

C1 46152 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.COUNTY
NUMBER1 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 11 07 13

DATE WELL COMPLETED

MM DD YY
10 31 16

Depth of Well

22 480 26
(TO NEAREST FOOT)PERMIT NO.
FROM "PERMIT TO DRILL WELL"10 15 0331
28 29 30 31 32 33 34 35 36 37

OWNER

WELL SITE ADDRESS

SUBDIVISION

SECTION

LOT

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR
COLOR, DEPTH, THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)FEET
FROM TOcheck
if water
bearing

Top Soil 0 2
Brown Silt 2 18
Broken 18 20
Brown Silt 20 33
Broken 33 35
Brown Silt 35 41
Broken 41 43
Baltimore 43 480
Gabbro

GROUTING RECORD

yes no

WELL HAS BEEN GROUTED
(Circle Appropriate Box)Y N
44 44

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 45 18 NO. OF POUNDS 45 900

GALLONS OF WATER 342

DEPTH OF GROUT SEAL (to nearest foot)

from 48 0 ft. to 54 480 58 ft.
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
belowST
STEELCO
CONCRETEPL
PLASTICOT
OTHERMAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)Total depth
of main casing
(nearest foot)ST 6 145
60 61 63 64 66 70E
A
C
H
C
A
S
I
N
G

OTHER CASING (if used)

diameter depth (feet)

ST 10 12 6
inch from toscreen type
or open hole

SCREEN RECORD

(insert
appropriate
code
below)ST
STEELBR
BRASSHO
OPEN
HOLEPL
PLASTICOT
OTHERC 2 DEPTH (nearest ft.)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

NUMBER OF UNSUCCESSFUL WELLS: 0

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
WELLI 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 572

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1

W R D 064

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 68MDE USE ONLY
(NOT TO BE FILLED IN BY DRILLER)

T

(E.R.O.S.)

W Q

70

72

74 75 76

TELESCOPE
CASINGLOG
INDICATOR

OTHER DATA

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
(describe
below)

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

LAND SURFACE

- below

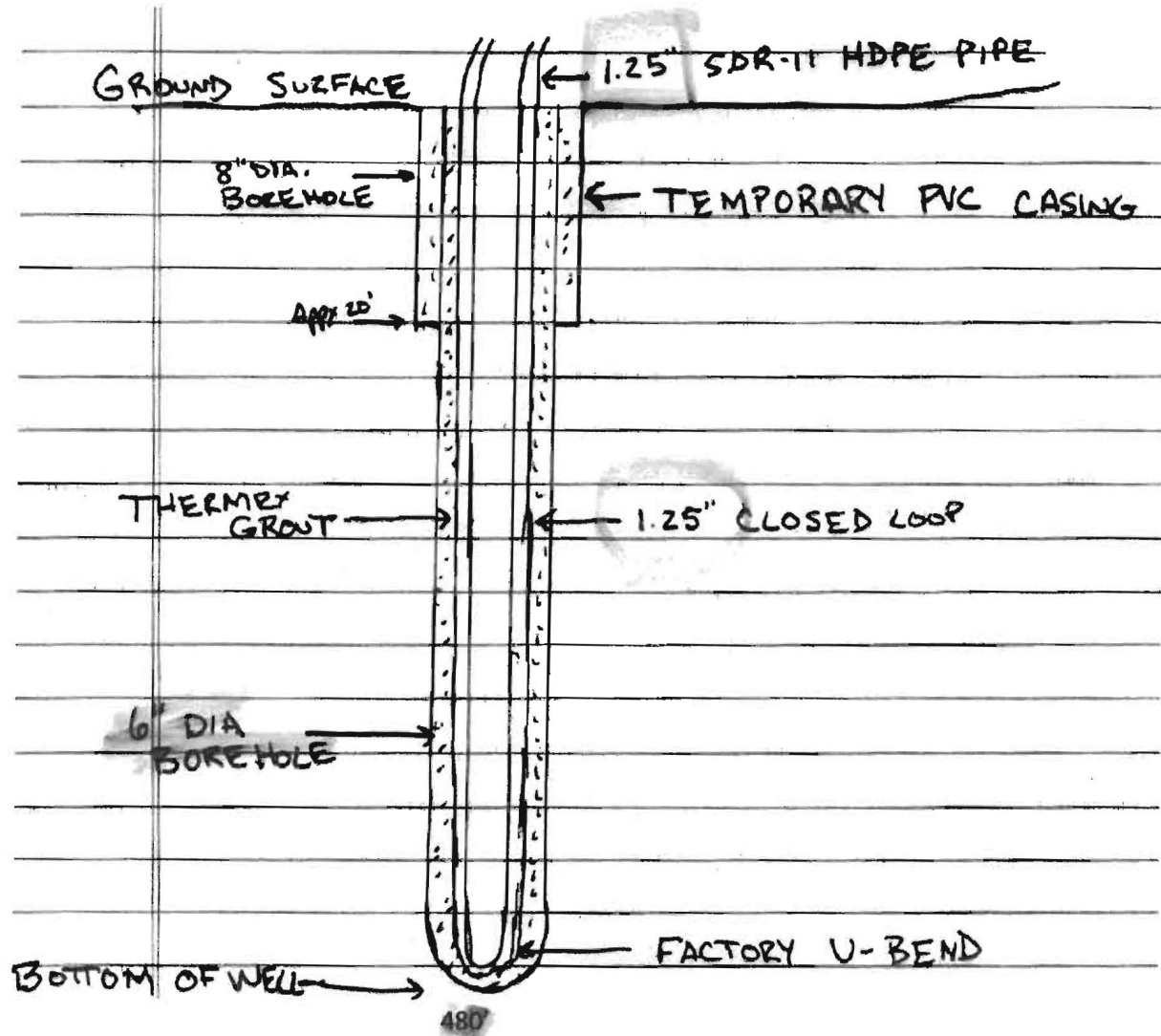
2 (nearest
foot)LATITUDE 39.153214
LONGITUDE 76.844063
(DEFAULT COORD. WGS 84)Pursuant to §10-624 of the State Govt. Article of
the Maryland Code personal info. requested on
this form is used in processing this form pursuant
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B 1	46437 <small>1 2 3 6</small>	SEQUENCE NO. (MDE USE ONLY) 559793	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER 40-15-0331 <small>70 79</small> fill in this form completely
OWNER INFORMATION Date Received (APA) 10-12-16 <small>8 MM DD YY 13</small> Last Name Sholtes Owner Robert + Deborah First Name Robert <small>15 34</small> Street or RFD 9516 White Spring Way <small>36 55</small> Town Columbia MD 21046 <small>57 70 72 76</small>			LOCATION OF WELL Howard <small>8 COUNTY 21</small> SUBDIVISION VIL Kings Contriv <small>23 42</small> SECTION 44 LOT 84 <small>44 46 48 50</small> NEAREST TOWN Columbia <small>52 71</small>	
DRILLER INFORMATION Driller's Name Samuel A. Connelly M W D 572 <small>76 81</small> Firm Name Connelly + Associates, Inc. Address 240 Interstate Ct, Frederick, MD 21704 Signature Samuel A. Connelly Date 10-12-16 <small>57 70 72 76</small>			SOURCES OF DRILLING WATER 1. Private 2. 3. ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH <input type="radio"/> WEST <input checked="" type="radio"/> EAST <input type="radio"/> SOUTH <input type="radio"/> DISTANCE FROM ROAD 12.5 ENTER FT OR MI FT TAX MAP: 42 BLK: 442 PARCEL 442	
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20 <small>1 2 8 12 14 20</small>			NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard (13) COUNTY NAME COUNTY NO. STATE SIGNATURE _____ INSERT S → DATE ISSUED 10/25/16 12. M. Vail 10/25/17 <small>43 MM DD YY 48</small> CO SIGNATURE EXP. DATE	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input checked="" type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING <input type="checkbox"/> PUBLIC WATER SUPPLY WELL <input type="checkbox"/> TEST, OBSERVATION, MONITORING <input type="checkbox"/> OPEN LOOP GEOTHERMAL <input checked="" type="checkbox"/> CLOSED LOOP GEOTHERMAL			PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL 	
APPROXIMATE DEPTH OF WELL 480 FEET <small>24 28</small> APPROXIMATE DIAMETER OF WELL 6 INCH <small>NEAREST INCH</small>			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) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input checked="" type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS <input type="checkbox"/> THIS WELL WILL DEEPMEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52			Pursuant to § 10-624 of the State Govt. Article of the Maryland Code, personal info requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State Law.	
Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER G PERMIT No. 40-15-0331 <small>70 71 72 73 74 75 76 77 78 79</small>			SPECIAL CONDITIONS Get bore bottom to top. <small>NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.</small>	

FILE INQUIRY NOTES

[illegible]

Geothermal Closed Loop – 9516 White Spring Way, Columbia, MD



Grout information for this property is as follows:

Thermex grout mixture of 50 lb. grout to 19 gallons water, placed in the well using the tremie method, from bottom to top.

No sand

Legacy Water-Sewer

File Home Create External Data Database Tools

View Filter Sort & Filter Records Text Formatting

frmLegacyWS_Master qry_StreetSearchLike

HOWARD COUNTY DEPARTMENT OF FINANCE

Legacy Water/Sewer - Master Data

Street Search

Account No: 62542255 9516 WHITE SPRING WAY
COLUMBIA 210460000

Date Created: 2/22/1997

Building:

Tax ID: # 157988 Land Use: R

Subdivision:

Master Information Application Data Comments

Name on Account: RAYMOND MELCHER

Service Type: Wtr/Swr Cycle: 3

Pay Status: A Bill Status: B

Primary Billing Address

9516 WHITE SPRING WAY

COLUMBIA MD 210460000

Secondary Billing Address

Meter Information

Meter No: 9023957

ERT: 20507696

Date Instld: 4/5/1984

Manufact: BANGOR

Meter Size: N/A-REMO

Perm Code: I

Compound: 1

Meter Location: RADIO CENTER RIGHT

SEWER PVC

Surch Code:

Surch Area: 0

Surch Rate: 0

Meter / SubMeter Info

Master Mtr:

0

0

0

0

Records: 55834 of 72058 Unfiltered Search

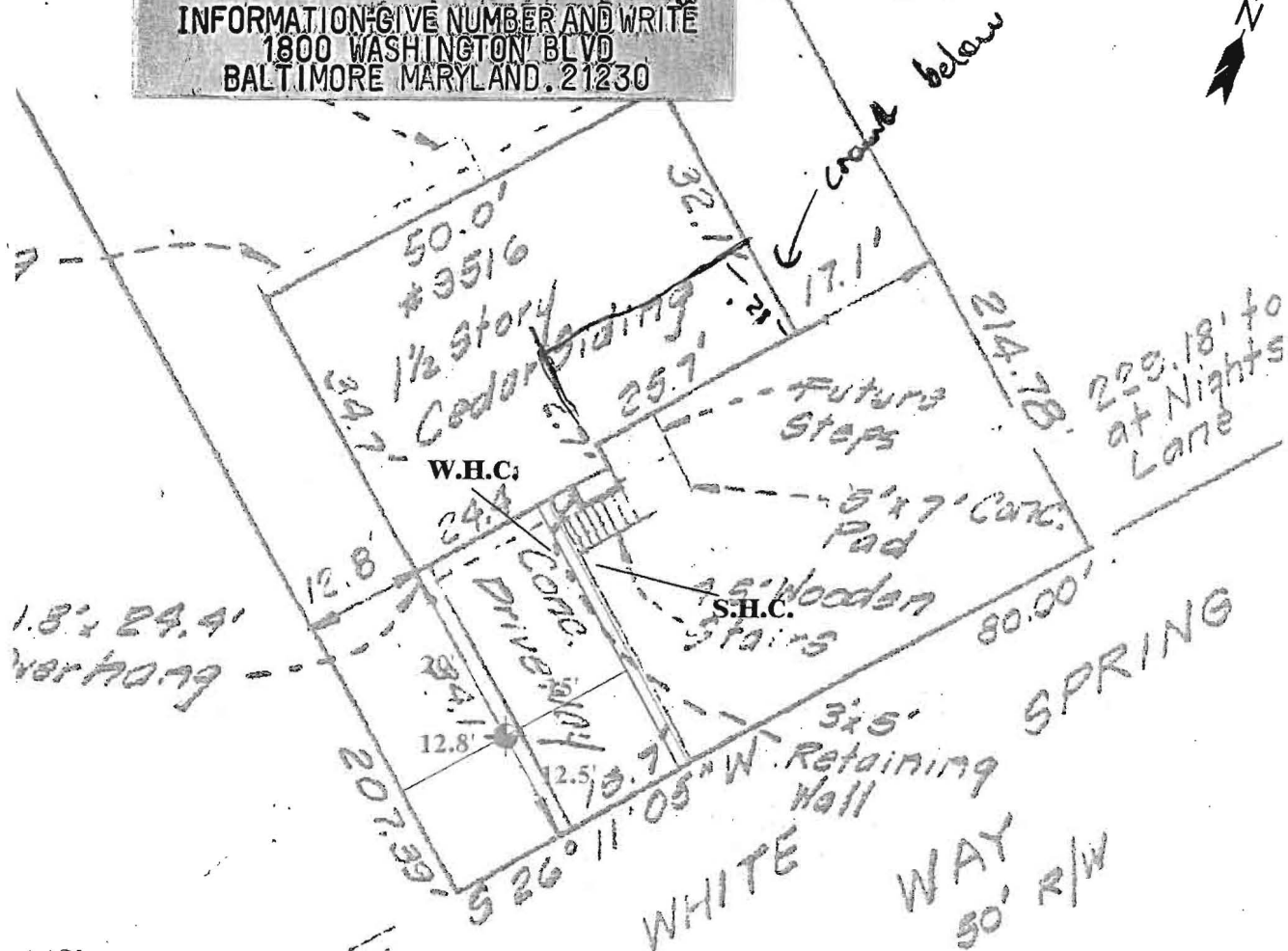
Form View

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER




H0-15-0331

INFORMATION-GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND. 21230

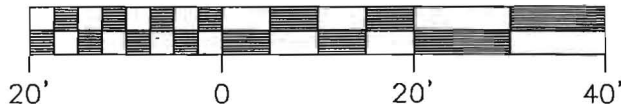
10/25/16
Bore log
sprung
-KMW



L E G E N D

-  PROPOSED GEOTHERMAL WELL LOCATION
-  APPROXIMATE WATER HOUSE CONNECTION
-  APPROXIMATE SANITARY HOUSE CONNECTION

GRAPHICAL SCALE



ConnellyGeothermal
Partnering with Mother Earth

260 Interstate Court (301) 696-8820
Frederick, Maryland 21704 (301) 696-0327 fax

SHOLTES RESIDENCE
9516 WHITE SPRING WAY, COLUMBIA, MARYLAND

PROPOSED GEOTHERMAL WELL
LOCATION PLAN

Scale:
AS SHOWN

Fig.

Date:
AUG 2016

Drawn By:
J.A.

Checked By:
E.S.

Project No.:
00000

1



HOWARD COUNTY HEALTH DEPARTMENT

59793

DATE 10/12/16

Received From

Connelly & Associates

PHONE #

65
301-305-0481

For

Well Permit / 9516 White
Spring Way

☐ CASH

☐ CHECK

NO.

CC

One hundred six ty

Dollars

\$

100.00

Received By

A King