

C1 30348

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

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE RECEIVED MM DD YY 03 30 15

DATE WELL COMPLETED MM DD YY 5 10 15

Depth of Well 22 290 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-15-0003

OWNER Wardell Thomas + Jill WELL SITE ADDRESS 1013 Adgate Ct TOWN Woodbine MD SUBDIVISION Urban Acres SECTION LOT

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 entries like Tan Brn Clay, weathered Rock Brn, Soft tan Sand Gravel, Gray Rock Shist, Gray Shist.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL (Cement CM, Bentonite Clay BC) NO. OF BAGS 22 NO. OF POUNDS 1100 GALLONS OF WATER 550 DEPTH OF GROUT SEAL (to nearest foot) from 0 to 290 ft.

CASING RECORD

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 (ST, BR, HO, PL, OT) insert appropriate code below

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, 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

NUMBER OF UNSUCCESSFUL WELLS:

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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. MD D553 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. D

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

DEPTH (nearest ft.)

Table with columns: E, A, C, H, S, C, R, E, E, N. Rows for depth intervals: 8-11, 15-17, 23-26, 30-32, 38-41, 45-47, 56-60.

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 TELESCOPE CASING 72 LOG INDICATOR 74 75 76 OTHER DATA

LATITUDE 39.33832 LONGITUDE 77.04467 (DEFAULT COORD. WGS 84)

NOTES: Font, #2 39.33832 -77.04474

Supreme

04-336089

B 1 37064
1 2 3 6

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
555727 please type

STATE PERMIT NUMBER

HO-15-0003
70 fill in this form completely 79

Date Received (APA)
01/30/15
8 MM DD YY 13

OWNER INFORMATION

Wardell Thomas+Jill
1213 Adagk Court
Woodbine MD 21150

B 3 LOCATION OF WELL

Howard
Lisbon Acres
Woodbine

DRILLER INFORMATION

John Hess MWD 553
Allied Environmental Services
PO Box 25 Annapolis Junction MD 20701
01/28/15

B 4 SOURCES OF DRILLING WATER

1. Public

1213 Adagk Court
ON WHICH SIDE OF ROAD
DISTANCE FROM ROAD
TAX MAP: 0008 BLK: 0008 PARCEL: 0351

B 2 WELL INFORMATION

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

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, DEWATERING
P PUBLIC WATER SUPPLY WELL
T TEST, OBSERVATION, MONITORING
O OPEN LOOP GEOTHERMAL
C CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 A20712
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 2/3/15 CO SIGNATURE EXP. DATE 2/3/16

APPROXIMATE DEPTH OF WELL 290 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTary DRIVE-POINT

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
D THIS WELL WILL DEEPEIN AN EXISTING WELL

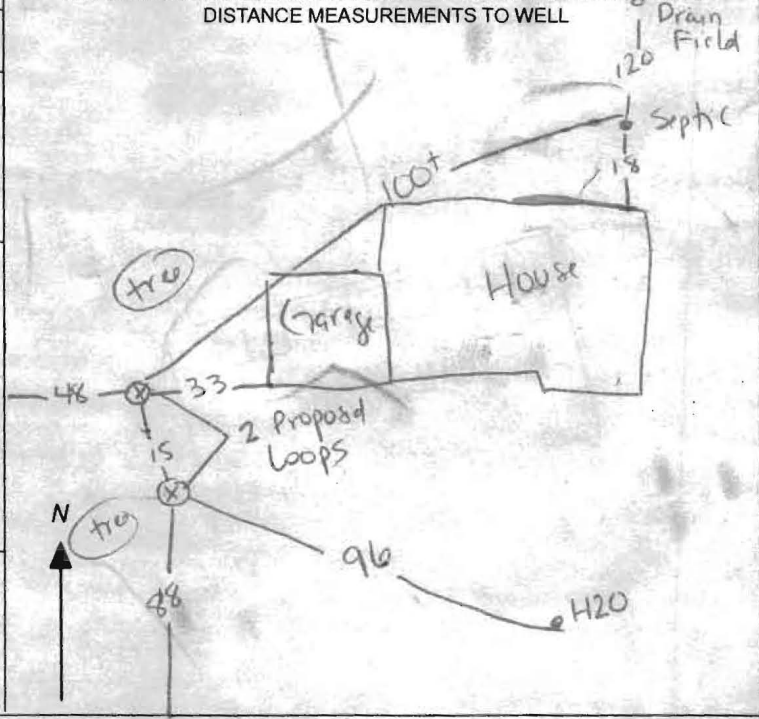
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52

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

APPROP. PERMIT NUMBER G

PERMIT No. HO-15-0003

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



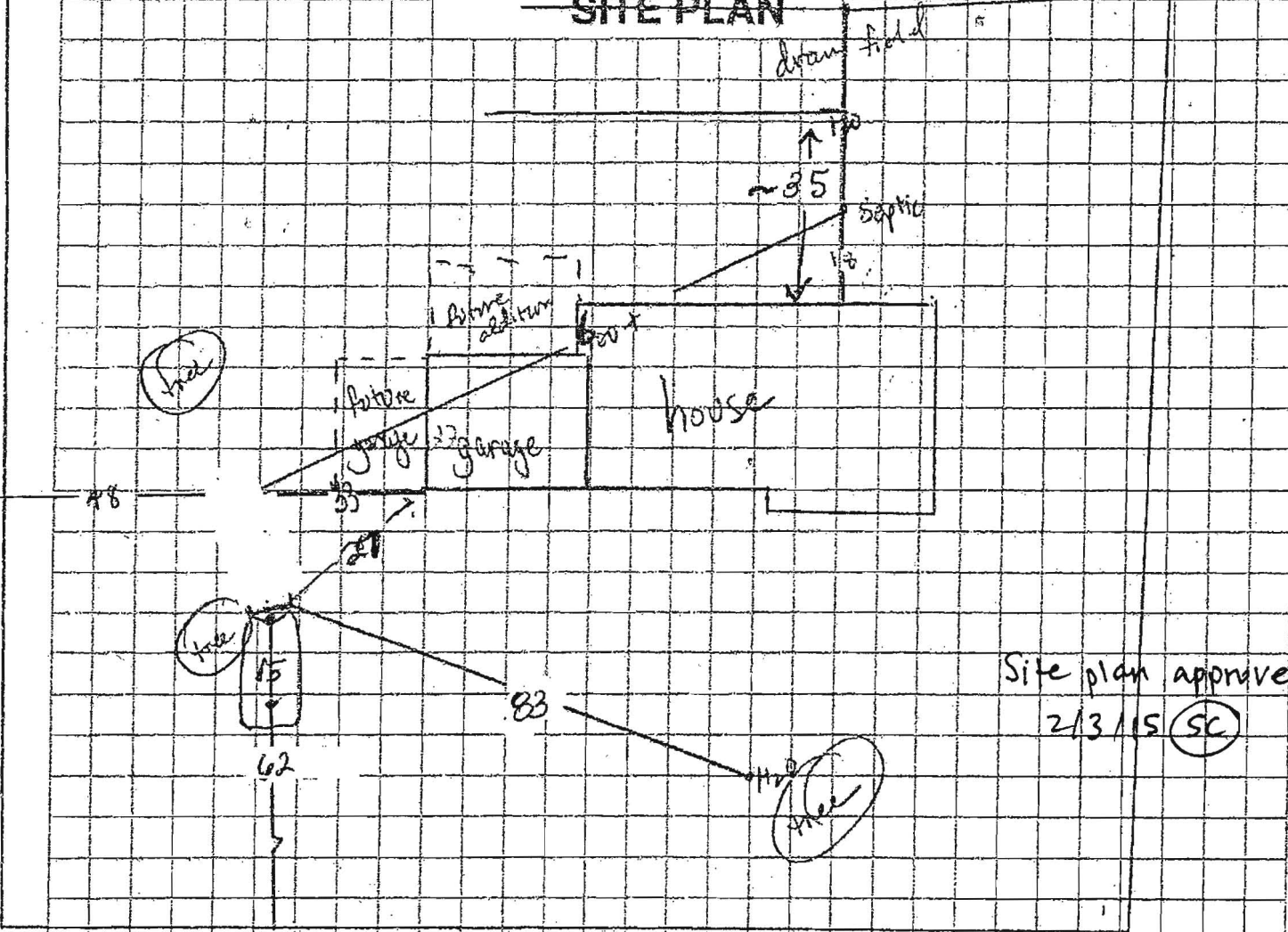
SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Notify health dept at time of grouting



SITE PLAN



1213 Adgate Rd, Woodbine

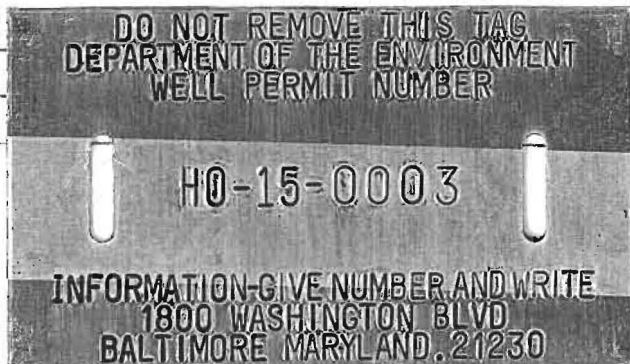
Sediment Control Protocol: silt fence - large lot, plenty of room for water

Distance From House: 33
 From Septic: 100+
 From Sewer: n/a
 From Property Line: 48
 From Street: 88

Trees Nearby: no issues
 Utility Issues: get marked
 Mats Needed: to leave driveway
 Access For H/U: others
 Neighboring Tags: _____

Comments: hookup by Supreme

Person Completing Form: Guerrashi



FILE INQUIRY NOTES

~~110~~

DATE	RESULTS OF REVIEW FOR FILE
2/11/15	Went to see grouting but grouting already complete earlier in the
	day. Loops both read 298 feet at surface. (SC)

SITE INSPECTION SHEET

OWNER: Thomas and Jill Wardell PHONE #: _____

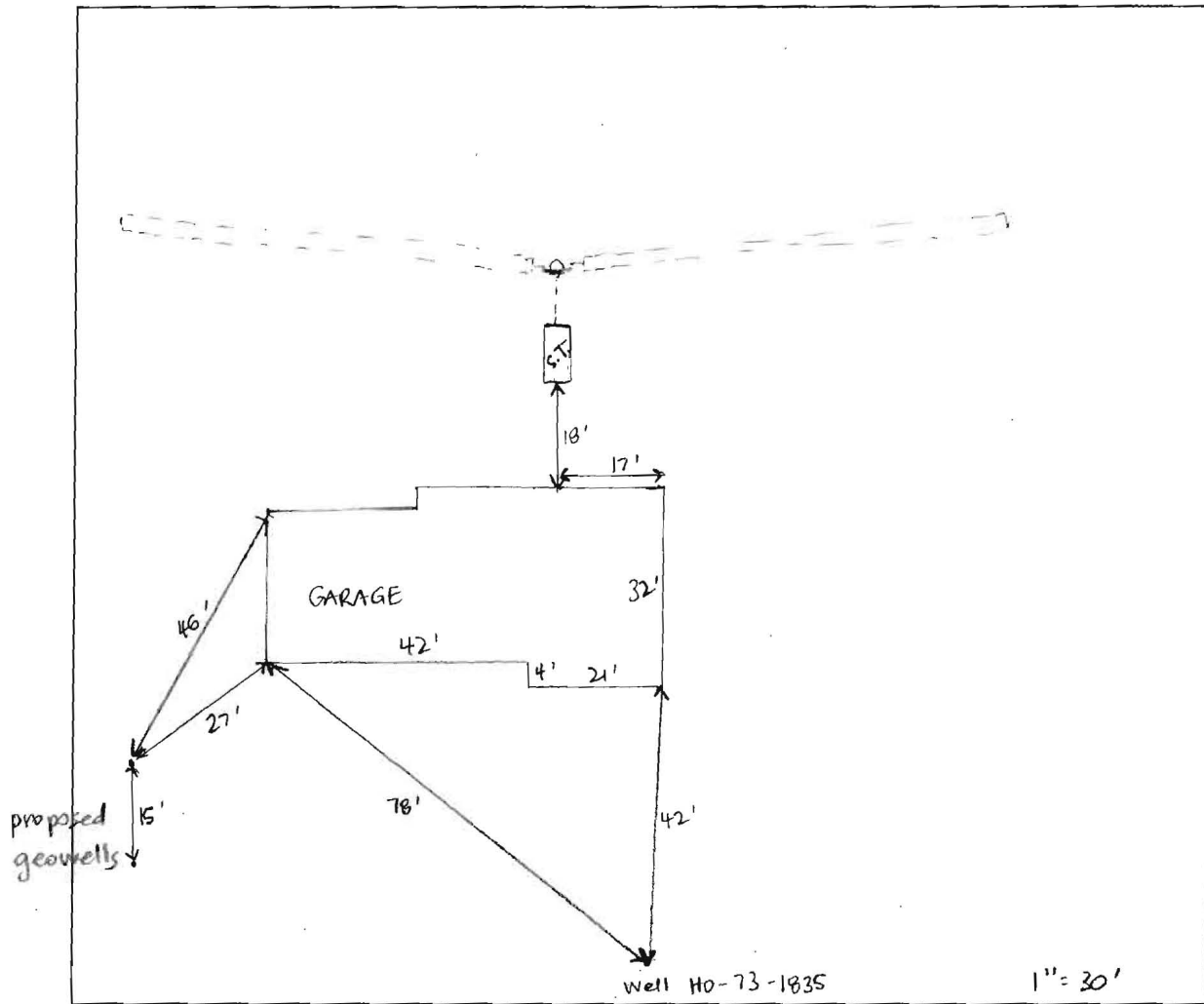
ADDRESS: 1213 Adgate Ct. CONTRACTOR: Allied Environmental Services

Woodbine, MD 21150 WELL TAG #: _____

SUBDIVISION: Lisbon Acres LOT: _____ COUNTY #: _____

PROPOSAL: Install 2 geothermal wells

LOCATION DIAGRAM



COMMENTS: Site visit to confirm proposed location of geothermal wells. Well sites staked by Allied. 50' setback to septic field and 20' setback from house met.

DATE: 2/2/2015 INSPECTOR: Sarah Collins