

C1 30340 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 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED MM DD YY 02 24 15

DATE WELL COMPLETED MM DD YY 1-21-15 DEPTH OF WELL 22 225 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 3/27/15 SC 10-14-0182

OWNER Kropf, Sarah last name first name TOWN Columbia WELLSITE ADDRESS 10240 Danleigh Dr SUBDIVISION Danleigh SECTION LOT 4

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. Rows include: Sandy soil, Brn; Tan Sand; Brn Gray Sand + Gravel; Gray White Limestone; 16 bags x 26 gal bag = 416 gal / 225' = 1.84 gal/ft.

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED yes Y no N

CIRCLE APPROPRIATE LETTER 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 MWD 353 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 AW2 D 983

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

GROUTING RECORD yes Y no N WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 16 NO. OF POUNDS 800 GALLONS OF WATER 400 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 225 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 Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot) 60 61 63 64 66 70

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

SCREEN RECORD screen type or open hole insert appropriate code below ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER

Table with columns: E A C H S C R E E N, DEPTH (nearest ft.), 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51

DEPTH (nearest ft.)

DIAMETER OF SCREEN (NEAREST INCH) 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

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 YES NO (CIRCLE) (YES or 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 - below LAND SURFACE (nearest foot) 49 50 51

LATITUDE 39.18464 LONGITUDE 76.86680 (DEFAULT COORD. WGS 84)

NOTES: Front diagram with coordinates 39.18465, 76.86680

WS 55384

B 1 25781

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL  
555384 please type

STATE PERMIT NUMBER  
Ho-14-0182  
fill in this form completely

Date Received (APA)  
01/06/15

OWNER INFORMATION

8 MM DD YY 13  
15 Last Name First Name  
Kroop Randy H  
36 Street or RFD  
10214 Donleigh Drive  
57 Town 70 State 72 Zip 76  
Columbis MD 21046

B 3

LOCATION OF WELL

8 COUNTY Howard 21  
23 SUBDIVISION Donleigh Sl 42  
SECTION 44 46 LOT 48 50 4  
52 NEAREST TOWN Columbus 71

DRILLER INFORMATION

Driller's Name C John Hess MWD 553 License No. 76  
Firm Name Allied Environmental Services  
Address PO Box 129 Annapolis Junction MD 20704  
Signature C John Hess Date 01/06/15

B 4

SOURCES OF DRILLING WATER

1. Public

10214 Donleigh Drive  
11 STREET ADDRESS 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
NORTH N  
WEST W 32 EAST E  
SOUTH S  
34 37  
DISTANCE FROM ROAD ENTER FT OR MI 38 39  
TAX MAP 0042 BLK 0001 PARCEL 0192

B 2

WELL INFORMATION

1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
- FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
- INDUSTRIAL, COMMERCIAL, DEWATERING
- PUBLIC WATER SUPPLY WELL
- TEST, OBSERVATION, MONITORING
- OPEN LOOP GEOTHERMAL
- CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME 13 COUNTY NO.  
STATE SIGNATURE INSERT S 41  
DATE ISSUED 1/16/15 CO SIGNATURE K. M. Hall EXP. DATE 1/16/16  
45 MM DD YY 45

APPROXIMATE DEPTH OF WELL 24 28 FEET  
APPROXIMATE DIAMETER OF WELL NEAREST INCH

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

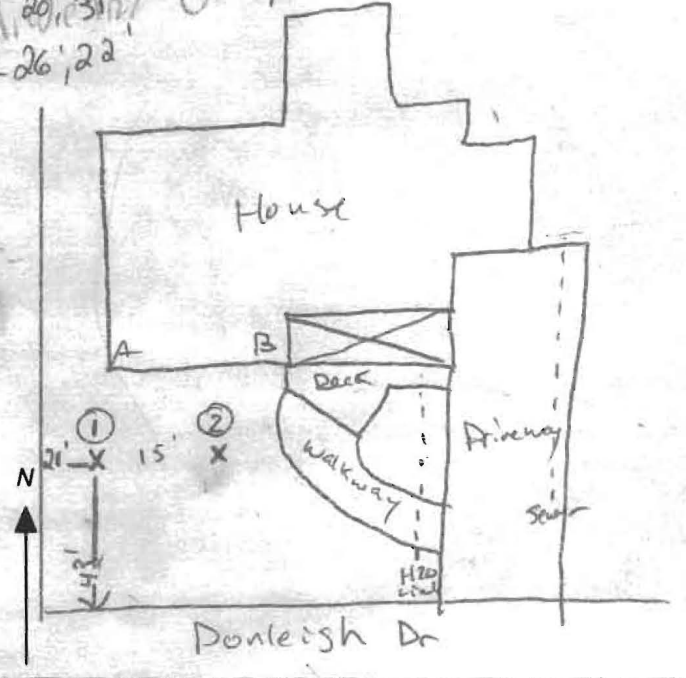
REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
  - THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
  - THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
  - THIS WELL WILL DEEPEIN AN EXISTING WELL
- PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER G  
PERMIT No. Ho-14-0182  
70 71 72 73 74 75 76 77 78 79

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



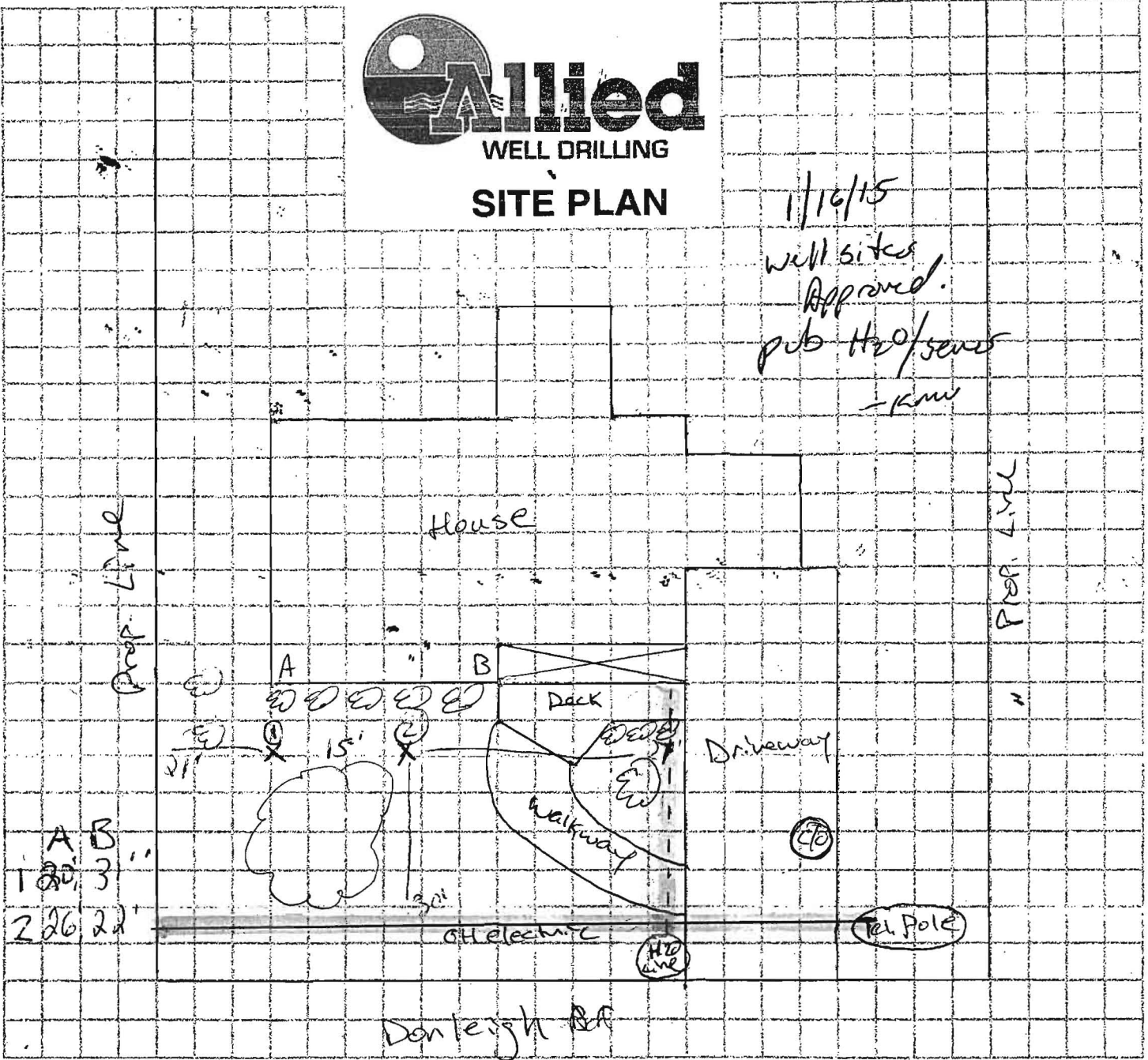
SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

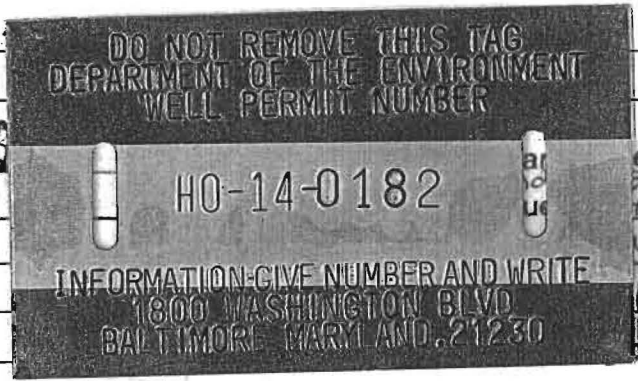


**Allied**  
WELL DRILLING  
SITE PLAN

1/16/15  
well sites  
Approved.  
pub H<sub>2</sub>O/sewer  
-KMW



Sediment Control Protocol: \_\_\_\_\_



\_\_\_\_\_ cans

Distance From House: \_\_\_\_\_

From Septic: N/A

From Sewer: 44'

From Property Line: 21'

From Street: 43'

\_\_\_\_\_ es may need large limb  
but lower should clear  
electric, need marked

\_\_\_\_\_ yes  
Under Deck (being removed)

\_\_\_\_\_ N/A

Comments: Need to back fit up on to wells at angle  
until parallel w/ power lines

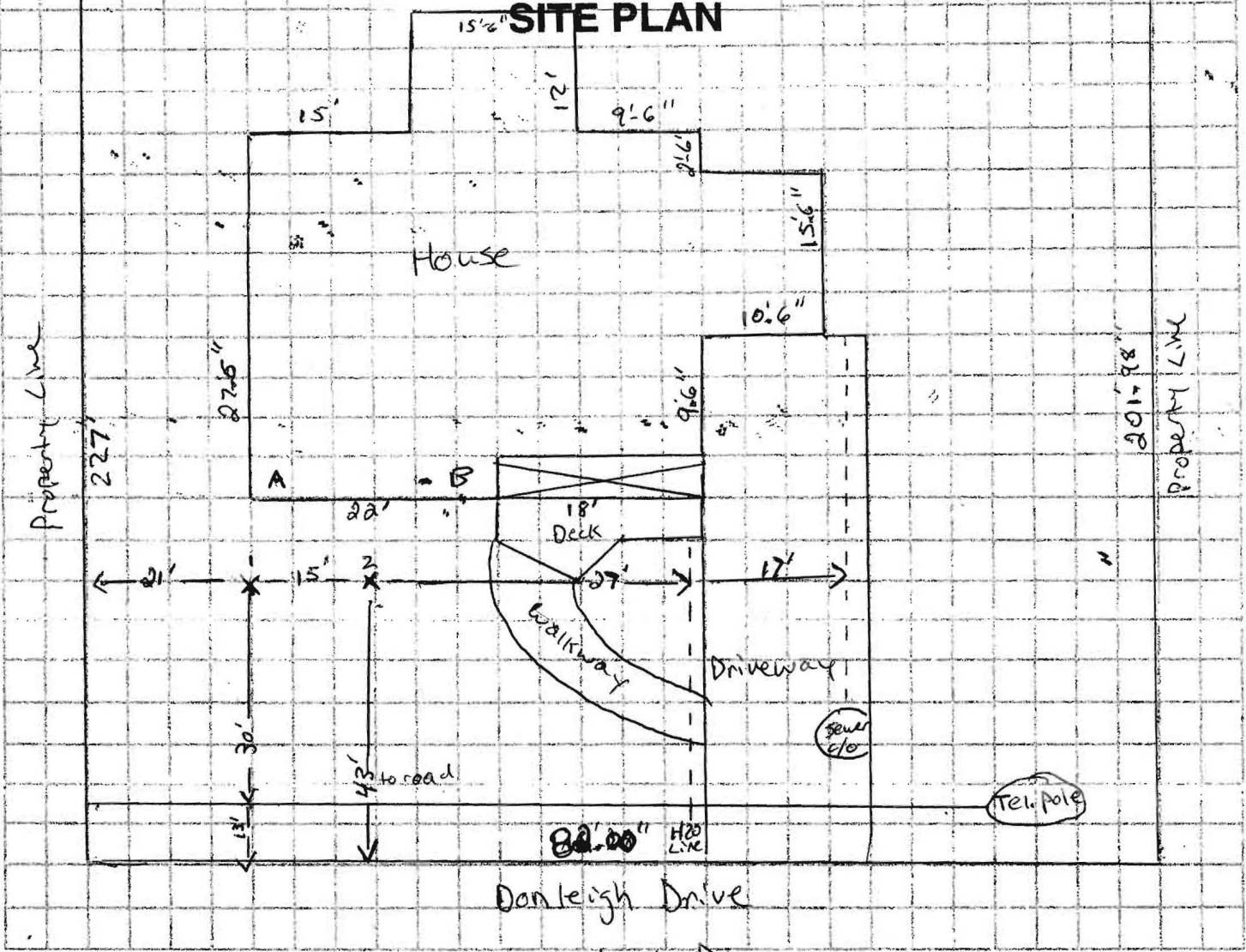
Person Completing Form: \_\_\_\_\_

88.52' Property Line



	A	B
1	20' 31"	
2	26' 22"	

### SITE PLAN



10214 Donleigh Dr

Sediment Control Protocol: \_\_\_\_\_

Distance From House: 20'  
 From Septic: N/A  
 From Sewer: 44'  
 From Property Line: 21'  
 From Street: 43'

Trees Nearby: Yes  
 Utility Issues: OH electric, need others marked  
 Mats Needed: Yes  
 Access For H/U: \_\_\_\_\_  
 Neighboring Tags: N/A

Comments: \_\_\_\_\_

Person Completing Form: \_\_\_\_\_

