

B 1 5733

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER GA-95-1287 fill in this form completely

Date Received (ABA) 06 16 08

OWNER INFORMATION

Umbel Hugh 15 Last Name Owner First Name 34 P.O. Box 158 36 Street or RFD 55 McHenry MD 21541 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL Garrett 8 COUNTY 21 23 SUBDIVISION 42 SECTION 44 46 LOT 48 50 52 McHenry NEAREST TOWN 71 MILES FROM TOWN (enter 0 if in town) 6 M I 73 76 77 78

DRILLER INFORMATION Wayne T. Bolden M W D 419 76 Driller's Name License No. 81 Wayne's Water n' Well's, Inc. Firm Name 19139 Garrett Highway, Oakland Address Wayne T. Bolden Signature 6-16-08 Date

B 4 1 2 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 1931 Lakeshore Drive 11 NEAR WHAT ROAD 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH SOUTH WEST EAST DISTANCE FROM ROAD 100 34 37 ENTER FT OR MI 38 39 TAX MAP: 58 BLK: PARCEL 196

B 2 WELL INFORMATION APPROX. PUMPING RATE 6 GAL. PER MIN. 8 12 AVERAGE DAILY QUANTITY NEEDED 500 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 G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Garrett 97 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S 41 DATE ISSUED 6-19-08 Walter J. Kaydel CO SIGNATURE EXP. DATE NORTH GRID 50 000 EAST GRID 57 000

APPROXIMATE DEPTH OF WELL 300 24 28 FEET APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. Well water 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE E 130 N 610

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 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 DEEPEAN 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 Lakeshore Drive 219 Bldg. US Rt 219

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER G PERMIT No. GA-95-1287 70 71 72 73 74 75 76 77 78 79

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

C1 8792

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 97

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO.

DATE Received MM DD YY

08 29 08

22 180 26 (TO NEAREST FOOT)

FROM "PERMIT TO DRILL WELL" GA-95-1287

OWNER Umbel Hugh STREET OR RFD PO Box 158 TOWN McHenry SUBDIVISION 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, FEET (FROM, TO), check if water bearing. Rows include Sandy clay, Brown shale, Gy sandstone, Red shale, etc.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 11 NO. OF POUNDS 710 GALLONS OF WATER 160 DEPTH OF GROUT SEAL (to nearest foot) from 0 TOP 52 ft. to 83 BOTTOM 58 ft.

CASING RECORD

screen type or open hole (insert appropriate code below) MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch)! Total depth of main casing (nearest foot) ST 6 84

OTHER CASING (if used)

diagram showing casing diameter and depth

SCREEN RECORD

(insert appropriate code below) ST BR HO PL OT STEEL BRASS OPEN HOLE PLASTIC OTHER

DEPTH (nearest ft.)

PL 5 180 A 8 9 11 15 17 21 H 23 24 26 30 32 36 S 38 39 41 45 47 51 E SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

C 3

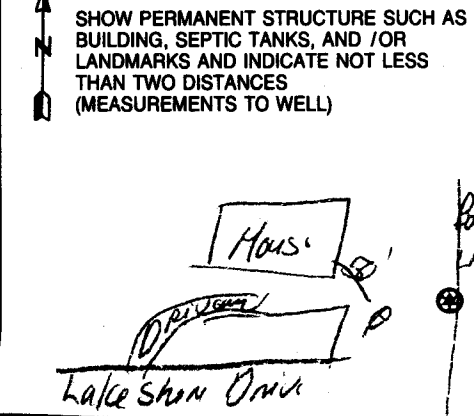
PUMPING TEST

HOURS PUMPED (nearest hour) 1/8 9 PUMPING RATE (gal. per min.) 30 11 15 METHOD USED TO MEASURE PUMPING RATE Air WATER LEVEL (distance from land surface) BEFORE PUMPING 40' 17 20 ft. WHEN PUMPING 180' 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 (CIRCLE) (YES or NO) YES 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) 7 31 35 PUMP HORSE POWER 1/2 37 41 PUMP COLUMN LENGTH (nearest ft.) 160 43 47 CASING HEIGHT (circle appropriate box and enter casing height) + above - below LAND SURFACE 1 (nearest foot) 49 50 51

LOCATION OF WELL ON LOT



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED YES (Y) NO (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 W D 419 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 D

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

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 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA