

C1 20762

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

ST/CO USE ONLY DATE Received MM DD YY 05 09 14

DATE WELL COMPLETED MM DD YY 4-1-14

Depth of Well 22 240 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-45-2661

OWNER: Brown, Michael; WELL SITE ADDRESS: 3153 Emerald Valley Rd; TOWN: Ellicott City, MD

WELL LOG Not required for driven wells

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Topsoil, Herd Brn Rock, Weathered Rock, and Med Gray Rock.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N); TYPE OF GROUTING MATERIAL (CM, BC); NO. OF BAGS; NO. OF POUNDS; GALLONS OF WATER; DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE, Nominal diameter, Total depth; OTHER CASING (if used) diameter, depth

SCREEN RECORD

screen type or open hole (ST, BR, HO, PL, OT); DEPTH (nearest ft.)

PUMPING TEST

HOURS PUMPED; PUMPING RATE; METHOD USED TO MEASURE PUMPING RATE; WATER LEVEL; TYPE OF PUMP USED

PUMP INSTALLED

DRILLER INSTALLED PUMP; IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS; TYPE OF PUMP INSTALLED; CAPACITY; PUMP HORSE POWER; PUMP COLUMN LENGTH; CASING HEIGHT

WELL HYDROFRACTURED (Y/N)

CIRCLE APPROPRIATE LETTER: A (ABANDONED AND SEALED), 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...

DRILLERS LIC. NO. M D 553

DRILLERS SIGNATURE; LIC. NO. WR D 097

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

Table with columns: E A C H S C R E E N, SLOT SIZE, DIAMETER OF SCREEN

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER); TELESCOPE CASING; LOG INDICATOR; OTHER DATA

LATITUDE 39.283935; LONGITUDE 76.92287; (DEFAULT COORD. WGS 84)

NOTES: 1 x 39, 283920; 2 x 76.922921; Front

03-281769

EMERGENCY/TEMP NO. IF ANY

B 1	SEQUENCE NO. (MDE USE ONLY) 26453	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER HO-95-2661 <small>70 fill in this form completely 79</small>
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OWNER INFORMATION

Date Received (APA) **03/07/14**
8 MM DD YY 13

15 Last Name **Basom** Owner First Name **Michael** 34

36 Street or RFD **3153 Emerald Valley Rd** 55

57 Town **Elliott City** 70 State **Md** 72 Zip **21042** 76

B 3 LOCATION OF WELL

8 COUNTY **Howard** 21

23 SUBDIVISION _____ 42

SECTION **44** 46 LOT **3** 48 50

52 NEAREST TOWN **Elliott City** 71

DRILLER INFORMATION

Driller's Name **John Hess** 76 License No. **MWD 553** 81

Firm Name **Allied Environmental Services Inc**

Address **PO Box 1299, Annapolis Junction Md 20701**

Signature **[Signature]** Date **03/06/14**

B 4 SOURCES OF DRILLING WATER

1. **Public**

2. _____

3. _____

11 STREET ADDRESS **3153 Emerald Valley Rd** 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

NORTH
 WEST
 EAST
 SOUTH

34 DISTANCE FROM ROAD 37

ENTER FT OR MI 38 39

TAX MAP: **0023** BLK. **0002** PARCEL **0100**

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)

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 **2 loops**

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

County Name **Howard** County No. **13**

STATE SIGNATURE _____ INSERT S →

DATE ISSUED **3/13/14** 43 MM DD YY 48 CO SIGNATURE **Andrew Stewart** 41 EXP. DATE **3/13/15**

APPROXIMATE DEPTH OF WELL **320** FEET 24 28

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 DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

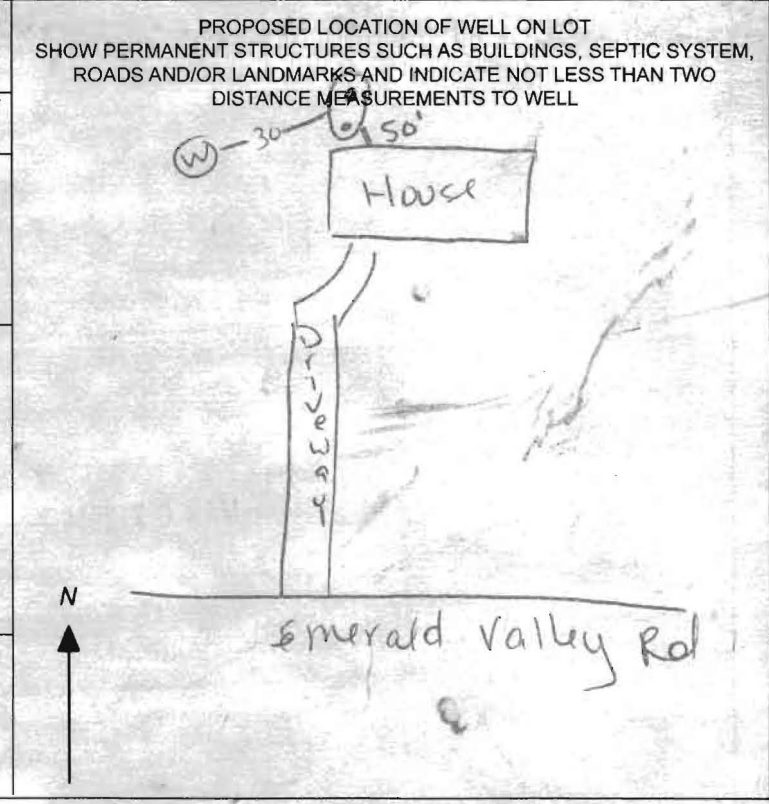
THIS WELL WILL DEEPEM AN EXISTING WELL

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)

APPROX. PERMIT NUMBER _____ **G** _____

PERMIT No. **HO-95-2661**
70 71 72 73 74 75 76 77 78 79



SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Supreme Air

GRADE

EACH BORE HOLE (TYP)

MINIMUM BORE DEPTH 4 FT

FOR CONT. SEE PLANS

Bore Depth

ANCHOR FITTINGS TO PREVENT U-TUBE FROM SURFACING AFTER INSTALLATION

5 TO 10 FOOT SECTION OF REBAR TO GUIDE TUBE INTO BORE DURING INSTALLATION

TAPE

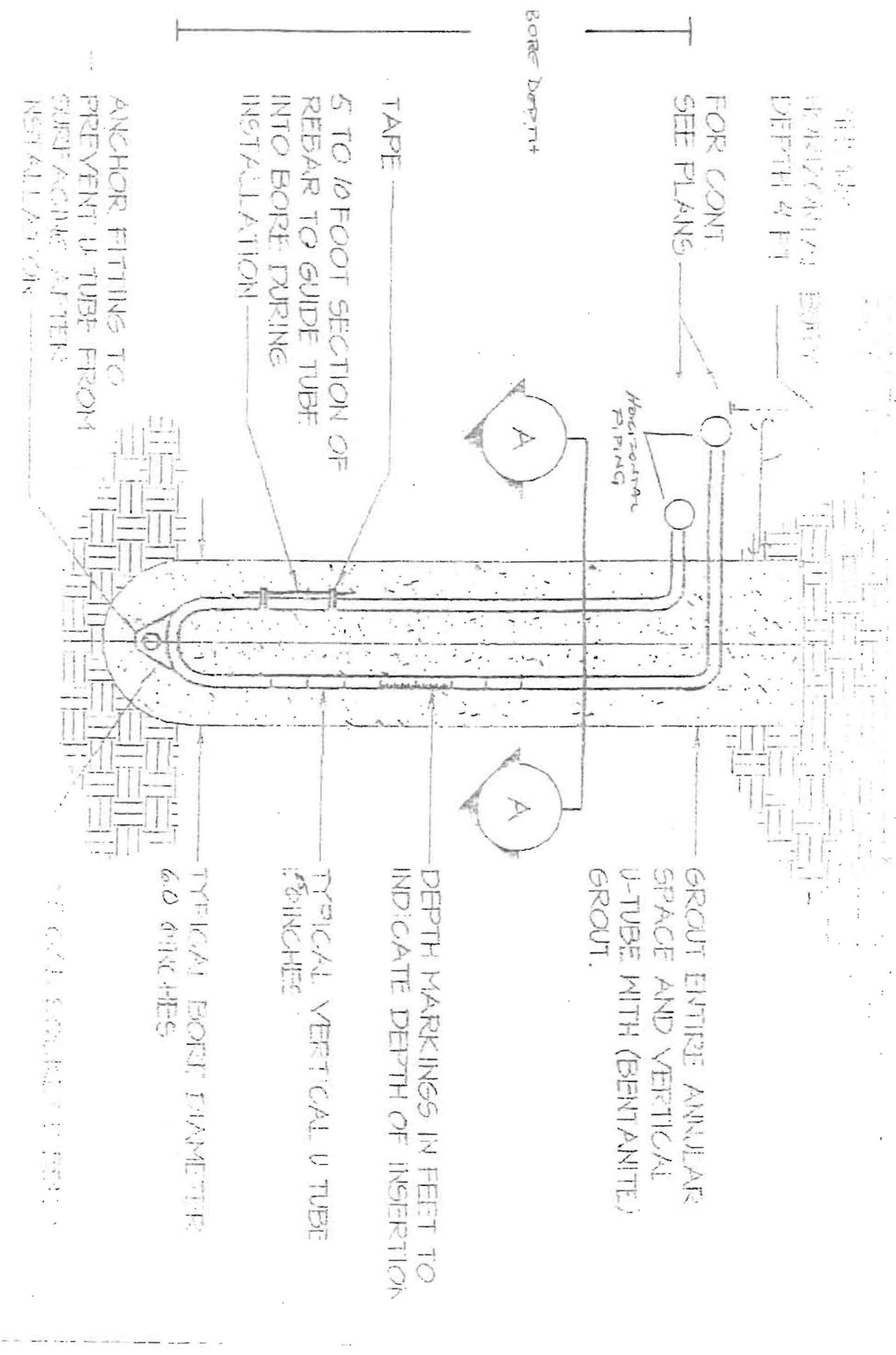
GROUT ENTIRE ANNULAR SPACE AND VERTICAL U-TUBE WITH (BENTONITE) GROUT.

DEPTH MARKINGS IN FEET TO INDICATE DEPTH OF INSERTION

TYPICAL VERTICAL U-TUBE 20 INCHES

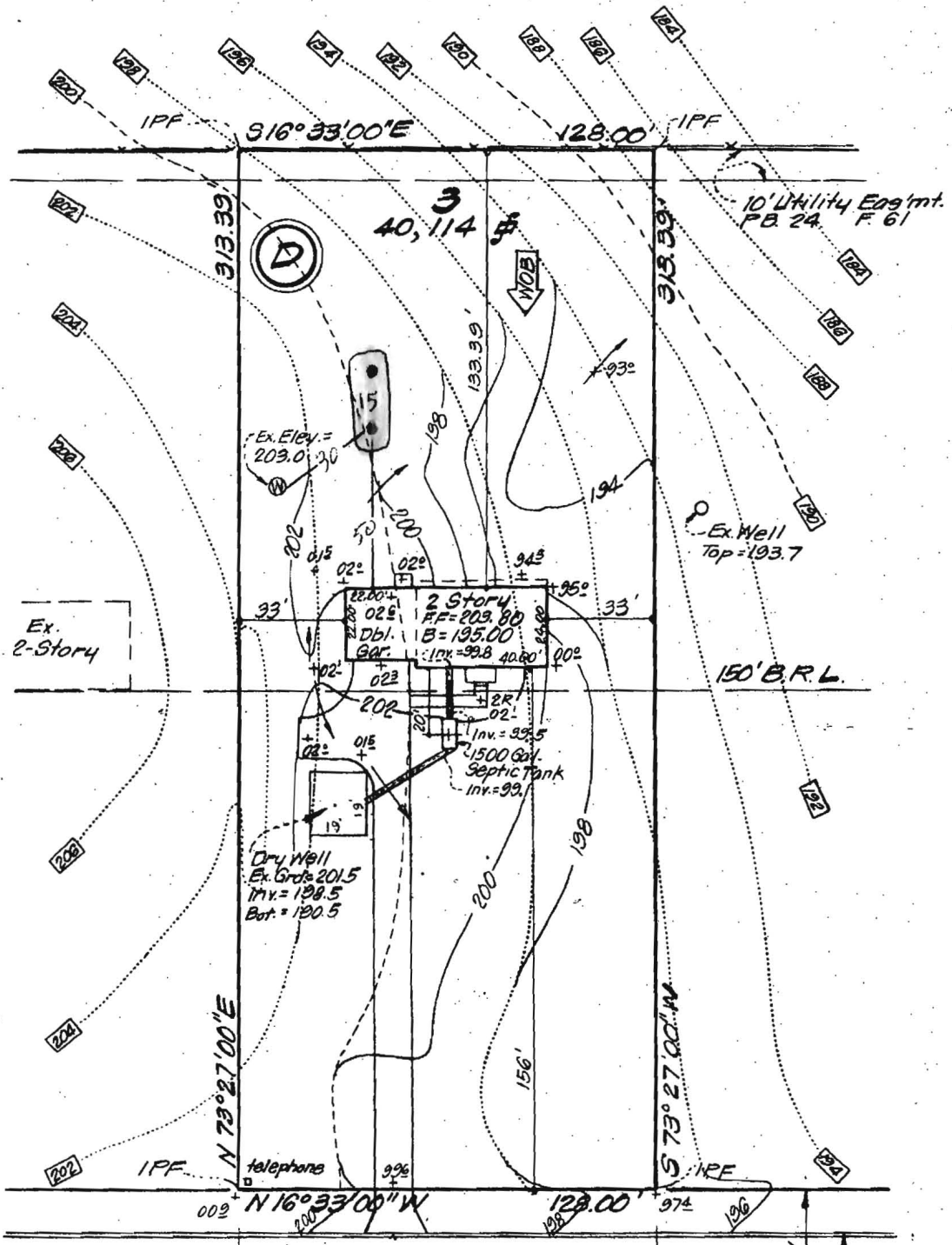
TYPICAL BORE DIAMETER 6.0 INCHES

SEE CALL OUT FOR MORE



99.8
ST. 99.5
D.W. 99.1
198.5

6-13-77
L.S.M.



EMERALD VALLEY

60' F/W
36'
ROAD