

C1 7587

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)

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED MM DD YY

DATE WELL COMPLETED MM DD YY

Depth of Well (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER, STREET OR RFD, SUBDIVISION, SECTION, TOWN

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 Topsoil, tan sand, orange/red clay, Red orange Schaly, Schaly weathered Rock, Soft Blue Rock, Blue Rock.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle appropriate box) Y N. TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC. NO. OF BAGS 30 NO. OF POUNDS 750. GALLONS OF WATER. DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 375 ft.

CASING RECORD

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 60.3 Total depth of main casing (nearest foot) 112. Casing types insert appropriate code below: ST (STEEL), CO (CONCRETE), PL (PLASTIC), OT (OTHER).

OTHER CASING (if used)

Table for OTHER CASING with columns: 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.)

Table for DEPTH with columns: E A C H S R E E N and values for 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 15, 17, 21, 23, 24, 26, 30, 32, 36, 38, 39, 41, 45, 47, 51. Includes 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

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

C 3

PUMPING TEST

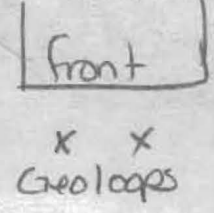
HOURS PUMPED (nearest hour) 8 9. PUMPING RATE (gal. per min.) 11 15. METHOD USED TO MEASURE PUMPING RATE. WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20 ft. WHEN PUMPING 22 25 ft. TYPE OF PUMP USED (for test): A air, P piston, T turbine, C centrifugal, R rotary, O other, J jet, S submersible.

PUMP INSTALLED

DRILLER INSTALLED PUMP 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) 49 51.

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



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. M D 106, DRILLERS SIGNATURE, LIC. NO. MW D 553

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

05-380913

EMERGENCY/TEMP NO. IF ANY

B 1 **6971** SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type STATE PERMIT NUMBER **HO-95-2013**
1 2 3 6 70 fill in this form completely 79

Date Received (APA) **09 24 10**
8 MM DD YY 13
OWNER INFORMATION
 15 Last Name **Acheson** Owner **David W** First Name **David W** 34
 36 **14182 Day Farm Road** Street or RFD 55
 57 **Blensly** Town 70 **MD** State 72 **21737** Zip 76

B 3 **Howard** LOCATION OF WELL
 8 COUNTY **Howard** 21
 23 SUBDIVISION **One Heritage** 42
 SECTION **44** 46 LOT **13** 48 50
Blensly
 52 NEAREST TOWN **Blensly** 71
 MILES FROM TOWN (enter 0 if in town) **0** M I
73 76 77 78

DRILLER INFORMATION
Drushel Arnette M **5** D **106**
 Driller's Name 76 License No. 81
United Environmental Services
 Firm Name
PO Box 1242, Sellersville Md 21108
 Address
Drushel Arnette 9/21/10
 Signature Date

B 4
 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
 11 **(14182) Day Farm Rd** NEAR WHAT ROAD 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
 34 **60** 37 DISTANCE FROM ROAD FT
 ENTER FT OR MI 38 39
 TAX MAP: **21** BLK: **18** PARCEL **184**

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)
 22 I INDUSTRIAL, COMMERCIAL, DEWATERING
 P PUBLIC WATER SUPPLY WELL
 T TEST, OBSERVATION, MONITORING
 G GEO-THERMAL **2 Closed Loops**

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard (13) **A514229-C**
 COUNTY NAME COUNTY NO.
 STATE SIGNATURE _____ INSERT S →
 DATE ISSUED **10/4/2010** **Bruan Baker** 10/4/2011
43 MM DD YY 48 CO SIGNATURE EXP. DATE
 NORTH GRID **519** 0 0 0 EAST GRID **799** 0 0 0
50 55 57 63

APPROXIMATE DEPTH OF WELL **375** FEET
24 28
 APPROXIMATE DIAMETER OF WELL **6** INCH
 NEAREST TOWN

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. **Driller Well**
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E **7909**
 N **52019**
 000
 000

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

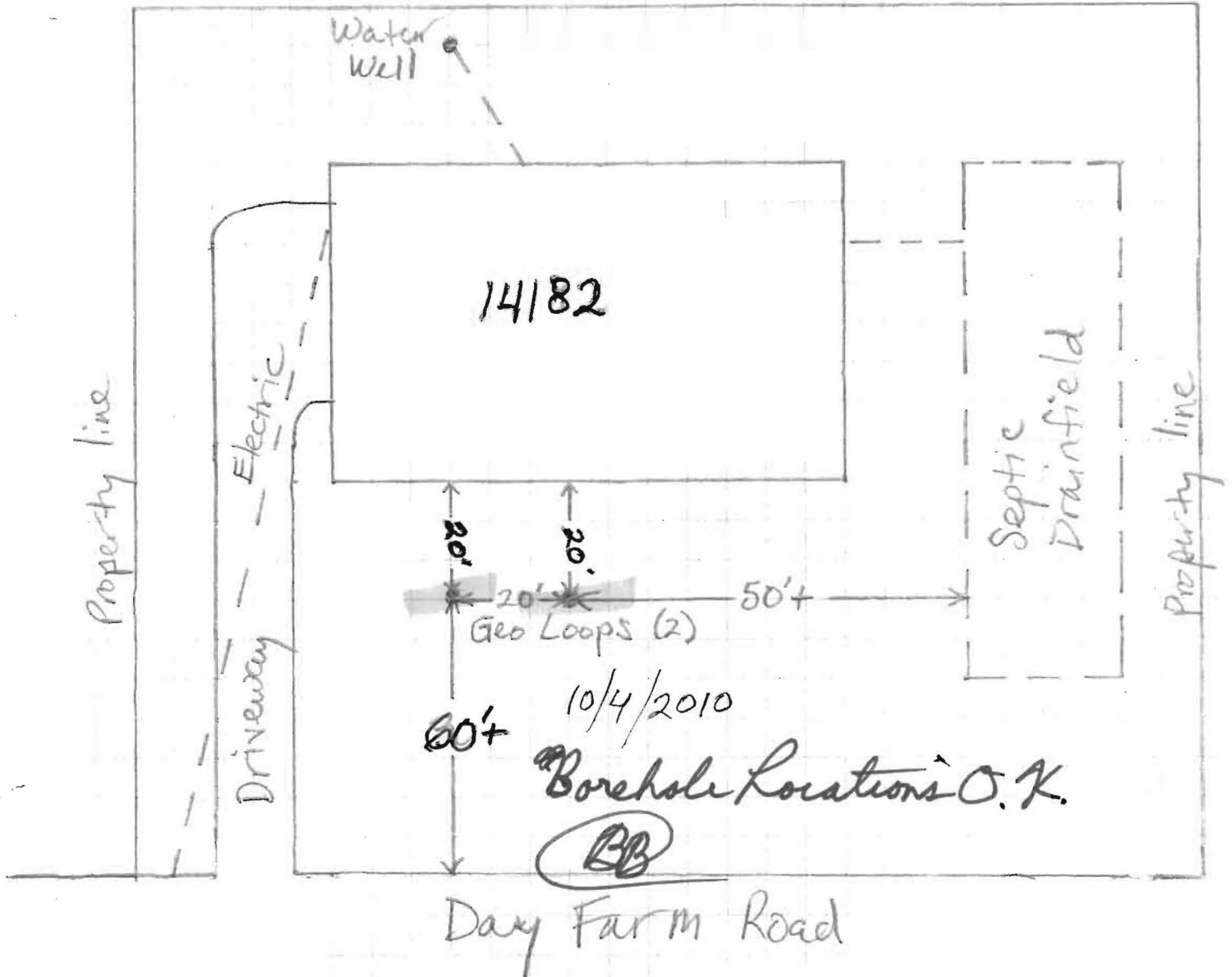
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION
 9/E/11
 N

 Day Farm Rd
 Sharp Road

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
 APPROP. PERMIT NUMBER _____ G _____
 PERMIT No. **HO-95-2013**
70 71 72 73 74 75 76 77 78 79

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

ALLIED WELL DRILLING SITE PLAN



NEIGHBORING TAG #'S: _____

DISTANCE FROM HOUSE: 20'
 FROM SEPTIC: 50'+
 FROM SEWER: _____
 FROM PROPERTY LINE: 50'+
 FROM STREET: 30'+

TREES NEARBY: No
 UTILITY ISSUES: No
 MATS NECESSARY: No
 ACCESS FOR H/U: Yes - see Brett

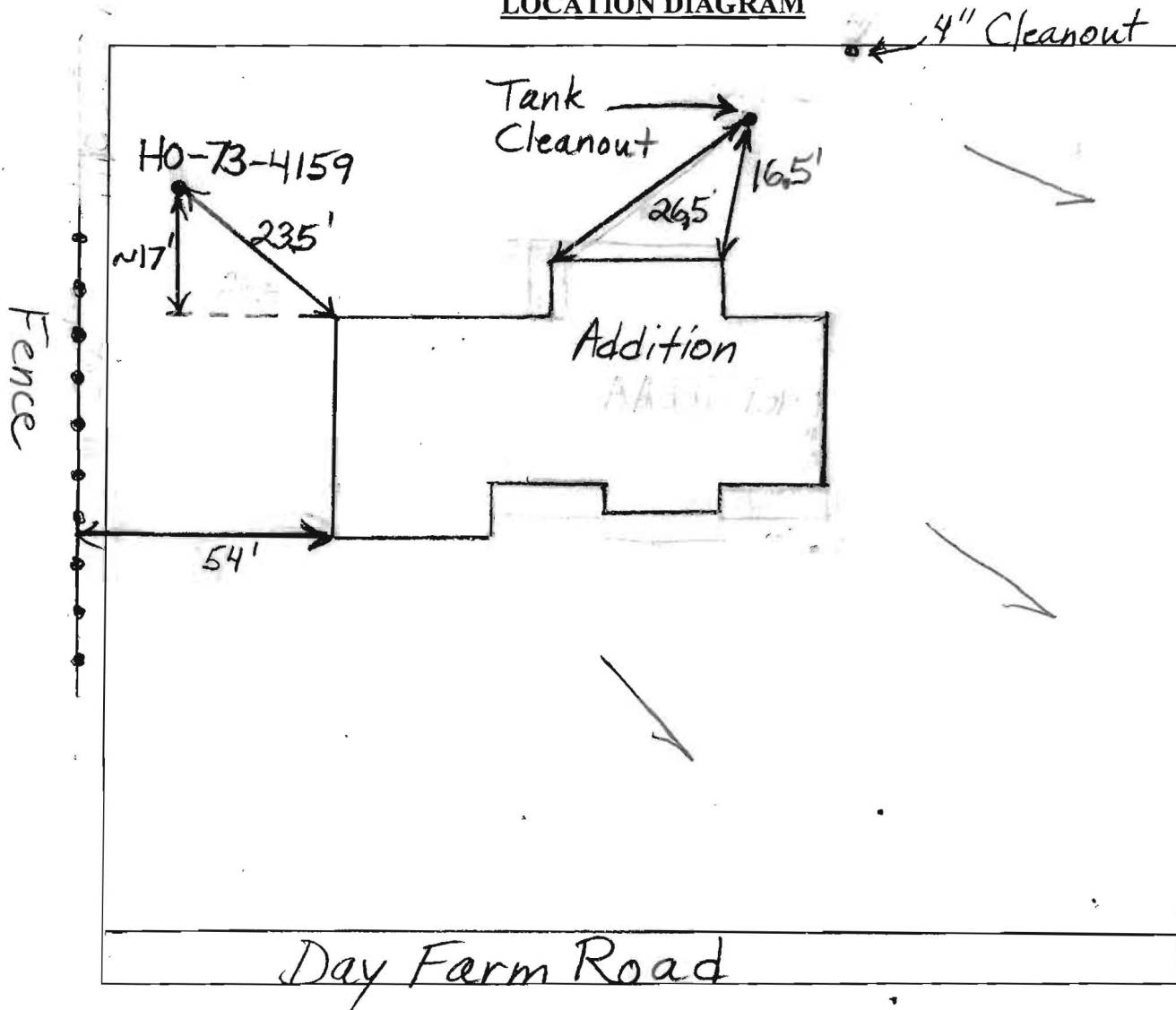
COMMENTS:

PERSON COMPLETING FORM: Andy T.

SITE INSPECTION SHEET

OWNER: David Acheson PHONE #: _____
ADDRESS: 14182 Day Farm Road CONTRACTOR: Allied Environmental
WELL TAG #: _____
SUBDIVISION: Heritage LOT: 13 COUNTY #: _____
PROPOSAL: 2 Geothermal Boreholes

LOCATION DIAGRAM



COMMENTS: _____

DATE: 10/1/2010 INSPECTOR: B. Baker