

DATE RECEIVED (DWR USE ONLY)
 JAN 20 1981
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OWNER U. S. Dept. of the Interior, Geological Survey
 COL 15 LAST NAME FIRST NAME COL. 34

STREET OR RFD Mail Stop 291
 COL 36 COL. 55

POST OFFICE Reston, VA 22092
 COL 57 COL. 76

B 1 CONTINUED DRILLER INFORMATION

DATE 1/7/81 LICENSE NUMBER 260
 77 80

Robert R. Peters
 FIRST NAME DRILLER LAST NAME

SIGNATURE [Signature]

B 3 LOCATION OF WELL

COUNTY Dorchester
 8 (DO NOT ABBREVIATE COUNTY NAME) 21

SUBDIVISION _____ 42

SECTION _____ LOT _____ 50

NEAREST TOWN Cambridge
 52 71

MILES FROM TOWN (ENTER 0 IF IN TOWN) _____ M I

B 2 WELL INFORMATION

MAXIMUM PUMPING RATE (GALLONS PER MINUTE) _____ 8 12

AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

D DOMESTIC, HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)

F FARMING, AGRICULTURE, IRRIGATION

I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.

M MUNICIPAL WATER SUPPLY } MUST HAVE STATE HEALTH DEPT. APPROVAL

P PRIVATE WATER COMPANY }

T TEST

B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)

N NORTH E EAST NE NORTHEAST SE SOUTHEAST

S SOUTH W WEST NW NORTHWEST SW SOUTHWEST

NEAR WHAT ROAD Rt. 50

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) N S E W

DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 7/10 M I

APPROXIMATE DEPTH OF WELL 3000 FEET
 24 28

APPROXIMATE DIAMETER OF WELL 10 (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)

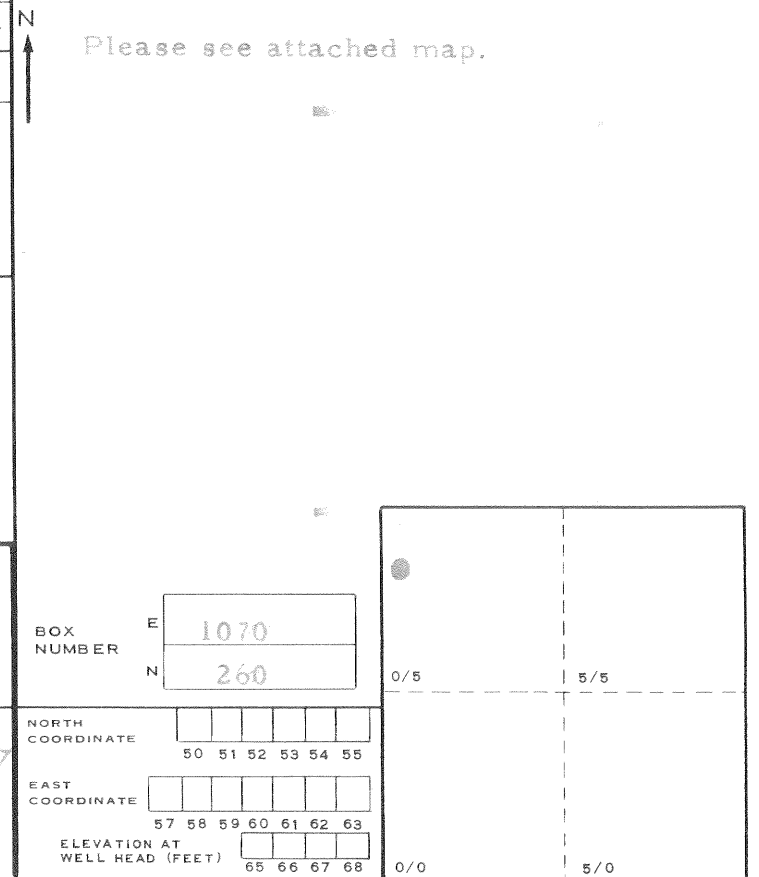
BORED (OR AUGERED) JETTED DRIVEN

30-37 AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY)

CABLE REVERSE-ROTARY DRIVE-POINT

OTHER (DESCRIBE) _____

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.



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

D THIS WELL WILL DEEPEM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____

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

APPROPRIATION PERMIT NUMBER _____ ENGINEER REVIEW DISTRICT NO. _____

FORCE _____ WRITE INITIALS IN BOX _____ CONDITIONS _____

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL

STATE HEALTH (CIRCLE BOX) DORCHESTER COUNTY NAME 31-19-27 COUNTY NO.

DATE 01/27/81 APPROVED BY [Signature]

B 5 SPECIAL CONDITIONS 8-63 (DWR USE ONLY)

SPECIAL CONDITIONS ATTACHED

C 1 3802

SEQUENCE NO. (WRA USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL IS COMPLETED

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

Date Received (WRA use only)

DATE WELL COMPLETED

Depth of Well

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

077 2 18 1

2256 (TO NEAREST FOOT)

30-13-1347

OWNER U. S. Dept. of the Interior, Geological Survey

STREET OR RFD Mail Stop 291

TOWN Reston, VA 22092

SUBDIVISION

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

See attached.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

YES Y NO N

TYPE OF GROUTING MATERIAL

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS NO. OF POUNDS

GALLONS OF WATER

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 3178 ft.

CASING RECORD

casing types insert appropriate code below

ST STEEL CO CONCRETE PL PLASTIC OT OTHER

MAIN CASING TYPE

Nominal diameter top(main)casing (nearest inch)

Total depth of main casing (nearest foot)

S T 4 3178

OTHER CASING (if used)

EACH CASING diameter inch depth (feet) from to

SCREEN RECORD

screen type or openhole

insert appropriate code below

ST STEEL BR BRASS, BRONZE HO OPEN HOLE PL PLASTIC OT OTHER

DEPTH (nearest ft.)

1 2 3 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH) 3.5

GRAVEL PACK

IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX F

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

T (E.R.O.S.) W Q 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3 (seq no)

PUMPING TEST

HOURS PUMPED (nearest hour)

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

METHOD USED TO MEASURE PUMPING RATE

WATER LEVEL (distance from land surface)

BEFORE PUMPING

WHEN PUMPING

TYPE OF PUMP USED (for test)

A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

Samples only

PUMP INSTALLED

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

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

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

CAPACITY: GALLONS PER MINUTE (to nearest gallon)

PUMP HORSE POWER

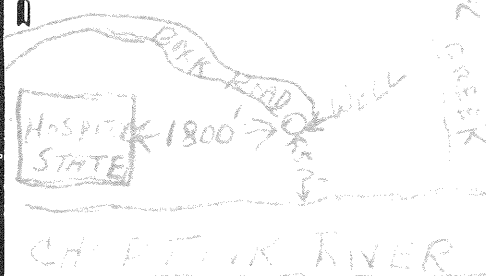
PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

above below LAND SURFACE (nearest foot)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



CIRCLE APPROPRIATE BOX

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 IDENT. NO. 260

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

FORMATION LOG

U. S. Geological Survey
 Cambridge, MD
 January 19, 1981

0 -	5	Sandy brown clay
5 -	20	Sand
20 -	22	Sandy blue clay
22 -	39	Sand
39 -	51	Sandy blue clay
51 -	81	Sand and shells streaks
81 -	90	Hard sand and shells
90 -	115	Sand and shell
115 -	118	Rock
118 -	120	Hard sand and shell
120 -	130	Cavity
130 -	137	Sand and shell
137 -	141	Rock
141 -	151	Sand and shell
151 -	201	Sandy blue clay
201 -	206	Hard blue clay
206 -	210	Sand and blue clay streaks
210 -	283	Sandy clay and some rock streaks
283 -	350	Clay
350 -	355	Rock
355 -	360	Sand and clay streaks
360 -	516	Coarse sand
516 -	537	Packed or cemented coarse sand
537 -	550	Fine sandy clay
550 -	622	Clay
622 -	881	Sandy clay
881 -	941	Sandy clay with rock streaks
941 -	974	Sand with lignite streaks
974 -	991	Sand with rock streaks
991 -	1004	Clay with rock streaks
1004 -	1013	Sand clay
1013 -	1150	Red clay
1150 -	1301	Sandy clay
1301 -	1306	Hard rock with soft clay streaks
1306 -	1348	Sand with hard clay streaks
1348 -	1353	Clay with rock streaks
1353 -	1358	Sand
1358 -	1419	Sandy clay
1419 -	1428	Sand
1428 -	1487	Sand and clay streaks
1487 -	1580	Soft clay
1580 -	1870	Hard clay
1870 -	1871	Rock
1871 -	1890	Hard clay
1890 -	2094	Sandy clay
2094 -	2170	Hard clay
2170 -	2240	Soft clay
2240 -	2300	Sandy clay
2300 -	2343	Hard clay

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FORMATION LOG

2343 - 2460	Sandy clay
2460 - 2610	Hard clay
2610 - 2696	Sand
2696 - 2697	Rock
2697 - 2706	Sandy clay
2706 - 2707	Hard clay
2707 - 2729	Sand and hard clay streaks
2729 - 2744	Sandy clay
2744 - 2760	Hard clay and rock streaks
2760 - 2830	Packed sand and clay streaks
2830 - 2850	Hard clay
2850 - 2979	Sandy clay
2979 - 3024	Sand with sandy clay streaks
3024 - 3094	Hard clay
3094 - 3105	Sandy clay
3105 - 3130	Hard clay
3130 - 3150	Sand with hard clay streaks
3150 - 3159	Hard clay
3159 - 3161	Rock
3161 - 3184	Hard sandy clay
3184 - 3225	Rock sand
3225 - 3236	Sandy clay
3236 - 3239	Sandy clay; gummy
3239 - 3306	Rock and sand
3306 - 3337	Granite rock

DIMENSIONS OF CASING AND SCREEN

TOTAL LENGTH OF ALL SCREENS and CASINGS		LENGTH OF EACH SEC. OF SCREEN OR CASING		SPECIFY SCREEN OR CASING	SIZE OF SCREEN OR CASING	GAUGE OF SCREEN
FT.	IN.	FT.	IN.		IN.	
1467		1467		Casing	4	
1477		10		Screen	4	.012
1603		126		Casing	4	
1613		10		Screen	4	.012
1828		215		Casing	4	
1838		10		Screen	4	.012
2006		168		Casing	4	
2016		10		Screen	4	.012
2276		260		Casing	4	
2286		10		Screen	4	.012
2647		361		Casing	4	
2653		6		Screen	4	.012
3253		602		Casing	4	

** TOTAL WELL DEPTH NOT LIMITED IN

EXCEPT SCREEN SET FROM

1467' - 1477'

WELL DATA:

Preliminary Test

Date Tested 19 Static Level
 Production GPM Pumping Level

Permanent Test

Date Tested 19 Static Level
 Production GPM Active St. Level
 Drawdown Pumping Level

Remarks: