

C1 4544 SEQUENCE NO. (DENV USE ONLY)

1 2 3 6
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED **090994**

STATE OF MARYLAND WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY (PLEASE PRINT OR TYPE)

Depth of Well **400** (TO NEAREST FOOT)

OK 9/6/95 DKS

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY NUMBER **P50224**

PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-94-0191**

OWNER **Rader Michelle**
last name first name

STREET OR RFD **12044 Frederick Rd**

TOWN **W. Friendship**

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		Check if water bearing
	FROM	TO	
top soil	0	2	
Shaley	2	10	
Sand	10	125	
Shaley	125	149	
Brown mica	149	165	
tan mica	165	400	✓

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle appropriate box) **Y** **N**

TYPE OF GROUTING MATERIAL
CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS **27** NO. OF POUNDS **2700**

GALLONS OF WATER **135**

DEPTH OF GROUT SEAL (to nearest foot)
from **0** ft. to **62** ft.

CASING RECORD
casing types insert appropriate code below

ST **CO**
STEEL CONCRETE

PL **OT**
PLASTIC OTHER

MAIN CASING TYPE
ST **C** **159**

Nominal diameter top (main) casing (nearest inch)

Total depth of main casing (nearest foot)

OTHER CASING (if used)
A C H I N G diameter depth (feet) inch from to

SCREEN RECORD
screen type or open hole insert appropriate code below

ST **BR** **HO**
STEEL BRASS OPEN HOLE

PL **OT**
PLASTIC OTHER

IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY WHERE SATURATED FRACTURES WERE OBSERVED

WELL HYDROFRACTURED **Y** **N**

C2

DEPTH (nearest ft.)

1 **40** **157** **400**

2

3

SLOT SIZE 1 2 3

DIAMETER OF SCREEN (NEAREST INCH) from to

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 IDENT. NO. **40**

DRILLERS SIGNATURE **George F. Eastwood**

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

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

C3

PUMPING TEST

HOURS PUMPED (nearest hour) **3**

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

METHOD USED TO MEASURE PUMPING RATE **Bucket**

WATER LEVEL (distance from land surface) BEFORE PUMPING **50**

WHEN PUMPING **400**

TYPE OF PUMP USED (for test)

A air **P** piston **T** turbine

C centrifugal **R** rotary **O** other (describe below)

J jet **S** submersible

PUMP INSTALLED

DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO) 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)

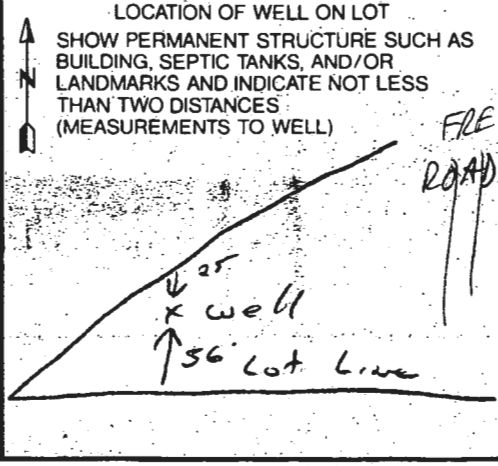
PUMP HORSE POWER

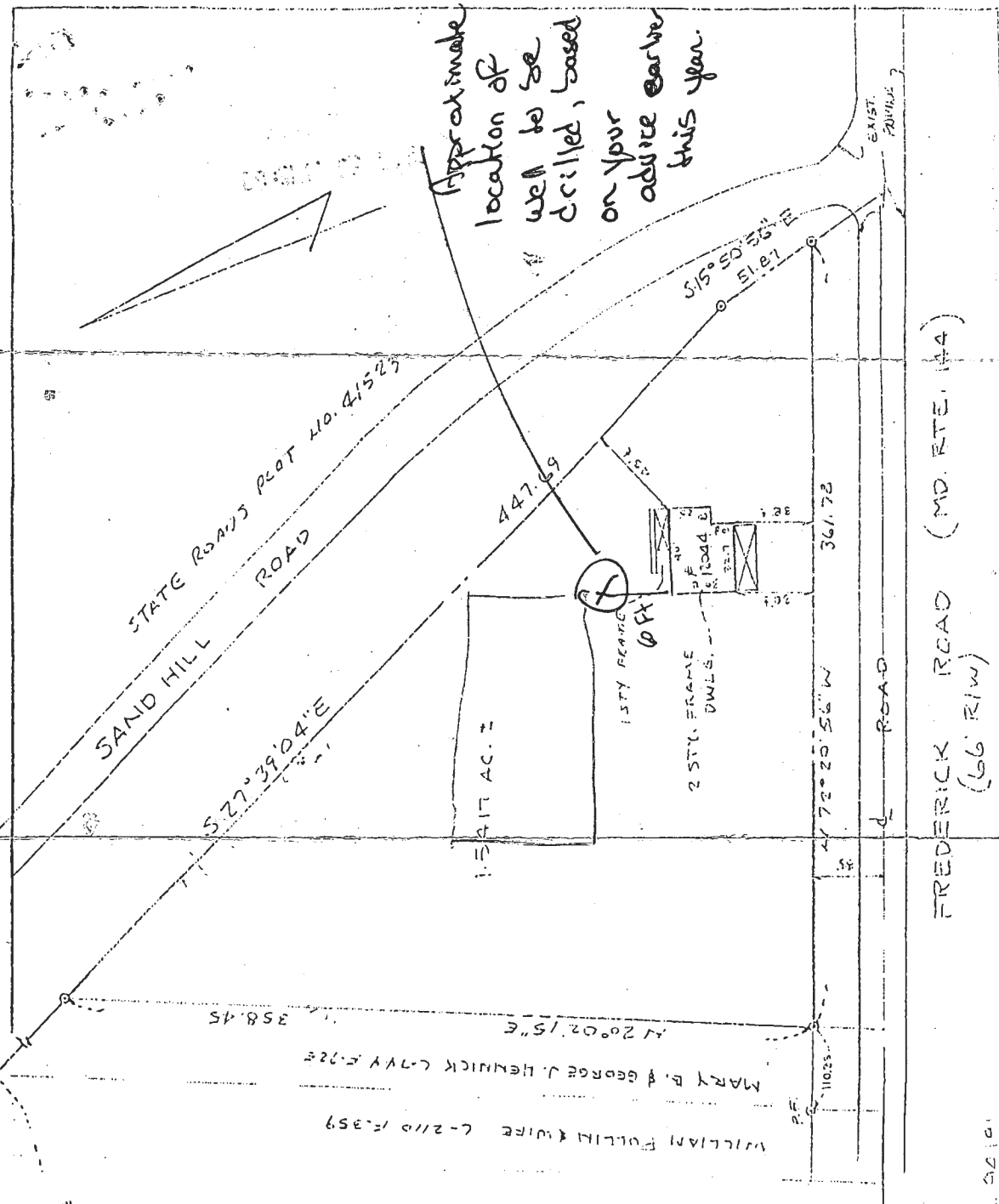
PUMP COLUMN LENGTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

+ above } LAND SURFACE

- below } **2** (nearest foot)

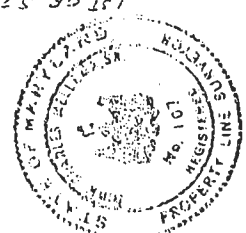




515.40
PLAT DISTANCE
HELP (C.M.P. 4054)
(C.M.P. 4047)

PHILIP BEITZ JR.
251/427

157 OR S 21° 18' 0" E 1980 FOOT LINE
DESCRIBED IN DEED 132/486



I HEREBY CERTIFY THAT I HAVE MADE A TRANSIT TAPE SURVEY OF THE PROPERTIES SHOWN HEREON FOR THE PURPOSE OF ESTABLISHING BOUNDARY LINES AND HAVE FOUND THE INFORMATION SHOWN HERE TO BE CORRECT.

6-10-94 John C. Mellema Sr.
DATE JOHN C. MELLEMA SR.

BOUNDARY & LOCATION SURVEY
12044 FREDERICK RD.
HOWARD CO. MARYLAND
SCALE: 1"=60'
JUNE, 1994
DEED REF. 291/49

PREPARED BY
JOHN C. MELLEMA SR., INC.
5409 EAST DR.
BALTIMORE, MARYLAND 21227
707-7488 FAX 207-7487-8


132/486

B 1 **07790** SEQUENCE NO. (DP USE ONLY) STATE OF MARYLAND PERMIT TO DRILL WELL please print or type STATE PERMIT NUMBER **HA-94-0191**
70 fill in this form completely 75

B 2 **082249** OWNER INFORMATION
RADER MICHAEL E
15 Last Name 8 Owner 13 First Name 34
12302 FARMFIELD RD
38 Street or RFD 55
HEPROVIA MD 21770
57 Town 70 State 72 Zp 76

B 3 LOCATION OF WELL
HOWARD
8 COUNTY 21
23 SUBDIVISION 42
 SECTION **44** LOT **48**
44 46 48 50
WEST FRIENDSHIP
52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) **2** MI
73 76 77 78

DRILLER INFORMATION
George F. Easterday
77 License No. 80 **40**
L. Franklin Easterday, Inc.
Firm Name
9265 Brown Church Rd., MT. Airy, Md. 21771
Address
7/19/94
Signature Date

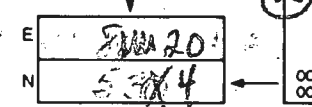
B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) NEAR WHAT ROAD **13044 Friendsh. Rd.**
11 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

300
34 37 DISTANCE FROM ROAD
 ENTER FT or MI **FT**
38 39

B 2 WELL INFORMATION
 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)

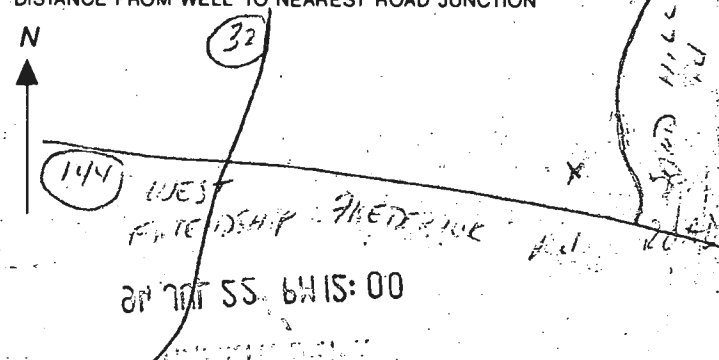
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME **P50224** COUNTY NO.
 STATE SIGNATURE **Mark E. Rollin** INSERT S
082694 DATE ISSUED **8/26/95** EXP. DATE
43 48 CO SIGNATURE 61
 NORTH GRID **534000** EAST GRID **2820000**
50 55 57 63

APPROXIMATE DEPTH OF WELL **300** FEET
24 28
 APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X **9/9/94 NOON No Frsp**
 SOURCES OF DRILLING WATER
 1. well
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE


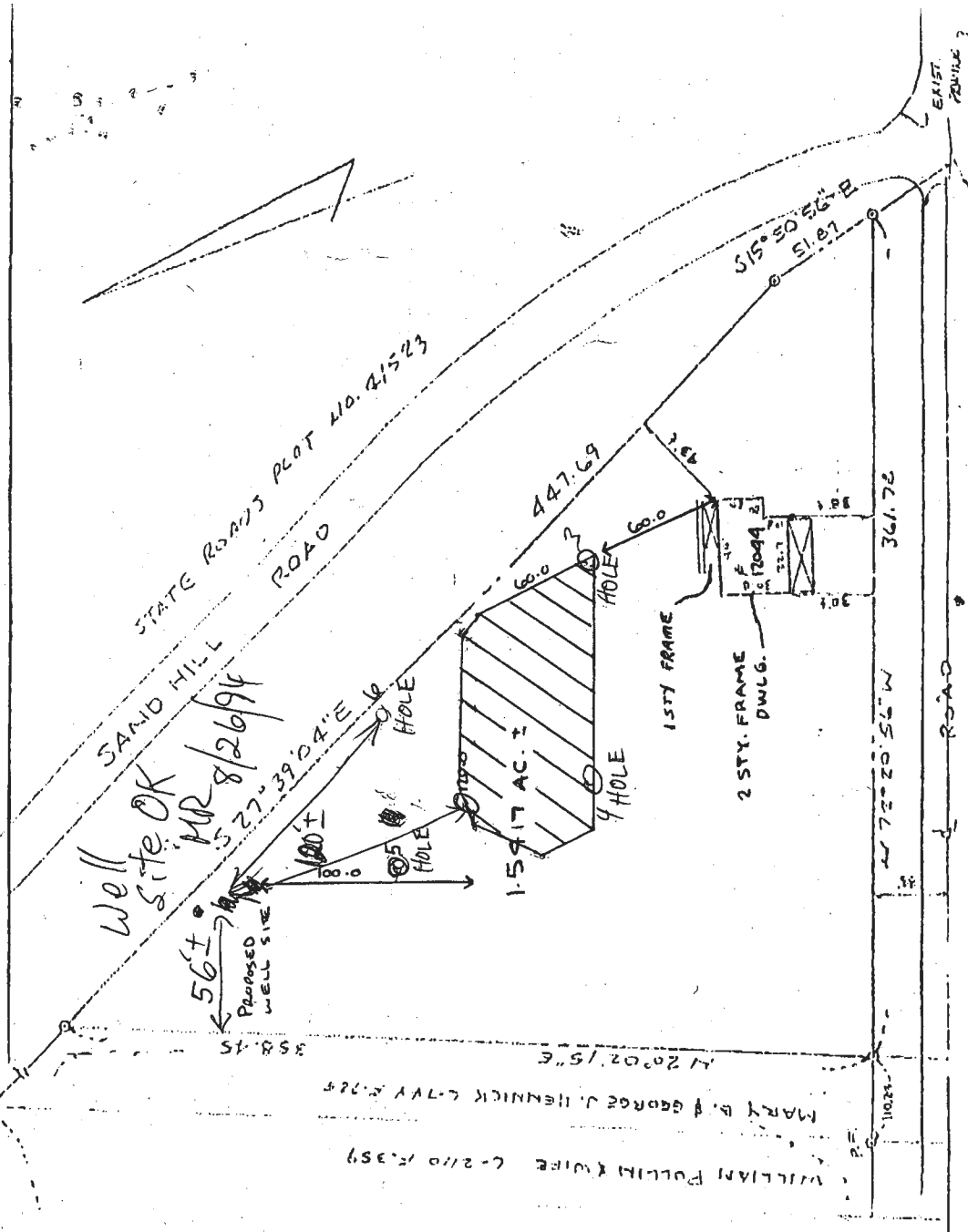
METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 CABLE REVerse-ROTary DRive-POINT
 other _____

REPLACEMENT-OR 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) _____

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

144 WEST FRIENDSHIP
 2nd 7th SS. 6/15:00

Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER _____
54 63
 FORCE **TR** WRITE INITIALS IN BOX PERMIT No. **HA-94-0191**
67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
Mrs./Mr. Rader 831-9184 410-715-2000 800-918-4353



Well Site OK
MR 8/26/94

PLAT DISTANCE
HOLD (COMP. 4004)
COMP. 6247

1/27 R 5 2'E 1980 FOOT CIRC
DESCRIBED IN DEED 137/486

PHILIP BEITZ JR.
151/427



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