

C1 16501 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

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

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well 240

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-2288

OWNER Zundel Norman WELL SITE ADDRESS 6754 Gormit Drive TOWN Elkridge SUBDIVISION Mayfield Manor SECTION LOT 46

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Borehole #1 and Borehole #2 with geological descriptions like Sandy orange gray clay and Sandstone.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) NO (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 21 NO. OF POUNDS 1030

CASING RECORD MAIN CASING TYPE (ST) Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 15'

OTHER CASING (if used) diameter inch depth (feet) from to

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

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 WHEN PUMPING 22.25 TYPE OF PUMP USED (for test) C centrifugal R rotary O other

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 } LAND SURFACE - below } (nearest foot)

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED (Y) (N) CIRCLE APPROPRIATE LETTER 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 S D 028 DRILLERS SIGNATURE Michael Koller LIC. NO. 1 M S D 038 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

DEPTH (nearest ft.) 1 2 3 4 5 6 7 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

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

LATITUDE 39.11.545 LONGITUDE 76.47.061 (DEFAULT COORD. WGS 84)

NOTES: Borehole #2 Lat: 39, 11.545 Long: 76, 47.056

B 1 1976

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-95-2288

537264

please type

fill in this form completely

Date Received (APA)

04/18/12

OWNER INFORMATION

8 MM DD YY 13

15 Last Name Owner First Name 34

6484 Grommet Dr.

36 Street or RFD 55

Elkridge MO. 21075

57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

Howard

8 COUNTY 21

Mayfield Manor

23 SUBDIVISION 42

SECTION 1 LOT 46

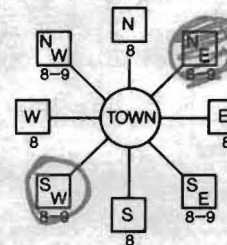
Elkridge

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 4 MI

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Marloak Dr.

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 30 37

DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: 37 BLK: 21 PARCEL 290

DRILLER INFORMATION

Michael J. Kohler M S D 028

Driller's Name 76 License No. 81

Eichelberger's FNC.

Firm Name

175 S. Wilson LA. YORK PA 17406

Address

Michael Kohler 4-17-12

Signature Date

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
G GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard (13) Public

COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S 41

DATE ISSUED 4/27/2012 Brian Baker 4/27/2013

43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 495 000 EAST GRID 861 000

50 55 57 63

APPROXIMATE DEPTH OF WELL 480 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)

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 DEEPEMED 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-95-2288

SPECIAL CONDITIONS

From Bottom Upwards with Tremie Pipe

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1. Approved
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 76° 47' 15"
N 39° 12' 00"

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



WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 5-18-12 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any)

HO-95-2288

* PERMIT NUMBER OF REPLACEMENT WELL:

* PERSON ABANDONING WELL: Eichelbergers Inc

WELL DRILLER'S LICENSE NUMBER: 028

CIRCLE: MWD MSD MGD

* OWNER'S NAME: Norman Zundel

* WELL LOCATION:
COUNTY: Howard
NEAREST TOWN: Elkridge
TAX MAP 37 BLOCK 21 PARCEL 290
SUBDIVISION: Mayfield Manor
SECTION: _____ LOT: 46
STREET ADDRESS: 6484 Grommit Drive

SITE LOCATION MAP

See attached
Borehole #1 Lat: 39, 11.545
Long: 76, 47.061
Borehole #2: Lat: 39, 11.545
Long: 76, 47.056

LATITUDE 39.11.545

LONGITUDE 76.47.061

Michael Koller

* TYPE OF WELL BEING ABANDONED:

- DRILLED JETTED
- BORED HAND DUG
- OTHER (specify) _____

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Bentonite	240	0
VOLUME OF MATERIAL USED		
1,050 lbs		

* USE CODE: DOMESTIC

- IRRIGATION MUNICIPAL/PUBLIC
- TEST/OBSERVATION INDUSTRIAL
- _____ GEOTHERMAL

* TYPE OF CASING:

- STEEL PLASTIC
- CONCRETE OTHER (specify) _____

SIZE OF CASING: 4 INCHES IN DIAMETER

DEPTH OF WELL: 240 FEET DEEP

WAS ANY CASING REMOVED? YES NO

If yes, length removed, in feet: _____

WAS CASING RIPPED OR PERFORATED? YES NO

