

B 1 6898

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HD-95-0356

fill in this form completely

W5 24367 please type

Date Received (APA)

OWNER INFORMATION

B MM DD YY 13

Renes ERIK
3270 Sharp Rd.
Glenwood md 21738

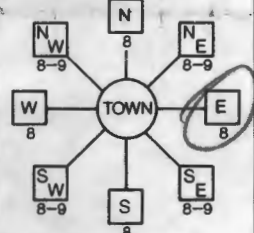
LOCATION OF WELL

Howard
Glenwood Estates
SECTION 44 46 LOT 48 50
Glenwood
MILES FROM TOWN 3

DRILLER INFORMATION

DAVID KELLY MW D 304
Jones Well Drilling Inc
3700 Rush Rd Jarrettsville, MD
David Kelly 3-14-06

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



3270 Sharp Rd.
NEAR WHAT ROAD
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
240
DISTANCE FROM ROAD
ENTER FT OR MI
TAX MAP: 14 GRD 27 PARCEL 209

WELL INFORMATION
APPROX. PUMPING RATE 0
AVERAGE DAILY QUANTITY NEEDED 0

- 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 2 holes close loop

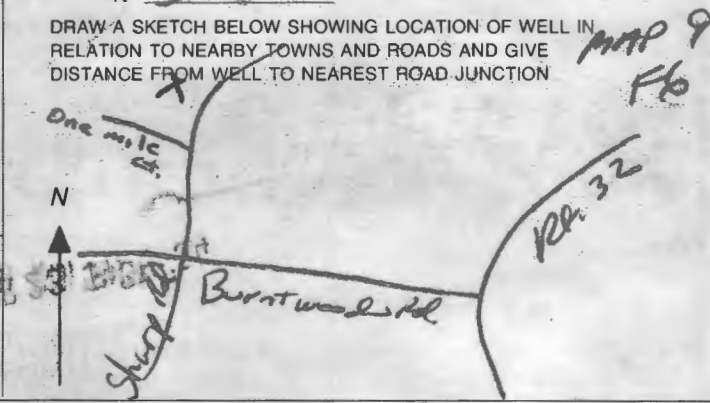
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard A19140
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 4/50/07
CO SIGNATURE EXP. DATE
NORTH GRID 528 000 EAST GRID 799 000

APPROXIMATE DEPTH OF WELL 400 FEET
APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
WRITE THE BOX NUMBER FROM THE MAP HERE
E 7909
N 528

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 DEEPEAN 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)
APPROP. PERMIT NUMBER
PERMIT No. HD-95-0356

SPECIAL CONDITIONS 0356

C1 3005

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 A19140

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Renee Erik STREET OR RFD 3270 Shiga Rd. TOWN Glenwood SUBDIVISION Gwanka Estates SECTION 14 LOT 13

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: dirt, soft brown mic, hard gray rock, installed 1 1/4" double loop.

GROUTING RECORD form: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (Cement, Bentonite Clay), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL.

CASING RECORD form: casing types insert appropriate code below, MAIN CASING TYPE, Nominal diameter top (main) casing, Total depth of main casing.

OTHER CASING (if used) form: diameter, depth (feet).

SCREEN RECORD form: screen type or open hole, insert appropriate code below, DEPTH (nearest ft.).

NUMBER OF UNSUCCESSFUL WELLS: 0, WELL HYDROFRACTURED (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...

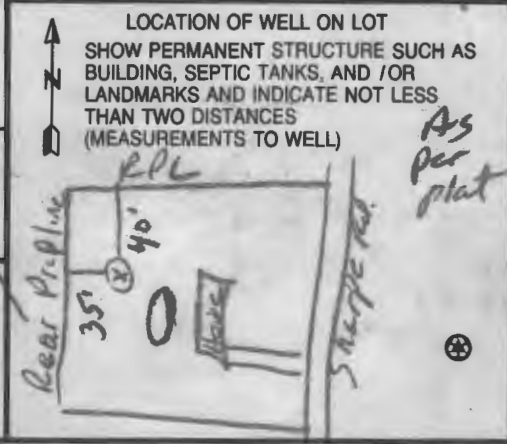
DRILLERS LIC. NO.: MWD 304, DRILLER'S SIGNATURE, LIC. NO.: MWD 798, SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee).

Table with columns: E, A, C, H, S, C, R, E, N and rows for well depth intervals (1-11, 11-15, 15-17, 17-21, 21-23, 23-24, 24-26, 26-30, 30-32, 32-36, 36-38, 38-39, 39-41, 41-45, 45-47, 47-51) and slot size, diameter of screen.

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) form: TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST form: HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED.

PUMP INSTALLED form: DRILLER INSTALLED PUMP, IF DRILLER INSTALLS PUMP, TYPE OF PUMP INSTALLED, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT, LAND SURFACE.



C1 0309

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

COUNTY NUMBER A19140

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 5 19 00

Depth of Well 400 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 12-99-0356

OWNER: Rens, last name; 3270 Sharp A Trk, first name; STREET OR RFD; SUBDIVISION: Greater Estates; SECTION: 14/24/209; LOT: 13; TOWN: Glenwood

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes handwritten entries: Dirt, soft brown mica, hard gray rock, install 1 1/4" double loop.

GROUTING RECORD: YES/NO (Y/N), TYPE OF GROUTING MATERIAL (CEMENT CM, BENTONITE CLAY BC), NO. OF BAGS 30, NO. OF POUNDS 1500, GALLONS OF WATER 150, DEPTH OF GROUT SEAL 400.

CASING RECORD: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE, Nominal diameter top of main casing, Total depth of main casing.

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from.

SCREEN RECORD: screen type or open hole insert appropriate code below (ST, BR, HO, PL, OT), DEPTH (nearest ft.)

NUMBER OF UNSUCCESSFUL WELLS: 0; WELL HYDROFRACTURED: YES (Y), NO (N)

- CIRCLE APPROPRIATE LETTER: A (Well abandoned), E (Electric log), 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.: MW D 304; DRILLERS SIGNATURE: David Kelly; LIC. NO.: AWD 790

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

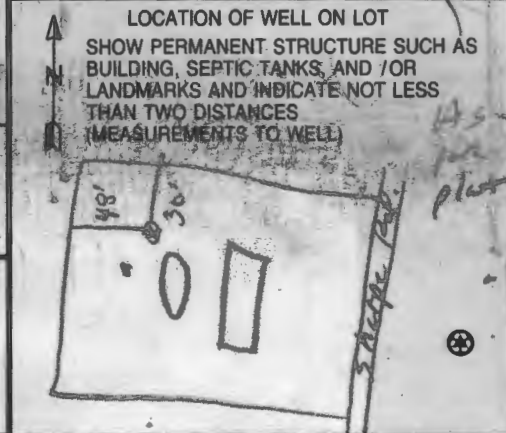
Table with columns: E, A, C, H, S, R, E, E, N and rows for well depth measurements (e.g., 9-11, 15-17, 23-24, 26-30, 32-36, 38-39, 41-45, 47-51).

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, TYPE OF PUMP USED (A, C, J, P, R, S, T, O)

PUMP INSTALLED: DRILLER INSTALLED PUMP, TYPE OF PUMP INSTALLED PLACE, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT



C 1 7328
SEQUENCE NO. (WRA USE ONLY)
1 2 3 (SEQ. NO.) 4 5
(THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-5 ON ALL CARDS)

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401
WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION
FILL IN THIS FORM COMPLETELY
COUNTY NUMBER

DATE RECEIVED (WRA USE ONLY) Nov 9 1976
DATE WELL COMPLETED 11 20 1976
DEPTH OF WELL 120
22' (TO NEAREST FOOT) 20
PERMIT NO. FROM "PERMIT TO DRILL WELL" H10-73-1644
28 29 30 31 32 33 34 35 36 37
DRILLERS IDENTIFICATION NO. 42

OWNER: *Castle & A. Sullivan*
STREET OR RFD: *172 Ave 207* POST OFFICE: *10000*

WELL LOG

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

| DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY) | FEET | | CHECK IF WATER BEARING |
|--|------|-----|------------------------|
| | FROM | TO | |
| <i>2' soil</i> | 0 | 2 | |
| <i>4" of</i> | 2 | 75 | |
| <i>10' of</i> | 45 | 75 | |
| <i>10' of</i> | 10 | 120 | |

WELL DESCRIPTION

GROUTING RECORD YES NO
WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) (Y) (N)
TYPE OF GROUTING MATERIAL (CIRCLE BOX)
CEMENT (C) (M) BENTONITE CLAY (B) (C)
NO. OF BAGS 10 NO. OF POUNDS 1000
GALLONS OF WATER 50
DEPTH OF GROUT SEAL (TO NEAREST FOOT)
FROM 0 FT. TO 43 FT.
CASING RECORD
INSERT APPROPRIATE CODE BELOW
STEEL (S) (T) CONCRETE (C) (O)
PLASTIC (P) (L) OTHER (O) (T)
MAIN CASING TYPE (S) (T) NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 55

OTHER CASING (IF USED)
DIAMETER (INCH) DEPTH (FEET) FROM TO

SCREEN RECORD
INSERT APPROPRIATE CODE BELOW
STEEL (S) (T) BRASS OR BRONZE (B) (R) OPEN HOLE (H) (O)
PLASTIC (P) (L) OTHER (O) (T)
C 2
DEPTH (NEAREST WHOLE FOOT)
FROM 0 TO 120
SLOT SIZE 1, 2, 3

PUMPING TEST
HOURS PUMPED (TO NEAREST HOUR) 2
PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 10
METHOD USED TO MEASURE PUMPING RATE
WATER LEVEL (DISTANCE FROM LAND SURFACE)
BEFORE PUMPING 40 (NEAREST FOOT)
WHEN PUMPING 120 (NEAREST FOOT)
TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)
AIR (A) PISTON (P) TURBINE (T)
CENTRIFUGAL (C) ROTARY (R) OTHER (DESCRIBE BELOW) (O)
JET (J) SUBMERSIBLE (S)
PUMP INSTALLED
TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)
DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES (Y) NO (N)
CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON) 31 38
PUMP HORSE POWER 37 41
PUMP COLUMN LENGTH (NEAREST FOOT) 43 47
CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)
ABOVE (+) LAND SURFACE (NEAREST FOOT) 49 51
BELOW (-)

LOCATION OF WELL ON LOT
SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL).

CIRCLE APPROPRIATE BOXES

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 I HAVE COMPLIED WITH ALL CONDITIONS STATED IN THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS NAME
P. A. ...

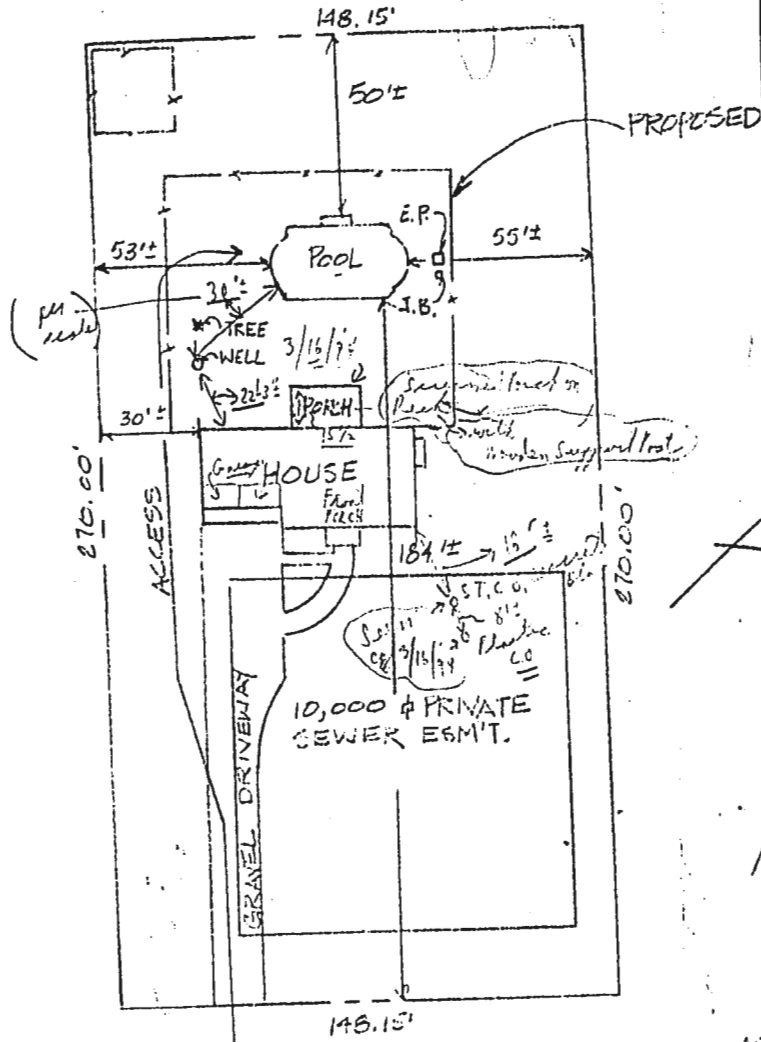
DIAMETER OF SCREEN 55 60 (NEAREST INCH) FROM TO

GRAVEL PACK

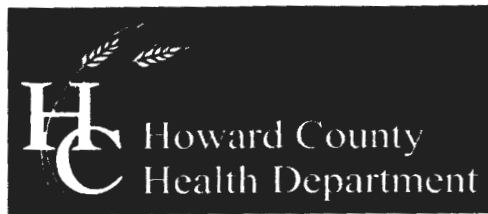
IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX (F)

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)
(E, R, O, S, I) W O
70 72 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA AVAILABLE

NOTE: PLEASE DRIVE AROUND WELL AND TREE IN BACK YARD.



3270
 SHARP ROAD
 60' R/W
 SCALE: 1" = 40'



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

December 16, 2008

Les and Julia Montgomery
3270 Sharp Rd
Glenwood, Maryland 21738

Dear Mr. and Mrs. Montgomery,

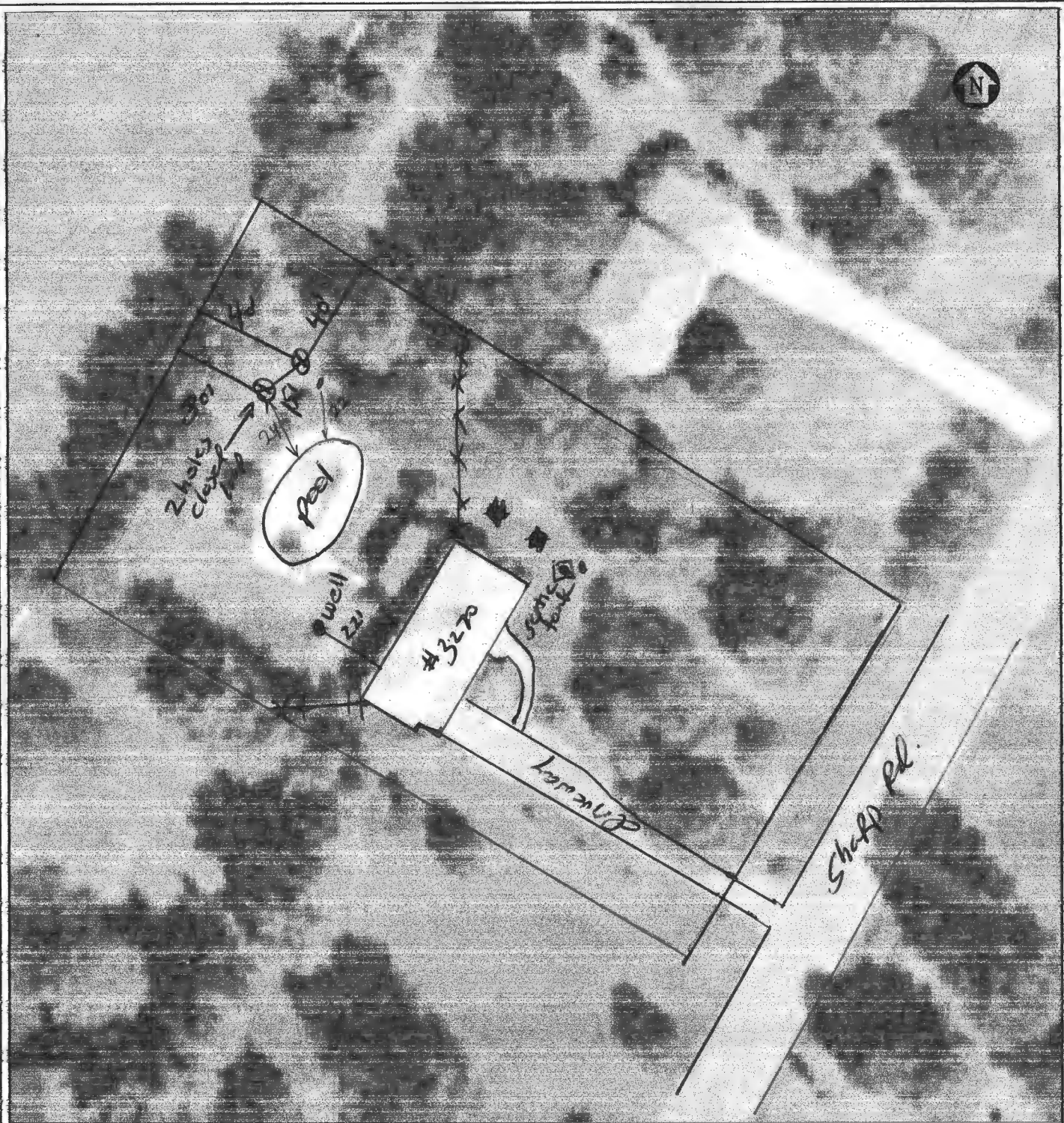
The existing well on your property was recently upgraded to meet current State code requirements. Due to the work performed on the well, we recommend having your well chlorinated and well water sampled to ensure bacteria and nitrate levels meet current water quality standards.

If you have further questions related to well chlorination and sampling or are interested in having the Health Department sample your water, please contact the Community Hygiene Program at (410) 313-1773. A Maryland certified private water quality laboratory can also be used for sampling.

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,

Sara Sappington, R.S.
Well and Septic Program



SCALE: 1" = 50' DATE: 2/22/06

Bowman

ENVIRONMENTAL

Erik Rencs Site Map & Geothermal Well Locations

Bowman Environmental, LLC
 14020 Thunderbolt Place, Suite 300
 Chantilly, Virginia 20151

Phone: (703) 464-0852
 Fax: (703) 464-0853
www.bowmanconsulting.com

3270 Sharp Rd
 Glenwood, MD

Map 14 Grid 24 Parcel 209 Lot 13

