

8 13

15 20 101284

22 26 400 (TO NEAREST FOOT)

28 29 30 31 32 33 34 35 36 37 #0-81-0712

OWNER JOHN Mc DONOUGH BLDGS. last name MEADOWWOOD WAY first name TOWN HIGHLAND

STREET OR RFD SIMPSON WOOD SECTION 3 LOT 1

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		Check if water bearing
	FROM	TO	
Top Soil	0	2	
Shaley	2	10	
Sand Stone	10	25	
Mica	25	30	
Shaley	30	45	✓
Mica	45	85	
Flint	85	87	✓
Mica	87	400	

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES NO

TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 6 NO. OF POUNDS 600

GALLONS OF WATER 30

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 25 ft.

CASING RECORD

ST CO STEEL CONCRETE

PL OT PLASTIC OTHER

MAIN CASING TYPE 57 Nominal diameter 6 (nearest inch) Total depth 28 (nearest foot)

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

SCREEN RECORD

screen type or open hole ST BR HO STEEL BRASS OPEN HOLE

PL OT PLASTIC 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
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21

PUMPING TEST

HOURS PUMPED (nearest hour) 6

PUMPING RATE (gal. per min. to nearest gal.) 2

METHOD USED TO MEASURE PUMPING RATE bucket

WATER LEVEL (distance from land surface) BEFORE PUMPING 26 WHEN PUMPING 100

TYPE OF PUMP USED (for test) C centrifugal S submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO

IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:

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 2 (nearest foot)

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 10.17.13 "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 IDENT. NO. 41

DRILLERS SIGNATURE J. Samuel Castiday

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

SLOT SIZE 1 2 3

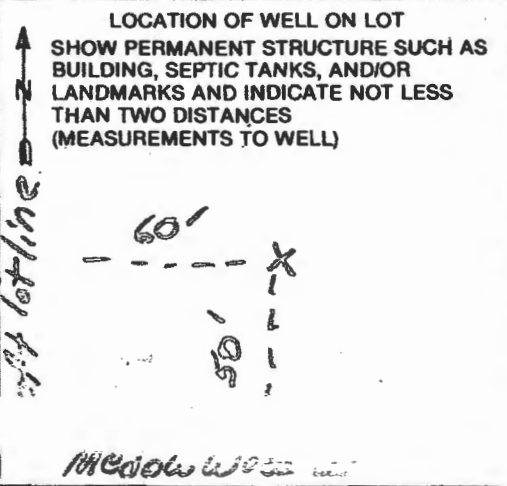
DIAMETER OF SCREEN 56 (NEAREST INCH)

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

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

T (E.R.O.S.) WQ

TELESCOPE CASING LOG INDICATOR OTHER DATA



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-0712
 Location of property (road) MEADOW WOOD WAY
 Subdivision SIMPSON WOOD Lot 1 Block Plat Sec. 3
 Well Driller EASTADAY Owner J. McDONOUGH BROS

Depth of well 400'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 25'9"

High rate pumping -- reservoir drawdown

Time pump started 8:10 Pumping rate 8.6 G.P.M.
 Total time 20 min to reach pumping water level 106'6" ft. below M.P.

1. Recovery pump test data - observations to be recorded every 15 minutes Pump 250'

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5' gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:30	106'6"	40 sec		1 1/2 G.P.M.
8:45	106'10"	40 sec		1 1/2 G.P.M.
9:00	107'	40 sec		1 1/2 G.P.M.
9:15	107'	40 sec		1 1/2 G.P.M.
9:30	107'6"	40 sec		1 1/2 G.P.M.
9:45	107'10"	40 sec		1 1/2 G.P.M.
10:00	107'8"	40 sec		1 1/2 G.P.M.
10:15	108'	40 sec		1 1/2 G.P.M.
10:30	108'1"	40 sec		1 1/2 G.P.M.
10:45	108'4"	40 sec		1 1/2 G.P.M.
11:00	108'6"	40 sec		1 1/2 G.P.M.
11:15	108'6"	40 sec		1 1/2 G.P.M.
11:30	108'6"	40 sec		1 1/2 G.P.M.
11:45	108'7"	40 sec		1 1/2 G.P.M.
12:00	108'7"	40 sec		1 1/2 G.P.M.
12:15	108'9"	40 sec		1 1/2 G.P.M.
12:30	108'10"	40 sec		1 1/2 G.P.M.
12:45	108'10"	40 sec		1 1/2 G.P.M.
1:00	108'10"	40 sec		1 1/2 G.P.M.
1:15	109'	40 sec		1 1/2 G.P.M.
1:30	109'	40 sec		1 1/2 G.P.M.
1:45	108'9"	40 sec		1 1/2 G.P.M.
2:00	109'2"	40 sec		1 1/2 G.P.M.
2:15	109'6"	40 sec		1 1/2 G.P.M.
2:30	109'6"	40 sec	Brace	1 1/2 G.P.M.

Date received 1/11/84
OWNER INFORMATION
 8 COUNTY 21
 15 Last Name McDonough Owner First Name John 34
 36 Street or RFD 5829 Roundfork Rd 55
 57 Town Colonia 70 State 72 MD Zip 76 21044

DRILLER INFORMATION
 Driller's Name James E. Smith 77 License No. 60 41
 Firm Name James E. Smith & Son, Inc.
 Address 215 E. From Center Rd. P.O. Box 10000
 Signature _____ Date _____

WELL INFORMATION
 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
 PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
 TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 200 24 28 FEET
 APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

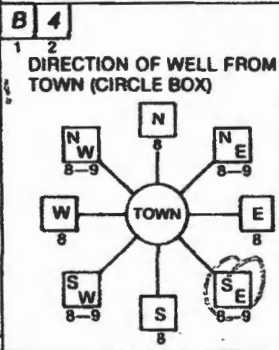
METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 30 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 37 CABLE REVERSE-ROTARY DRIVE-POINT
 other _____

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 THIS WELL WILL DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52

Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER _____ GAP _____ 83
 FORCE INITIALS IN BOX PERMIT No. 40-81-0712 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

LOCATION OF WELL
 1 2
 8 COUNTY 21
 23 SUBDIVISION SIMPSON 42
 SECTION 3 44 46 LOT 1 48 50
 52 NEAREST TOWN Michibida 71
 MILES FROM TOWN (enter 0 if in town) 2 75 76 77 78 MI



NEAR WHAT ROAD MANUAL ROAD 11 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
 34 50 37 DISTANCE FROM ROAD ENTER FT or MI 1 38 39

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME Adco COUNTY NO.
 OEP SIGNATURE STATE HEALTH INSERT S 41
 DATE ISSUED 090787 CO SIGNATURE James E. Smith 3/7/87 EXP. DATE
 NORTH GRID 58000 50 55 EAST GRID 0822000 57 63

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 820 2
 N 480 7

2' casing
 LOCATION OK DAY HOLE FILLED
 28' CASING 4/3 BAGS CEMENT CW
 1' RB GR.
 25' OPEN
 6 BAGS CEMENT
 10/11/84 CW
 000
 000

