



HOWARD COUNTY HEALTH DEPARTMENT

65527

DATE 6/17/19

Received from

PHONE #

For



CASH



CHECK

NO.

Dollars

Received By

C 1 54885		SEQUENCE NO. (MDE USE ONLY)		STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE		THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED. ①	
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		DATE RECEIVED MM DD YY 08 13 19		DATE WELL COMPLETED MM DD YY 07 11 19		PERMIT NO. FROM "PERMIT TO DRILL WELL" 40 - 18 - 0098	
ST/CO USE ONLY		DATE RECEIVED		DEPTH OF WELL 340' (TO NEAREST FOOT)		COUNTY NUMBER	
OWNER Picco		Anita M		Anthony J		TOWN Sykesville	
WELL SITE ADDRESS 930 Santana Ln		SUBDIVISION 10.923A 930 Santana Ln		SECTION		LOT	
WELL LOG Not required for driven wells		GROUTING RECORD WELL HAS BEEN GROUTED (Circle appropriate box) yes Y no N		C 3		PUMPING TEST	
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC		HOURS PUMPED (nearest hour) N/A		PUMPING RATE (gal. per min.) N/A	
DESCRIPTION (Use additional sheets if needed)		NO. OF BAGS 16 NO. OF POUNDS 800		PUMPING RATE (gal. per min.) N/A		METHOD USED TO MEASURE PUMPING RATE	
GALLONS OF WATER 304		DEPTH OF GROUT SEAL (to nearest foot)		WATER LEVEL (distance from land surface)		BEFORE PUMPING N/A ft.	
FROM TO		from 48 TOP 52 ft. to 54 BOTTOM 58 ft.		WHEN PUMPING N/A ft.		TYPE OF PUMP USED (for test)	
check if water bearing		(enter 0 if from surface)		A air P piston T turbine		C centrifugal R rotary O other (describe below)	
Topsoil 0 2		Casing Record		J jet S submersible		PUMP INSTALLED	
Brn. Silt 2 18		casing types insert appropriate code below		DRILLER INSTALLED PUMP YES NO		IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.	
Grey Gneiss 18 90		ST STEEL CO CONCRETE		TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. N/A		CAPACITY: GALLONS PER MINUTE (to nearest gallon) N/A	
Brn. mica, gneiss 90 92		PL PLASTIC OT OTHER		PUMP HORSE POWER N/A		PUMP COLUMN LENGTH (nearest ft.) N/A	
Grey gneiss 92 340		MAIN CASING TYPE		Casing Height (circle appropriate box and enter casing height)		LAND SURFACE (nearest foot) 3	
Installed 1.25" x 340' closed loop hole U-bend		Nominal diameter top (main) casing (nearest inch) 6		+ above } - below }		LATITUDE 39.346975	
NUMBER OF UNSUCCESSFUL WELLS: 0		Total depth of main casing (nearest foot) 21		PUMPING TEST		LONGITUDE 76.956990	
WELL HYDROFRACTURED yes Y no N		OTHER CASING (if used) diameter inch depth (feet) from to		PUMPING TEST		(DEFAULT COORD. WGS 84)	
CIRCLE APPROPRIATE LETTER		SCREEN RECORD		PUMPING TEST		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.	
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED		ST STEEL BR BRASS HO OPEN HOLE		PUMPING TEST			
E ELECTRIC LOG OBTAINED		PL PLASTIC OT OTHER		PUMPING TEST			
P TEST WELL CONVERTED TO PRODUCTION WELL		insert appropriate code below		PUMPING TEST			
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.		DEPTH (nearest ft.)		PUMPING TEST			
DRILLERS LIC. NO. MWD 587		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		PUMPING TEST			
DRILLERS SIGNATURE Stephen A. D. Losh		SLOT SIZE 1 2 3		PUMPING TEST			
LIC. NO. IWD 411		DIAMETER OF SCREEN (NEAREST INCH)		PUMPING TEST			
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)		from to		PUMPING TEST			
		GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68		PUMPING TEST			
		MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)		PUMPING TEST			
		T (E.R.O.S.) W Q		PUMPING TEST			
		70 72 74 75 76		PUMPING TEST			
		TELESCOPE CASING LOG INDICATOR OTHER DATA		PUMPING TEST			

C1 54886

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORTFILL IN THIS FORM COMPLETELY
PLEASE TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED. (2)COUNTY
NUMBER

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"DATE RECEIVED
MM DD YY
08 15 19MM DD YY
07 11 1922 340 26
(TO NEAREST FOOT)

40 - 18 - 0098

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

check
if water
bearing

Topsoil 0 2
Brown silt 2 18
Grey gneiss 18 90
Brown mica, gneiss 90 94
Grey gneiss 94 340

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM

BENTONITE CLAY BC

NO. OF BAGS 14

NO. OF POUNDS 980

GALLONS OF WATER 266

DEPTH OF GROUT SEAL (to nearest foot)

from 0 ft. to 340 ft.
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

ST

STEEL

CO

CONCRETE

PL

PLASTIC

OT

OTHER

MAIN
CASING
TYPENominal diameter
top (main) casing
(nearest inch)Total depth
of main casing
(nearest foot)

PL

6

21

OTHER CASING (if used)

diameter depth (feet)
inch from toscreen type
or open hole

SCREEN RECORD

insert
appropriate
code
below

ST

STEEL

BR

BRASS

HO

OPEN

PL

PLASTIC

OT

OTHER

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
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

MWD 587

DRILLERS SIGNATURE

(MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1

JWD 411

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.

TELESCOPE
CASINGLOG
INDICATOR

OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) N/A

PUMPING RATE (gal. per min.) N/A

METHOD USED TO
MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test)

A air

C centrifugal

J jet

P piston

R rotary

S submersible

T turbine

O (describe below)

PUMP INSTALLED

DRILLER INSTALLED PUMP
(CIRCLE) (YES or 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)

PUMP HORSE POWER

PUMP COLUMN LENGTH
(nearest ft.)CASING HEIGHT (circle appropriate box
and enter casing height)

+ above

- below

LAND SURFACE

3 (nearest
foot)LATITUDE 39.846912
LONGITUDE 76.956865
(DEFAULT COORD. WGS 84)Pursuant to §10-624 of the State Govt. Article of
the Maryland Code personal info. requested on
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C1 54883 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPE

THIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED. (3)
COUNTY
NUMBER

ST/CO USE ONLY DATE RECEIVED 08/13/19 DATE WELL COMPLETED 07/11/19 APPROVED 9/25/20 Depth of Well 340' (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-18-0098

OWNER Picco Anita M first name Anthony J TOWN Sykesville
WELL SITE ADDRESS 730 Santana Ln.
SUBDIVISION 10.923A 930 Santana Ln. SECTION LOT

WELL LOG		
Not required for driven wells		
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		
DESCRIPTION (Use additional sheets if needed)	FEET FROM TO	check if water bearing
Topsoil	0 2	
Grey gneiss	2 20	
Brown mica, gneiss	20 25	
Grey gneiss	25 30	
VOID-opening	30 32	
Grey gneiss	32 340	

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 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 MWD 587
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. 1 IND 411

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

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO Y N
TYPE OF GROUTING MATERIAL (Circle one) CEMENT BENTONITE CLAY
NO. OF BAGS 20 NO. OF POUNDS 1,000
GALLONS OF WATER 380
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 340 ft. (enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below
MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 10'

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

SCREEN RECORD
screen type or open hole: insert appropriate code below
ST STEEL BR BRASS HO OPEN HOLE
PL PLASTIC OT OTHER

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
DIAMETER OF SCREEN (NEAREST INCH) 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

PUMPING TEST
HOURS PUMPED (nearest hour) N/A
PUMPING RATE (gal. per min.) N/A
METHOD USED TO MEASURE PUMPING RATE
WATER LEVEL (distance from land surface)
BEFORE PUMPING N/A ft.
WHEN PUMPING N/A 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 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) N/A
PUMP HORSE POWER N/A
PUMP COLUMN LENGTH (nearest ft.) N/A
CASING HEIGHT (circle appropriate box and enter casing height)
+ above LAND SURFACE
- below 3 (nearest foot)

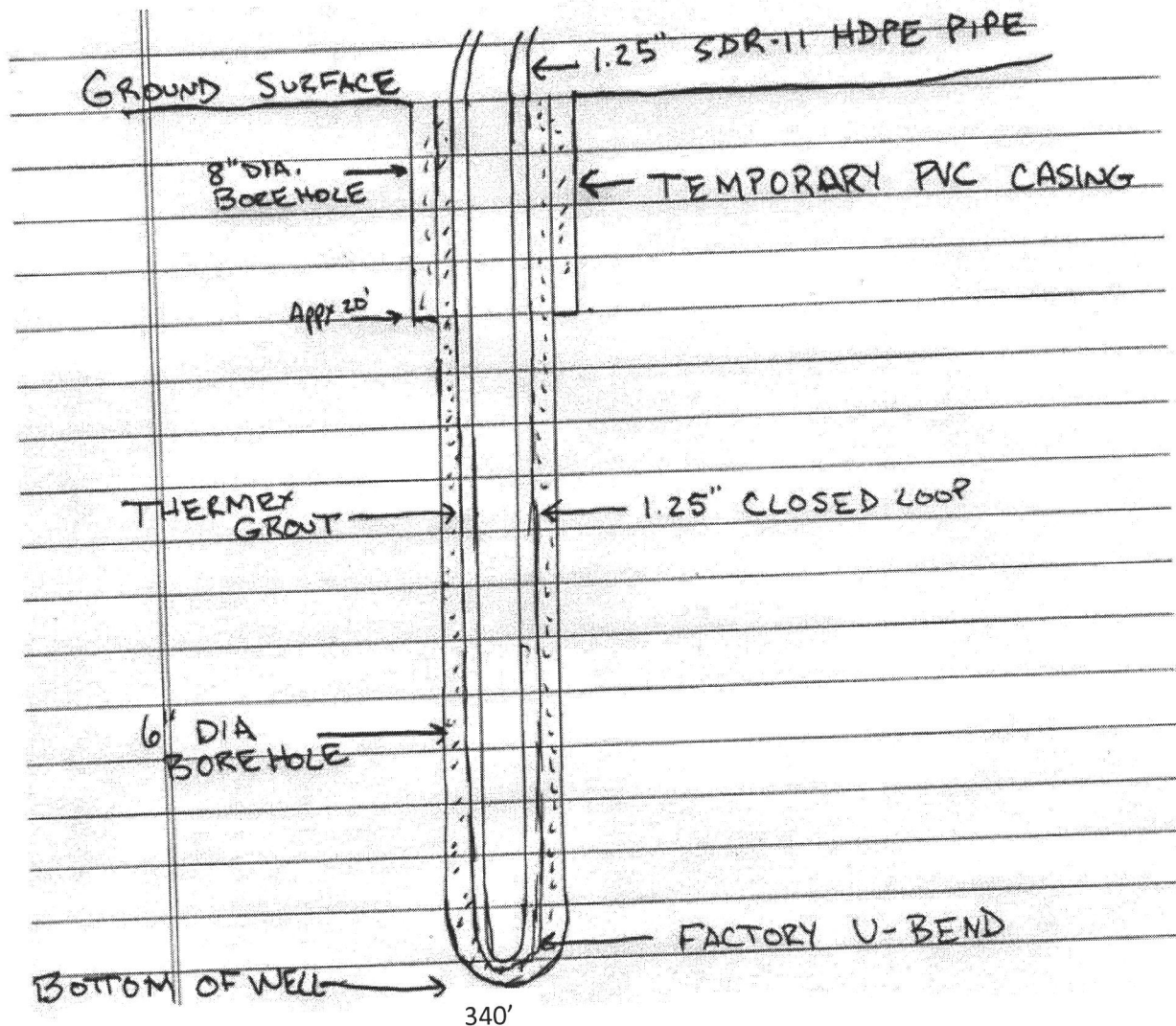
LATITUDE 39.346895
LONGITUDE 76.956720
(DEFAULT COORD. WGS 84)

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 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.

B 1	65101	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 565527 please type	H0-18-0098 fill in this form completely 79
Date Received (APA) 06/10/19		OWNER INFORMATION		
8 MM DD YY 13		15 Last Name Owner First Name 34		
36 Street or RFD 55		23 SUBDIVISION 42		
57 Town 70 State 72 Zip 76		52 NEAREST TOWN 71		
DRILLER INFORMATION		LOCATION OF WELL		
Driller's Name 76 License No. 81		8 COUNTY 21		
Firm Name		10.923A 930 Santana Ln.		
Address		23 SUBDIVISION 42		
Signature Date		SECTION 44 46 LOT 48 50		
WELL INFORMATION		52 NEAREST TOWN 71		
APPROX. PUMPING RATE (GAL. PER MIN.)		930 Sykesville Rd.		
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)		930 Santana Lane		
USE FOR WATER (CIRCLE APPROPRIATE BOX)		11 STREET ADDRESS 30		
22 <input type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)		
<input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)		NORTH		
<input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING		WEST		
<input type="checkbox"/> PUBLIC WATER SUPPLY WELL		EAST		
<input type="checkbox"/> TEST, OBSERVATION, MONITORING		SOUTH		
<input type="checkbox"/> OPEN LOOP GEOTHERMAL		DISTANCE FROM ROAD 34 50 37 FT		
<input checked="" type="checkbox"/> CLOSED LOOP GEOTHERMAL		ENTER FT OR MI 38 39		
APPROXIMATE DEPTH OF WELL 24 340 28 FEET		TAX MAP: 0009 BLK: PARCEL 0244		
APPROXIMATE DIAMETER OF WELL 6 INCH		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL		
METHOD OF DRILLING (circle one)		COUNTY NAME COUNTY NO.		
BORED (or Augered) JETTED Jetted & DRIVEN		STATE SIGNATURE INSERT S 41		
30 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)		DATE ISSUED 07/01/2019		
37 CABLE REVERSE-ROTary Drive-POINT		43 MM DD YY 48 CO SIGNATURE EXP. DATE		
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)		PROPOSED LOCATION OF WELL ON LOT		
39 <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL		SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL		
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED				
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS		<p>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.</p>		
<input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL		<p>7/10/2019</p> <p>STARTING ON 1ST BORE</p> <p>BLK 18</p> <p>2nd bore 320'</p>		
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52		<p>Not to be filled in by driller (MDE OR COUNTY USE ONLY)</p> <p>APPROX. PERMIT NUMBER G</p> <p>PERMIT No. H0-18-0098</p>		
SPECIAL CONDITIONS				
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED				

Geothermal Closed Loop

930 Santana Lane Sykesville, 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.

APPROVED 6/23/2019
STAKED BY DRIVER
140-18-0098

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

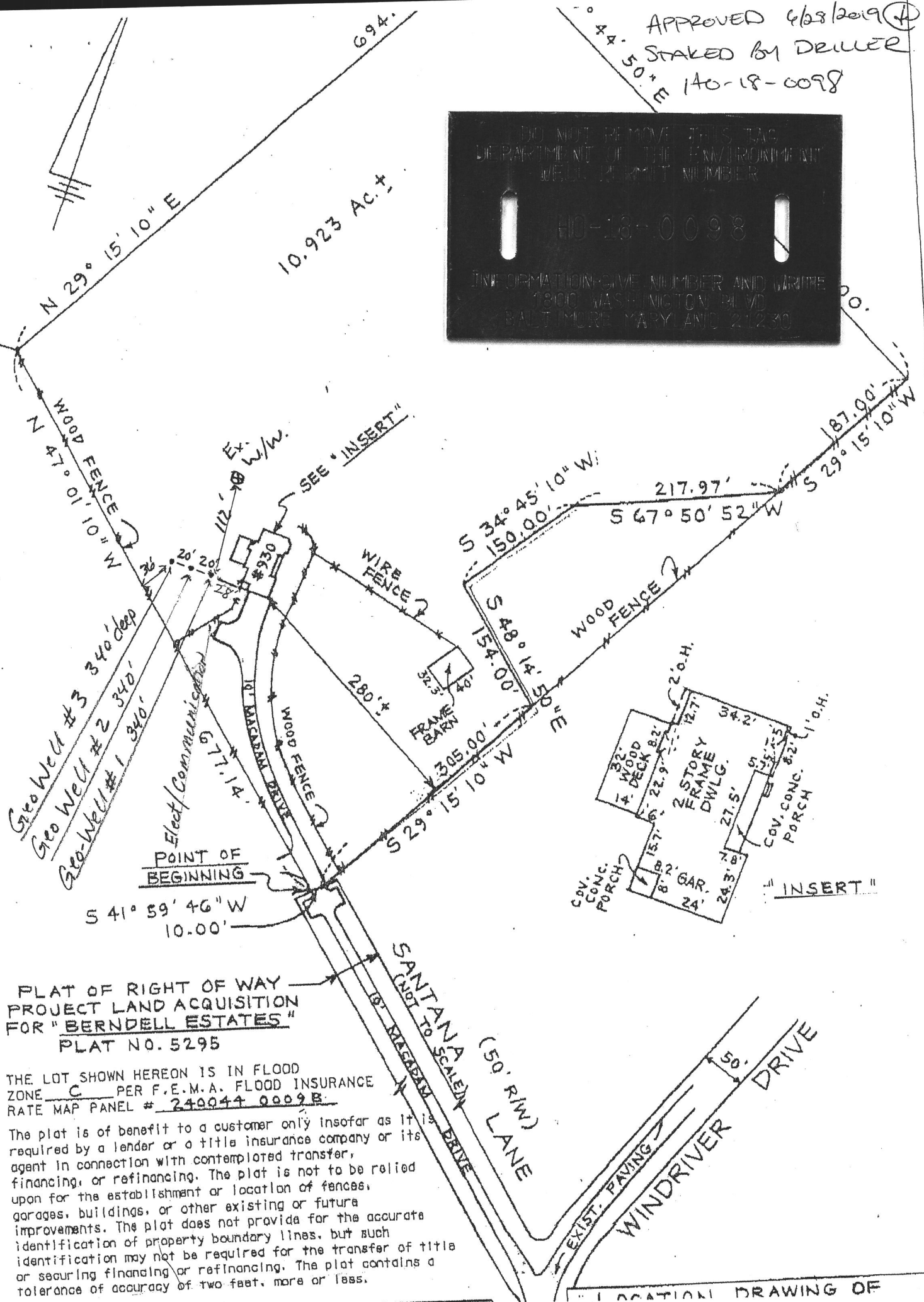
140-18-0098

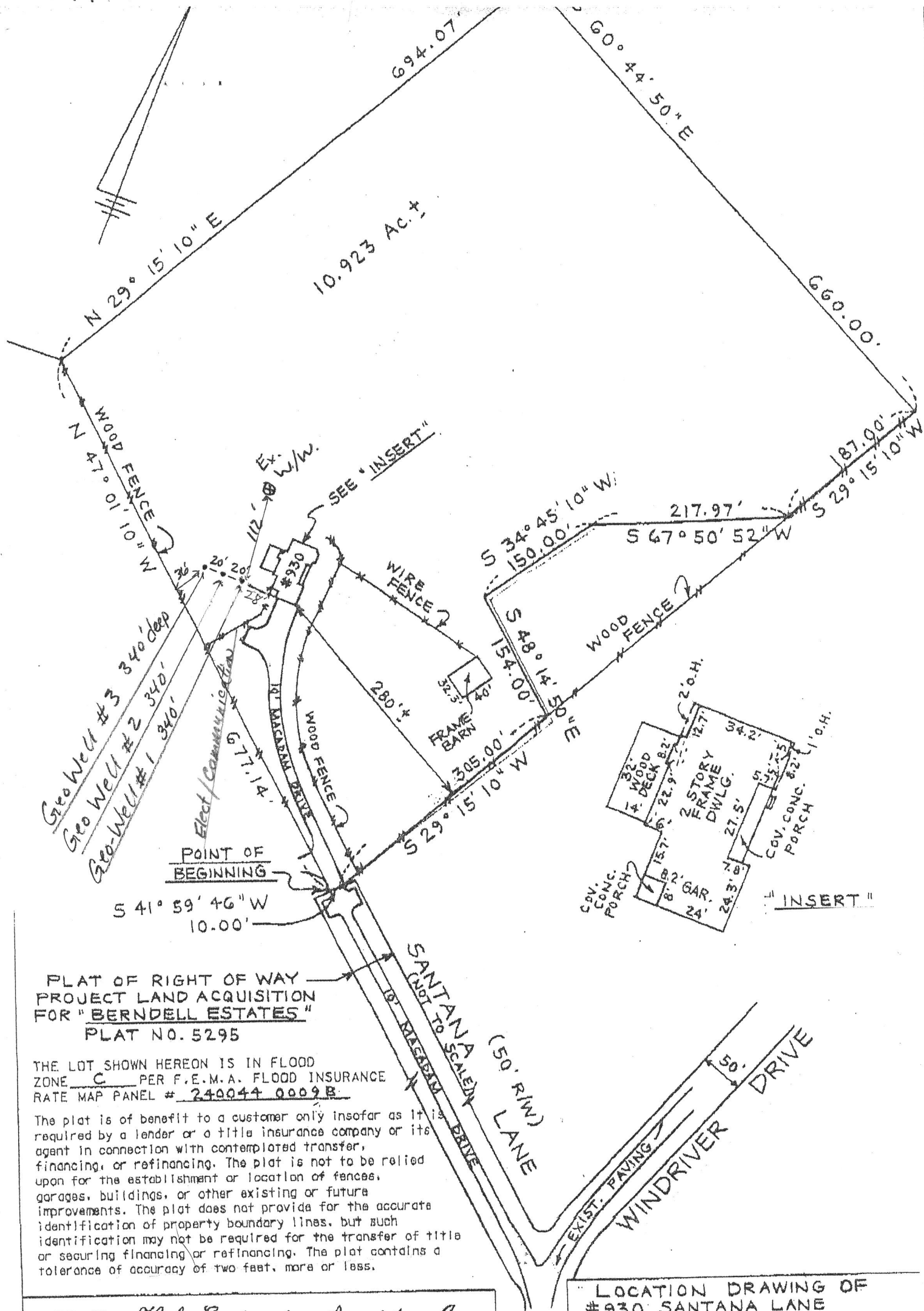
INFORMATION GIVE NUMBER AND WRITE
13000 WASHINGTON BLVD
BALTIMORE, MARYLAND 21230

PLAT OF RIGHT OF WAY
PROJECT LAND ACQUISITION
FOR "BERNDELL ESTATES"
PLAT NO. 5295

THE LOT SHOWN HEREON IS IN FLOOD
ZONE C PER F.E.M.A. FLOOD INSURANCE
RATE MAP PANEL # 240044 0009B

The plat is of benefit to a customer only insofar as it is required by a lender or a title insurance company or its agent in connection with contemplated transfer, financing, or refinancing. The plat is not to be relied upon for the establishment or location of fences, garages, buildings, or other existing or future improvements. The plat does not provide for the accurate identification of property boundary lines, but such identification may not be required for the transfer of title or securing financing or refinancing. The plat contains a tolerance of accuracy of two feet, more or less.





PLAT OF RIGHT OF WAY
PROJECT LAND ACQUISITION
FOR "BERNDELL ESTATES"
PLAT NO. 5295

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ZONE C PER F.E.M.A. FLOOD INSURANCE
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H

Flicks Engineering Associates, Inc.

ENGINEERS, SURVEYORS & PLANNERS
200 EAST JOPPA ROAD - SUITE 402
TOWSON, MARYLAND 21286-3160
(410) 494-0001 FAX: (410) 821-8890

LOCATION DRAWING OF
#930 SANTANA LANE
HOWARD COUNTY, MD.
DEED: 1427 - 434

DATE: 11/15/05 SCALE: 1"=133' FILE: