FROM ROAD <u>300ft</u> <small>34</small> <small>37</small> ENTER FT OR MI <u>FT</u> <small>38</small> <small>39</small> TAX MAP: <u>0024</u> BLK: _____ PARCEL <u>1122</u>	
B 2	WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) <u>8</u> <u>12</u> <small>1</small> <small>2</small> <small>8</small> <small>12</small> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>14</u> <u>20</u> <small>1</small> <small>2</small> <small>14</small> <small>20</small>		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME <u>Howard</u> COUNTY NO. <u>13</u> STATE SIGNATURE _____ INSERT S → _____ DATE ISSUED <u>2/21/2024</u> <u>8-1-24</u> <u>2/21/2025</u> <small>43</small> <small>MM</small> <small>DD</small> <small>YY</small> <small>48</small> CO SIGNATURE _____ EXP. DATE _____ DOB: <u>2/16/2024</u> DOB: <u>2/7/2024</u>
USE FOR WATER (CIRCLE APPROPRIATE BOX) <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 checked="" type="checkbox"/> CLOSED LOOP GEOTHERMAL <u>2 loops</u>			
APPROXIMATE DEPTH OF WELL <u>320</u> FEET <small>24</small> <small>28</small>		PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL AB 1822 833 Proposed loops Deck 1-SHG Arjay Circle ↑ N	
APPROXIMATE DIAMETER OF WELL <u>6</u> INCH <small>30</small> <small>37</small>		METHOD OF DRILLING (circle one) BORED (or Augered) <input type="checkbox"/> JETTED <input checked="" type="checkbox"/> Jetted & DRIVEN <input type="checkbox"/> AIR-ROTARY <input type="checkbox"/> AIR-PERCussion <input checked="" 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 DEEPEINED 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 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 DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) <u>41</u> _____ <u>52</u>		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 _____ <u>G</u> _____ PERMIT No. <u>HO-22-0118</u> <small>70</small> <small>71</small> <small>72</small> <small>73</small> <small>74</small> <small>75</small> <small>76</small> <small>77</small> <small>78</small> <small>79</small>			
SPECIAL CONDITIONS NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED. <u>Please print from bottom to top</u>			

C1 57942

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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 13

ST/CO USE ONLY DATE RECEIVED MM DD YZ

DATE WELL COMPLETED MM - DD - YY

Depth of Well 22 320 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-22-018

OWNER Yang, Kun WELL SITE ADDRESS 4096 Arjay Cir. TOWN Ellicott City, MD SUBDIVISION SECTION LOT 25

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 (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes handwritten entries: Top Soil (0-2), Brn Dk clay (2-18), Gray Rock (18-320).

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. 1 M D 598 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D

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

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 45 46 8 NO. OF POUNDS 45 46 700 GALLONS OF WATER DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 320 ft.

CASING RECORD

MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot) Includes boxes for STEEL, CONCRETE, PLASTIC, OTHER.

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

SCREEN RECORD

screen type or open hole (insert appropriate code below) Includes boxes for STEEL, BRASS, BRONZE, PLASTIC, OPEN HOLE, OTHER.

DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, R, E, E, N. Rows for SLOT SIZE 1, 2, 3 and DIAMETER OF SCREEN (NEAREST INCH) from 56 to 60.

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 CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 11 15 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20 ft. WHEN PUMPING 22 25 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 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 - below LAND SURFACE (nearest foot) 49 50 51

LATITUDE 39.26002 LONGITUDE 76.89415 (DEFAULT COORD. WGS 84)

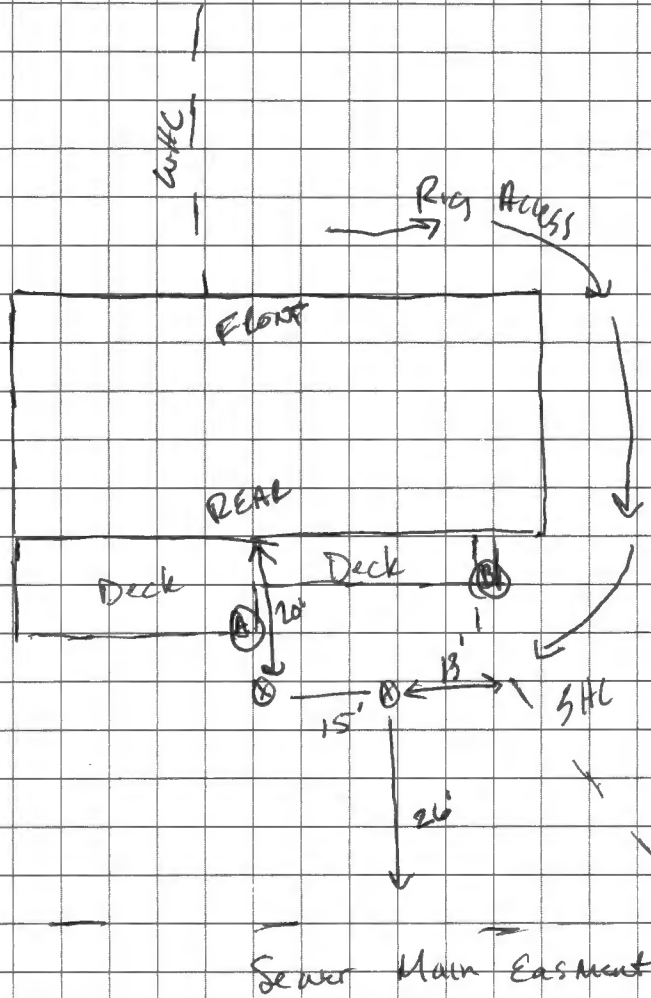
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A 5
18 22
8 33



4096 Arjay Circle
Ellicott City Md 21042
2 wells @ 320' each
closed loop geothermal

SITE PLAN



Sediment Control Protocol: SILT FENCE

Distance From House: 20' TO HOUSE 8' TO DECK

From Septic: N/A

From Sewer: 13'

From Property Line: 26'

From Street: 100'+

Trees Nearby: Yes, OK!

Utility Issues: NO

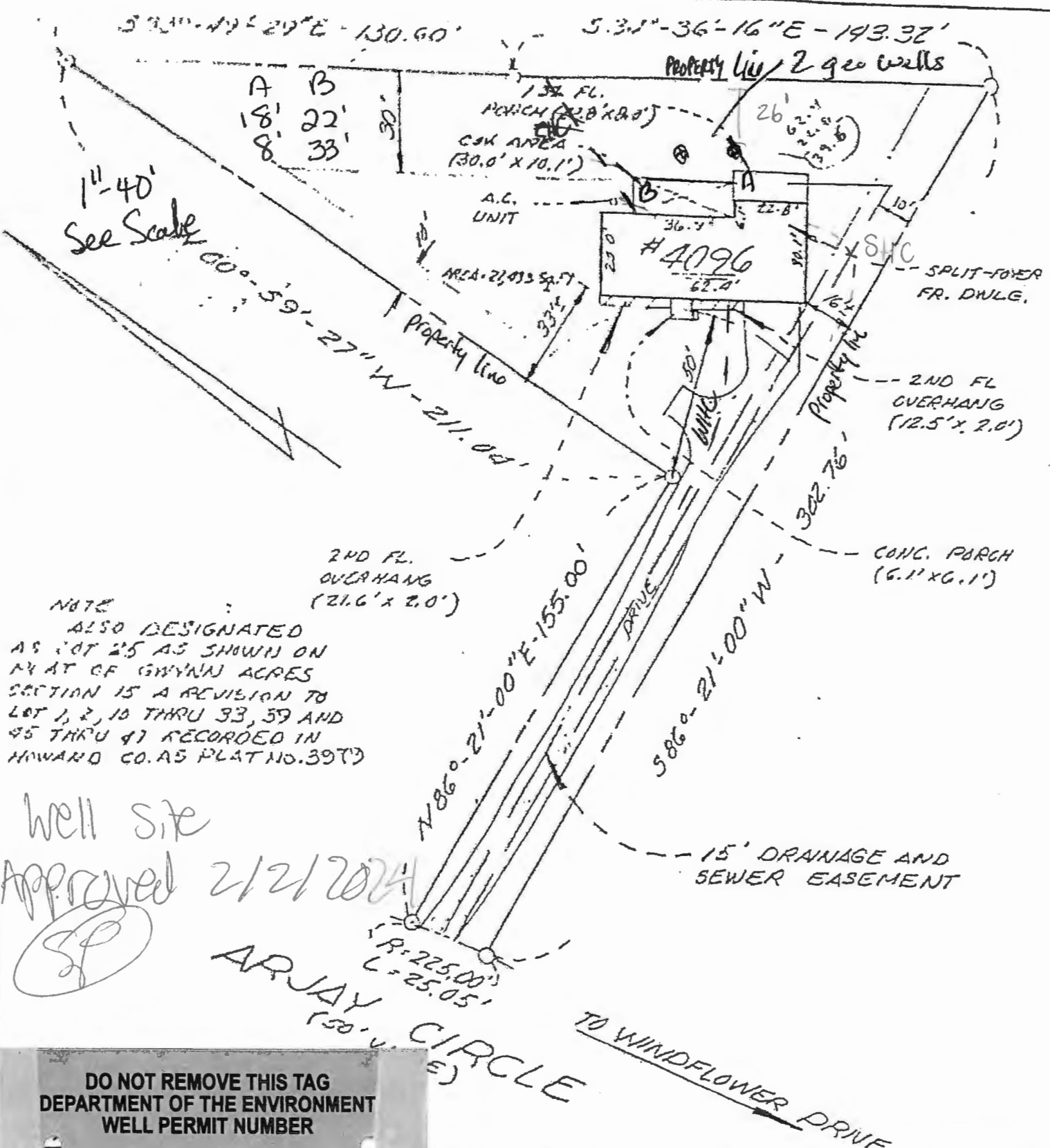
Mats Needed: Yes

Access For H/U: By others

Neighboring Tags: See Camps

Comments: _____

Person Completing Form: Wes Wolfe



1"=40'
See Scale

NOTE:
ALSO DESIGNATED
AS LOT 25 AS SHOWN ON
MAP OF GWYNW ACRES
SECTION 15 A REVISION TO
LOT 1, 2, 10 THRU 33, 39 AND
45 THRU 47 RECORDED IN
HOWARD CO. AS PLAT NO. 39T)

Well site
Approved 2/21/2024
[Signature]

ARJAY CIRCLE
(50'-0" WIDE)
TO WINDFLOWER DRIVE

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

HO-22-0118

INFORMATION - GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230

LOCATION SURVEY
ARJAY CIRCLE
HOWARD COUNTY, MD.

Spotts, Stevens and McCoy, Inc.



ENGINEERS • PLANNERS • SURVEYORS

5509 York Road
Baltimore, MD 21212

We have made a survey of this lot for the
purpose of locating the improvements thereon and that they
are located as shown.
This plat is not intended for use in establishing property lines

1"=40'	3-17-84	84694
SCALE	DATE	JOB NO

