

C1 3415

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 Hunter STREET OR RFD 5211 New Prospect Court TOWN Ellicott City

WELL LOG table with columns for DESCRIPTION, FEET (FROM, TO), and check if water bearing. Includes handwritten entries: Soft Tan Sand, Gravel/clay, Hard gray.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (24), NO. OF POUNDS (1200), DEPTH OF GROUT SEAL (0 to 400 ft).

CASING RECORD: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter (6 inch), Total depth (63 feet).

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 (8.9), PUMPING RATE (11-15 gal. per min.), 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, P, T, C, R, O, J, S).

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 (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (circle appropriate box and enter casing height) above/below LAND SURFACE (nearest foot).

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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

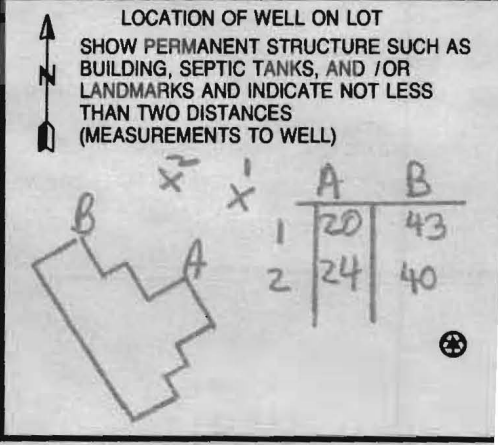
DRILLERS LIC. NO.: MW D304, David Kelly, DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION), LIC. NO.: MW D564, Mark Moffitt

DEPTH (nearest ft.) table with columns E, A, C, H, S, R, E, N and rows 1-3. Includes SLOT SIZE 1, 2, 3 and DIAMETER OF SCREEN (NEAREST INCH) from 56 to 80.

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



C1 3416

SEQUENCE NO. (MDE USE ONLY)

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COUNTY NUMBER

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Hunter STREET OR RFD 211 New Prospect Court TOWN Elkton City

WELL LOG table with columns for DESCRIPTION, FEET (FROM, TO), and check if water bearing. Includes handwritten entry: Hard Gray 0 400

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (24), NO. OF POUNDS (1200), GALLONS OF WATER (504), DEPTH OF GROUT SEAL (0 to 400)

CASING RECORD: MAIN CASING TYPE (C), Nominal diameter (60), Total depth (66)

OTHER CASING (if used) table with columns for diameter and depth

SCREEN RECORD: screen type or open hole (H), diameter of screen (60), slot size (1)

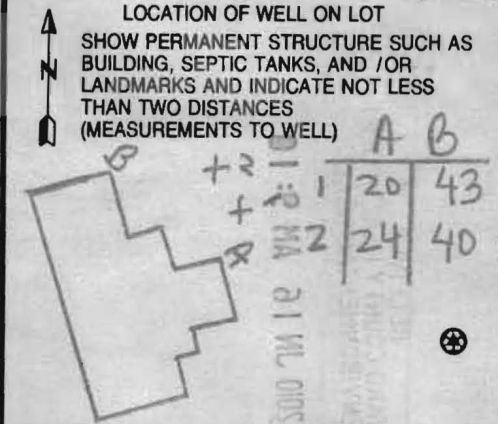
DEPTH (nearest ft.) table with columns for depth intervals (1-21, 23-36, 38-51)

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

PUMPING TEST: HOURS PUMPED (8.9), PUMPING RATE (11-15), METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL (17-20), TYPE OF PUMP USED (A, P, T, C, R, O, J, S)

PUMP INSTALLED: DRILLER INSTALLED PUMP (YES), TYPE OF PUMP INSTALLED PLACE (29), CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (49)



NUMBER OF UNSUCCESSFUL WELLS: 0, WELL HYDROFRACTURED (Y), CIRCLE APPROPRIATE LETTER (A, E, P), DRILLERS LIC. NO. 1 MW D 304, DRILLERS SIGNATURE David Kelly, LIC. NO. 1 MW D 564, SITE SUPERVISOR

B 1 7125

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 532592 please type

STATE PERMIT NUMBER

40-95-1895 fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13 Hope Barbara Owner First Name 34 15 Last Name 5211 New Prospect Ct. Street of RFD 55 36 57 Town 70 State 72 Zip 76 21043

B 3 LOCATION OF WELL

8 COUNTY 21 Howard 23 SUBDIVISION 42 Montgomery Meadows SECTION 44 46 LOT 48 50 127 52 NEAREST TOWN 71 Columbia

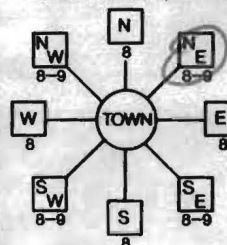
MILES FROM TOWN (enter 0 if in town) 82 M I 73 76 77 78

DRILLER INFORMATION

DAVID KELLY MW D 304 Driller's Name 76 License No. 81 JONES WELL DRILLING INC Firm Name 21084 3700 RUSH RD JARRETTSVILLE, MD Address 4-7-10 Signature Date

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



5211 New Prospect Ct. 11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 150 37 DISTANCE FROM ROAD 38 39 FT

TAX MAP: 31 BLK: 20 PARCEL 801

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 8 0 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 0 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 2 holes closed loop

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 Public COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S DATE ISSUED 5/3/2010 Brian Baker 5/3/2011

43 MM DD YY 48 CO SIGNATURE EXP. DATE NORTH GRID 508 000 EAST GRID 859 000 50 55 57 63

APPROXIMATE DEPTH OF WELL 400 FEET 24 28

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) 30 37 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 DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROX. PERMIT NUMBER G

PERMIT No. 40-95-1895 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Invert Well from Bottom Upwards with Bentonite

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1.
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 859 000 000 N 508

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



NOTATION FOR WIRE PURPOSES ONLY - NOT TO BE USED FOR DETERMINING PROPERTY LINES

LOCATION OF HOUSE
MONTGOMERY MEADOWS
SEC. 1 AREA 2, LOT 127
5211 NEW PROSPECT COURT
HOWARD COUNTY,
MARYLAND

410-750-8518
* My Notes on
this Plat

Barbara
Hunter
NEW
PROSPECT
COURT
50' R/W

PRIVATE 40'
USE BY COMMON
ACCESS & EGRESS
LOTS 127 & 128

* See
Blank Plat

FLOOD PLAIN CERTIFICATION
I hereby certify that, to the best of my knowledge,
information and belief, the property shown herein lies
within Zone C (area of minimal flooding) as shown on
the FEMA Flood Insurance Rate Map, Community
Panel No. 240044 0029 B, revised December 4, 1986.

2 flags
on site:

(Apex, Calc
Locations)

Common Driveway w. Neighbor
N 82°57'15" E

R = 50.00'
L = 23.10'

Move Bars
this Direction
if Necessary

5/3/2010

Revised Berhole

Location O.K. Revised

BB

Locations
moved due to
Utilities - new
water line
etc.

A	20	24
B	43	40



ENGINEER'S CERTIFICATE

I hereby certify that the position of all
visible existing improvements on the above
described property have been carefully established
by accepted field practices and that unless
otherwise shown, there are no encroachments.

Thomas C. O'Connor, Jr., Professional Engineer, No. 15239
6/1/92

GLW GUTSCHICK, LITTLE & WEBER, P.A.

CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS
3408 NATIONAL DRIVE - SUITE 220 - BURTONTOWNE OFFICE PARK
BURTONTOWNE, MARYLAND 20894
TEL: (301) 481-4804 MO. TEL: (301) 988-2244 BALT. (301) 988-1828 FAX: (301) 421-4188

REFERENCE:	PLAT No. 9068
SURVEY DATES:	WRL OF 3-10-92 FINAL 5-26-92 REPERT
W/L YARDS:	FRONT 40' SIDE 10' REAR 30'
DRAWN BY:	DES/CAD DATE 3-25-92
CHECKED BY:	SCALE 1"=40'
GLW FILE No.	90088

NOTE: THIS LOCATION FOR TITLE PURPOSES ONLY - NOT TO BE USED FOR DETERMINING PROPERTY LINES.

LOCATION OF HOUSE

"MONTGOMERY MEADOWS"

SEC. 1 AREA 2, LOT 127

5211 NEW PROSPECT COURT

HOWARD COUNTY,
MARYLAND

* My Notes on
this Plat

PRIVATE 40'
USE BY COMMON
INGRESS & EGRESS
LOTS 127 & 128

NEW
PROSPECT
COURT
50' R/W

* See
Blank Plat

FLOOD PLAIN CERTIFICATION

I Herby Certify that, to the best of my knowledge,
information and belief, the property shown herein lies
within Zone C (area of minimal flooding) as shown on
the F.E.M.A. Flood Insurance Rate Map, Community
Panel No. 240044 0029 B, revised December 4, 1986.

2 flags
on site

(Approx. Bore
Locations)

Common Driveway w. Neighbor

R = 50.00'
L = 23.10'

Move Bore
this Direction
if Necessary



ENGINEER'S CERTIFICATE

I hereby certify that the position of all
visible existing improvements on the above
described property have been carefully established
by accepted field practices and that unless
otherwise shown, there are no encroachments.

Thomas C. O'Connor
5/29/92
4/9/92
Thomas C. O'Connor, Jr. Professional Engineer, No. 15239

GLW GUTSCHICK, LITTLE & WEBER, P.A.

CIVIL ENGINEERS, SURVEYORS, PLANNERS, LANDSCAPE ARCHITECTS
3800 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20888
TEL: (301) 421-4024 MD. TEL: (301) 989-2584 BALT. (301) 989-1820 FAX: (301) 421-4188

REFERENCE: PLAT No. 9068

SURVEY DATES: WRL. OF 3-10-92 FINAL 5-26-92 RECEIPT:

WRL. YARDS: FRONT 40' SIDE 10' REAR 30'

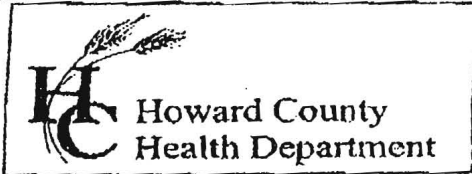
GLW FILE No.

DRAWN BY: DES/CAO DATE: 3-25-92

90088

CHECKED BY: [Signature] SCALE: 1"=40'

5/29/92



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

Penny E. Borenstein, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location: 5211 New Prospect Ct.
 Subdivision/Property Name Lot# Road Name

The well site has been staked by _____
 (professional land surveyor or company employing professional land surveyors)
 on _____ (date) and does not require a site inspection.

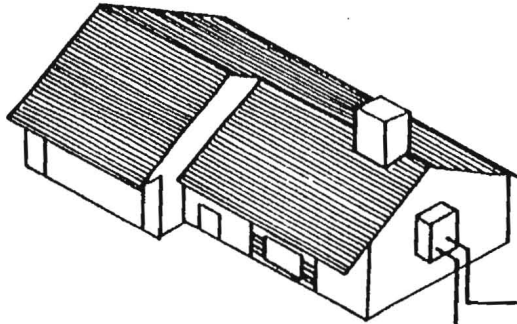
The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location. *wells are staked*

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 3/11/05

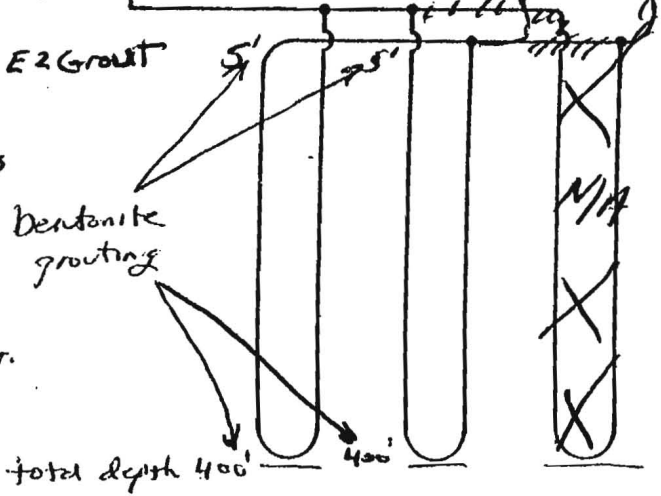
APR 15 11 08 AM '06

Driller: Jones Well Drilling Inc.
 contact: David Kelly
 410-692-6987



bury depth 5' below grade

Wyo-Ben bentonite-E2 Grout
 (50 lb. bags)
 mixed with 24 gallons
 of water per
 manufacturer specs
 yields 27 gal. slurry
 with a 0.42 btu-ft/lhr.
 thermal conductivity



Earth Coil Type: Vertical - Single U-Bend
 Water Flow: Parallel
 Pipe Sizes: 1 1/4" double Loop

Bore Lengths: 400' x 2 holes (800' vertical bore)
 Pipe Lengths: 800 x 2 (1600 vertical pipe)

18.11.81 91.07

FIGURE 4.5: Parallel Vertical Ground Heat Exchanger