

C1 08841

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)

COUNTY NUMBER

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER, WELL SITE ADDRESS, TOWN, SUBDIVISION, SECTION, LOT

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries: Silty Sand Tr. Mica. Hard, Weathered Rock, Rock gray. Hard, Installed 1.25" Closed Loop Geothermal.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CEMENT CM, BENTONITE CLAY BC), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD: casing types insert appropriate code below (ST STEEL, CO CONCRETE, PL PLASTIC, OT OTHER), MAIN CASING TYPE, Nominal diameter, Total depth.

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

SCREEN RECORD: screen type or open hole (ST STEEL, BR BRASS, HO OPEN HOLE, PL PLASTIC, OT OTHER), DEPTH (nearest ft.)

NUMBER OF UNSUCCESSFUL WELLS, 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...

DRILLERS LIC. NO. 1 MWD 572, DRILLERS SIGNATURE Samuel G. Connolly, LIC. NO. 1 JW D 391, DRILLERS SIGNATURE Wesley A. Wolf

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, N and rows for well depth and slot size.

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

PUMPING TEST: HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED (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, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT, LAND SURFACE

LATITUDE 39.180454, LONGITUDE 77.061940 (DEFAULT COORD. WGS 84)

NOTES:

C1 08849

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)

COUNTY NUMBER

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER, WELL SITE ADDRESS, SUBDIVISION, SECTION, LOT

WELL LOG table with columns for DESCRIPTION, FEET (FROM, TO), and check if water bearing. Includes entries for Silty Sand, Tr. Mica, Hard, Weathered Rock, Rock, Hard, Grey, and Installed 1.25" closed loop Geothermal.

GROUTING RECORD form including fields for WELL HAS BEEN GROUTED, TYPE OF GROUTING MATERIAL (CEMENT, BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, and DEPTH OF GROUT SEAL.

CASING RECORD form including fields for casing types (STEEL, CONCRETE, PLASTIC, OTHER), MAIN CASING TYPE, Nominal diameter, and Total depth.

OTHER CASING (if used) form with fields for diameter and depth.

SCREEN RECORD form including fields for screen type or open hole, and SLOT SIZE.

PUMPING TEST form including fields for HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, and TYPE OF PUMP USED.

PUMP INSTALLED form including fields for DRILLER INSTALLED PUMP, TYPE OF PUMP INSTALLED, PLACE, CAPACITY, PUMP HORSE POWER, and PUMP COLUMN LENGTH.

NUMBER OF UNSUCCESSFUL WELLS:

WELL HYDROFRACTURED

CIRCLE APPROPRIATE LETTER A, E, P

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS LIC. NO. 1 MWD 572, DRILLERS SIGNATURE

LIC. NO. 1 JWD 391, SITE SUPERVISOR

DEPTH (nearest ft.) table with columns for casing height and screen diameter.

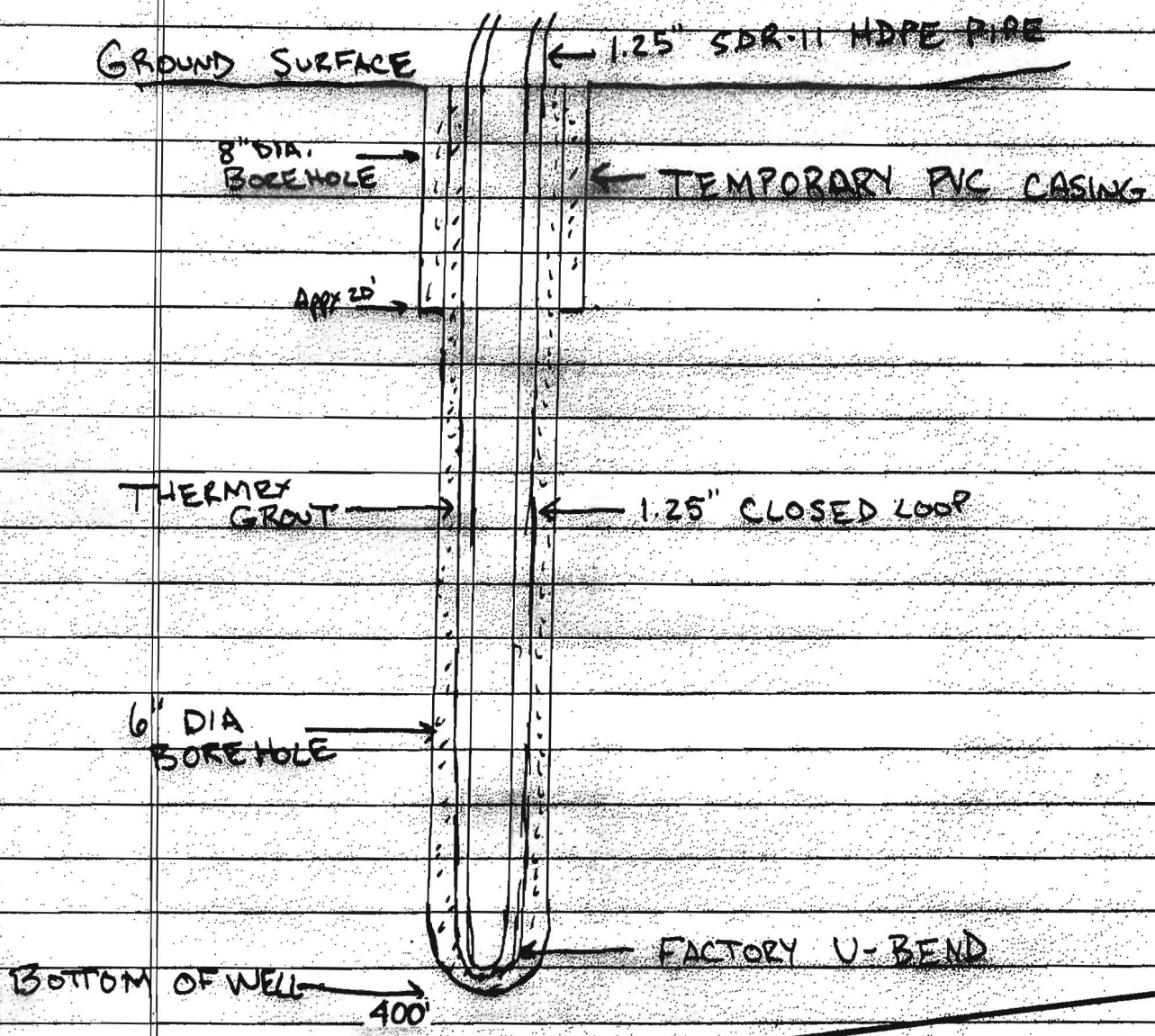
GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

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

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

LATITUDE 39.180447, LONGITUDE 77.061463 (DEFAULT COORD. WGS 84)

NOTES:



RECEIVED

JUN 26 2014

HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM

Rappaport, Ryan

From: Emily Sottile [emily@connellygeothermal.com]
Sent: Thursday, June 26, 2014 10:29 AM
To: Rappaport, Ryan
Subject: Newcomer Residence
Attachments: 4828_0001.pdf

Ryan,
Attached is our well diagram. We plan to use a Thermex grout mixture of 50 lb. grout to 17 gallons water. This will be placed in the well using the tremmie method, from bottom to top.
Thank you,

Emily Sottile | Business Operations Manager | Connelly Geothermal | direct: 301-305-0481
emily@connellygeothermal.com | connellygeothermal.com | office: 301-696-8820 Ext. 19



RECEIVED

JUN 26 2014

HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM