

C1 655

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 8 00 27 13

DATE WELL COMPLETED

MM DD YY 10 18 13

Depth of Well

22 400 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

90 - 95 - 2523

OWNER

WELL SITE ADDRESS 905 Sunset Valley Dr TOWN Skyline, MD SUBDIVISION Sunset Valley SECTION LOT 1

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

Table with 3 columns: Description, Feet (From/To), and Check if water bearing. Rows include Clay, Soft Brk. Rock, Hard Brk. Rock, Broken Rock 5GPM, Gray Rock, Broken Rock 7GPM, Blk Hard Rock, Broken Brk Rock 5GPM, Gray Rock, and Blk Hard Rock.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N

TYPE OF GROUTING MATERIAL (Circle one) CEMENT BENTONITE CLAY

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 42 NO. OF POUNDS 2100

GALLONS OF WATER 1050

DEPTH OF GROUT SEAL (to nearest foot)

from 48 TOP 52 ft. to 54 BOTTOM 58 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)

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

DEPTH (nearest ft.)

SLOT SIZE 1 2 3

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 (S.R.O.S.) W Q

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

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 (CIRCLE) (YES OR NO) YES 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)

LATITUDE 39.34693 LONGITUDE 76.48301 (DEFAULT COORD. WGS 84)

NOTES: Gas x x Front

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED yes no 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. 1 M WD 553

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 AWD 942

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

1 2 3 4 5 6  
B 1 21206

SEQUENCE NO.  
(MDE USE ONLY)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL  
please type  
545031

STATE PERMIT NUMBER  
70 95-2523 79  
fill in this form completely

Date Received (APA)  
05 09 13  
8 MM DD YY 13  
OWNER INFORMATION  
Augustin Donald  
15 Last Name Owner First Name 34  
905 Sunset Valley Dr  
36 Street or RFD 55  
Sykesville MD 21784  
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL  
Howard County 21  
Sunset Valley 42  
23 SUBDIVISION  
SECTION 44 46 LOT 48 50  
Sykesville  
52 NEAREST TOWN 71

DRILLER INFORMATION  
C. John Hess MW D 553  
76 License No. 81  
Allied Environmental Svcs  
Firm Name  
PO Box 129, Annapolink MD  
Address  
C. John Hess 5/8/13  
Signature Date

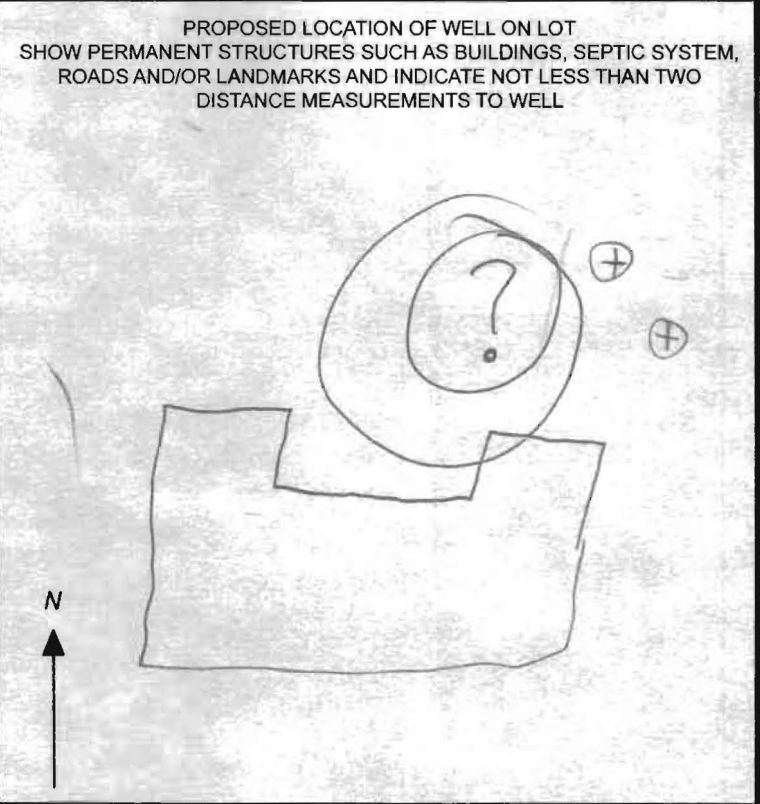
B 4 SOURCES OF DRILLING WATER  
905 Sunset Valley Dr  
11 STREET ADDRESS 30  
2. Public  
3.  
ON WHICH SIDE OF ROAD  
(CIRCLE APPROPRIATE BOX)  
NORTH N  
WEST W EAST E  
SOUTH S  
34 37  
DISTANCE FROM ROAD  
ENTER FT OR MI 38 39  
TAX MAP: 0009 BLK: 0003 PARCEL 0315

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)  
 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 A29159  
COUNTY NAME COUNTY NO.  
STATE  
SIGNATURE INSERT S → 41  
DATE ISSUED  
5/30/13  
43 MM DD YY 48 CO SIGNATURE 5/30/13 EXP. DATE

APPROXIMATE DEPTH OF WELL 2 @ 400 FEET  
24 28  
APPROXIMATE DIAMETER OF WELL 6 INCH  
NEAREST



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 DEEPEMED 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  
39  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 DEEPEM AN EXISTING WELL  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED  
(IF AVAILABLE) 41 - - - - - 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)  
APPROP. PERMIT NUMBER - - - - - G - - - - -  
PERMIT No. 95-2523  
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS  
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED-

BCE Hanes





Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
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TDD 410-313-2323 | Toll Free 1-866-313-6300  
www.hchealth.org  
Facebook: www.facebook.com/hocohealth  
Twitter: HowardCoHealthDep

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

**IMPORTANT**

MEMORANDUM

**TO:** Allied Environmental Services  
Attn: John Hess, MWD 553  
FILE

**FROM:** Kevin M. Wolf, R.S., R.E.H.S. *(kw)*  
Well and Septic Program  
Groundwater Mgmt. Sec.

**DATE:** May 17, 2013

**RE:** Geothermal Wells  
*905 Sunset Valley Drive*

The following comments apply to the above geo well application submitted for review and approval:

A complete Site Plan must be submitted with all well permits. The plan must be clear and legible, and show indications of nominal distances from features on the property to the proposed geobore locations. These features include, but not limited to, wells, septic system components, house, right-of-ways, and property lines.

Site inspections occur frequently on most of the well permit applications submitted to our office for review. Please make sure the proposed geo bore sites are clearly marked in the field (i.e. stakes, flags, markers, etc...)

In conjunction with these statements and current regulations, geothermal bores **must be** separated by 30' to any potable wells and 50' to any adjacent septic's if geobores are up-gradient and 100' separation if down-gradient. Bores must also be 15' removed from foundations of structures and right-of-way's and 10' removed from all property lines.

Any questions please call me at 410-313-2645 or email [kwolf@howardcountymd.gov](mailto:kwolf@howardcountymd.gov)

KMW  
Cc: file