

B 1 1216  
 1 2 3 (SEQ. NO.) 6  
 (THIS NUMBER IS TO BE PUNCHED IN COLUMNS 3-6 ON ALL CARDS)

STATE OF MARYLAND  
 WATER RESOURCES ADMINISTRATION  
 TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401  
 APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER  
 NO. 73 0843  
 FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)  
 10/30/74  
 1:30 P.M.

OWNER  
 COL 15 LAST NAME: Barker COL 34 FIRST NAME: Rudolph  
 STREET OR RFD: 6561 Basket Ridge Rd. Ct. #6 COL 55  
 POST OFFICE: Columbus, Ind. COL 57 COL 76

B 1 CONTINUED DRILLER INFORMATION  
 1 2 3 (SEQ. NO.) 6  
 DATE: 9-16-74 LICENSE NUMBER: 217  
 77 80  
 FIRST NAME: C.A. Cromwell DRILLER LAST NAME: Cromwell  
 SIGNATURE: C.A. Cromwell

B 3 LOCATION OF WELL  
 1 2 3 (SEQ. NO.) 6  
 COUNTY: HOWARD (DO NOT ABBREVIATE COUNTY NAME) COL 21  
 SUBDIVISION: Linden Chapel Hills COL 42  
 SECTION: 3 COL 44 COL 46 LOT: 11B COL 48 COL 50  
 NEAREST TOWN: DAYTON COL 52 COL 71  
 MILES FROM TOWN (ENTER 0 IF IN TOWN): 1 COL 73 COL 76 COL 77 COL 78

B 2 WELL INFORMATION  
 1 2 3 (SEQ. NO.) 6  
 MAXIMUM PUMPING RATE (GALLONS PER MINUTE): 3 COL 8 COL 12  
 AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY): 500 COL 14 COL 20  
 USE FOR WATER (CIRCLE APPROPRIATE BOX)  
 HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)  
 FARMING, AGRICULTURE, IRRIGATION  
 INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.  
 MUNICIPAL WATER SUPPLY } MUST HAVE STATE HEALTH DEPT. APPROVAL  
 PRIVATE WATER COMPANY }  
 TEST

B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)  
 1 2 3 (SEQ. NO.) 6  
 NORTH  EAST  N E NORTHEAST  S E SOUTHEAST  
 SOUTH  WEST  N W NORTHWEST  S W SOUTHWEST  
 NEAR WHAT ROAD: 4991 MORNINGTON DRIVE  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX):  NORTH  SOUTH  EAST  WEST  
 DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX): 40 COL 34 COL 37 COL 38 COL 39

APPROXIMATE DEPTH OF WELL: 200 FEET  
 APPROXIMATE DIAMETER OF WELL: 6 (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)  
 BORED (OR AUGERED)  JETTED  DRIVEN  
 30-37  AIR-ROTARY  AIR-PERCUSSION  ROTARY (HYDRAULIC ROTARY)  
 CABLE  REVERSE-ROTARY  DRIVE-POINT  
 OTHER (DESCRIBE):

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

NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY)  
 APPROPRIATION PERMIT NUMBER: 54 ENGINEER REVIEW DISTRICT NO.: 65  
 FORCE: 87 WRITE INITIALS IN BOX: 88 CONDITIONS: 70 71 72 73 74 75 76 77 78 79

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL  
 1 2 3 (SEQ. NO.) 6  
 STATE HEALTH (CIRCLE BOX) COUNTY NAME: COUNTY NO.:  
 DATE: MO. DAY YR. APPROVED BY: Donald Monaghan, Sanitarian  
 43 48

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH. ALSO SHOW, BY MEANS OF AN "X", THE WELL LOCATION IN THE BOX BELOW AND THE BOX NUMBER FROM THE WELL LOCATION MAP.  
 N  
 10/30/74  
 DAYTON  
 Well 250' deep  
 74' casing  
 30' open hole around casing  
 14 bags cement grout  
 OK. SWIRLING  
 \* Hole drilled to 9" water in 1 1/2" angular space around casing.  
 I was on site at 1:25 PM and they had already mixed & pumped in 2 bags of grout.  
 BOX NUMBER: E 800 N 510  
 NORTH COORDINATE: 50 51 52 53 54 55  
 EAST COORDINATE: 57 58 59 60 61 62 63  
 ELEVATION AT WELL HEAD (FEET): 65 66 67 68  
 0/5 5/5  
 0/0 5/0

B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY)  
 1 2 3 (SEQ. NO.) 6

C 1 8247  
 SEQUENCE NO. (WRA USE ONLY)  
 1 2 3 4 5 6 (SEQ. NO.)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 OF 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) 11-1-74  
 DATE WELL COMPLETED 15 16 17 18 19 20  
 DEPTH OF WELL 250 (TO NEAREST FOOT)  
 PERMIT NO. FROM "PERMIT TO DRILL WELL" NO-73-01113  
 28 29 30 31 32 33 34 35 36 37  
 DRILLERS IDENTIFICATION NO. 217

OWNER: Becken LAST NAME  
 FIRST NAME Rudolph  
 STREET OR RFD 6561 Basketwing rd POST OFFICE Columbia Md

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	
SAND	0	60	
GRAY SAND			
STONE	60	250	

Well 250 ft

WELL DESCRIPTION

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES  NO   
 44 44

TYPE OF GROUTING MATERIAL (CIRCLE BOX):  
 CEMENT  BENTONITE CLAY   
 45 46 45 46

NO. OF BAGS 14 NO. OF POUNDS 1326  
 GALLONS OF WATER 75

DEPTH OF GROUT SEAL (TO NEAREST FOOT)  
 FROM 0 FT. TO 72 FT.  
 (ENTER 0 IF FROM SURFACE)

CASING RECORD

INSERT APPROPRIATE CODE BELOW

STEEL  CONCRETE   
 PLASTIC  OTHER

MAIN CASING TYPE  NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) 6 TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 74  
 60 61 63 64 66 70

OTHER CASING (IF USED)

EACH CASING	DIAMETER (INCH)	DEPTH (FEET)	
		FROM	TO

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE

INSERT APPROPRIATE CODE BELOW

STEEL  BRASS OR BRONZE  OPEN HOLE   
 PLASTIC  OTHER

C 2

1 2 3 (SEQ. NO.) 6

DEPTH (NEAREST WHOLE FOOT) FROM TO

1	HO	74	250
2			
3			

SLOT SIZE 1, 2, 3

DIAMETER OF SCREEN 56 (NEAREST INCH)  
 FROM 60 TO

GRAVEL PACK

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX 68  F

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)

T  W Q   
 70 72 74 75 76  
 TELESCOPE CASING LOG INDICATOR OTHER DATA AVAILABLE

C 3

1 2 3 (SEQ. NO.) 6

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 2  
 8 9

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 3  
 11 15

METHOD USED TO MEASURE PUMPING RATE ROTARY

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING 35 (NEAREST FOOT)  
 17 20

WHEN PUMPING 250 (NEAREST FOOT)  
 22 25

TYPE OF PUMP USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST)

AIR  PISTON  TURBINE   
 27 27 27

CENTRIFUGAL  ROTARY  OTHER (DESCRIBE BELOW)   
 27 27 27

JET  SUBMERSIBLE   
 27 27

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O) 29

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) YES  NO   
 Y N

CAPACITY:

GALLONS PER MINUTE (TO NEAREST GALLON) 31 35

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)  
 BELOW } 50 51

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 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 ON 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

(PLEASE PRINT) C.S. Brownwell & Son  
 C.S. Brownwell & Son

