6/14/96 11:00

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04-330250

P 56440A

A REPAIR

DISTRICT

DATE 2/9/96

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

XXXXXXXX 313-2640

INDEXED

DATE SYSTEM APPROVED 6/14/96

INSPECTOR Ave

Jack Fyock Septic Services IS PERMITTED TO INSTALL ____ ALTER X

ADDRESS ____ PHONE 988-9270

SUBDIVISION ____ LOT ____ ROAD 14610 Route 144

PROPERTY OWNER Edward Bell
14610 Route 144

ADDRESS ____

SEPTIC TANK CAPACITY 1000 GALLONS

125
3
4 375
100±

NUMBER OF BEDROOMS ____

____ SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED ____

REPAIR - PURPOSE - REPLACING COLLAPSED METAL SEPTIC TANK WITH A 1000 GALLON CONCRETE TANK. Call for inspection when tank is in place so that the size and location can be approved.

Install 2 - 50' Long Trenchs, 2' wide, Inlet @ 4½', Tr #1 (uphill) Bottom 9', 4½' Stone
Tr #2 (downhill) Bottom 8', 3½' Stone

PLANS APROVED BY Amy McMillen DATE 02/09/96
jr

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° **ELBOWS** NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

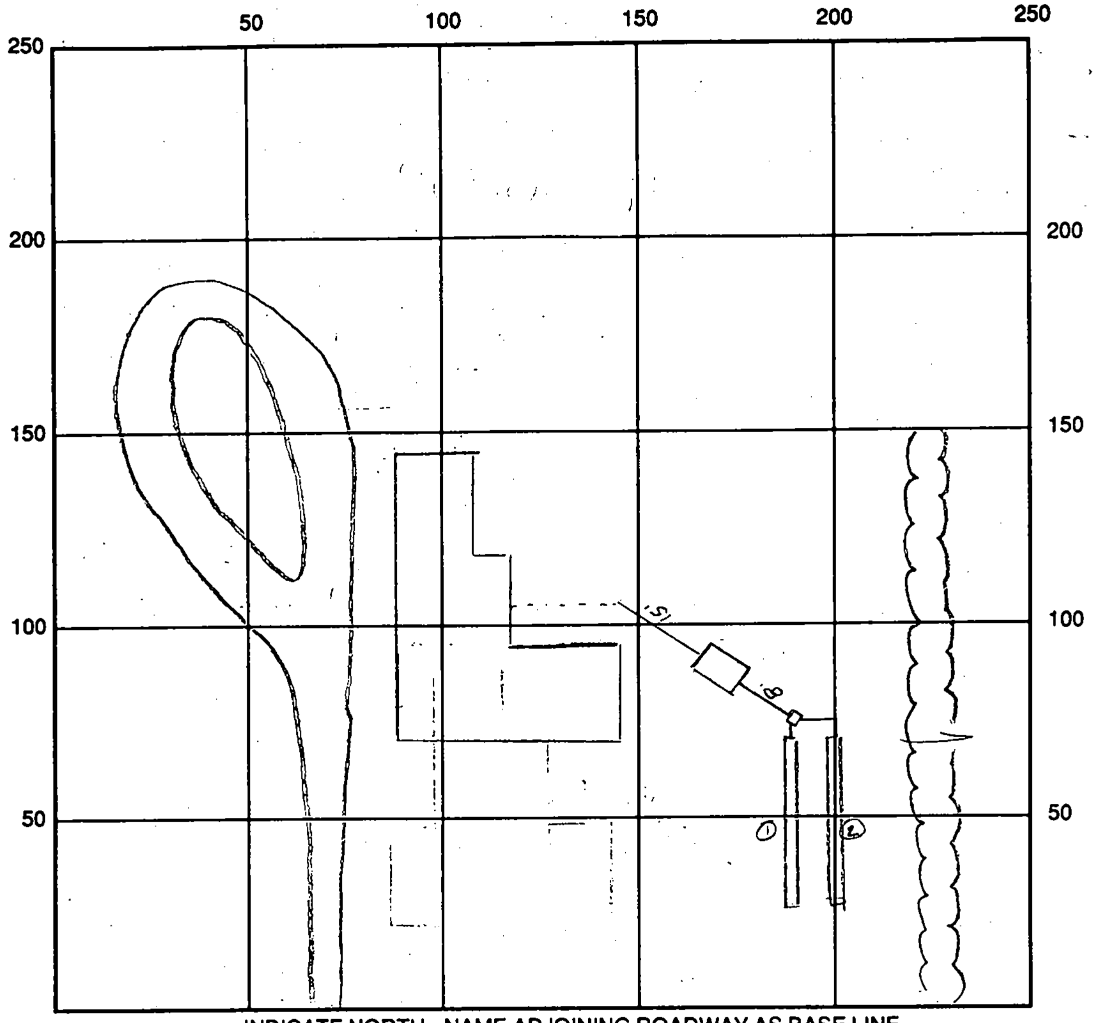
***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

***CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.**

HD-260(6-90)

P 56440A

Hole A
yel red CL
4½
yel red
- red brn
18² SL



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL New 1000 gal Septic Tank CLEANOUTS ____

DISTRIBUTION BOX LEVEL ____

DRAIN FIELD/TITLE DEPTH ____ FT. TRENCH WIDTH ____ FT. INLET DEPTH ____ FT.

EFFECTIVE GRAVEL DEPTH ____ FT. TOTAL LENGTH ____ FT.

NUMBER OF TRENCHES ____ ONE SIDEWALL/BOTTOM AREA ____ SQ. FT.

DRYWALL INSIDE DIAMETER ____ FT. EFFECTIVE DEPTH BELOW INLET ____ FT.

ABSORBENT AREA ____ SQ. FT.

REMARKS: Septic Tank Placement OK, call for Trench Final when ready, [illegible] 6/13/96

DATE SYSTEM APPROVED 6/14/96 INSPECTOR Amy McMillan

SITE INSPECTION SHEET

OWNER: Robert Bell

ADDRESS: 14610 Frederick Road
Cooksville

DATE REQUESTED: 4/4/96

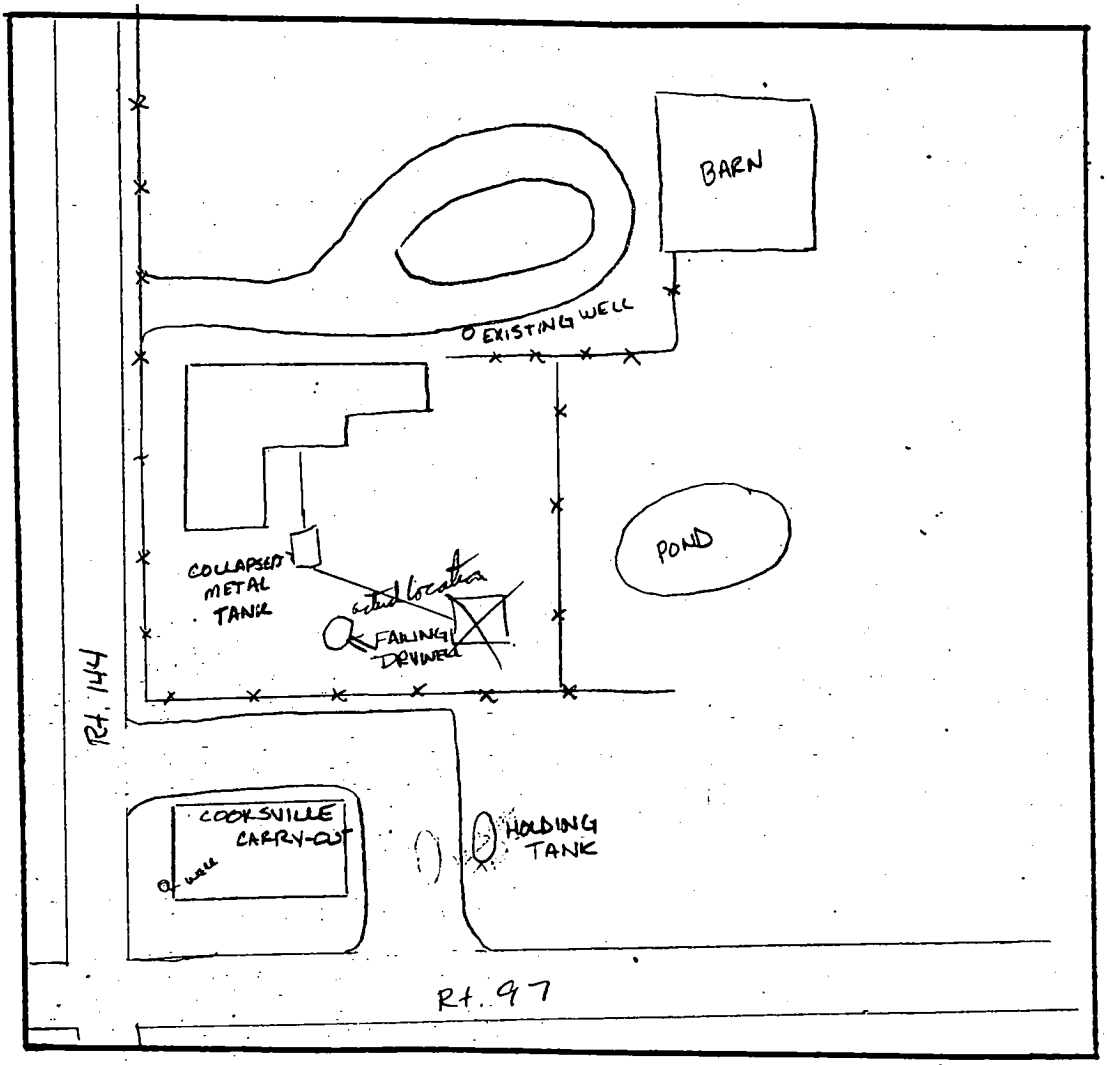
DRILLER:

WELL TAG #

COUNTY #

PROPOSAL: collapsed metal tank - want to replace

LOCATION DIAGRAM



COMMENTS: 4/4/96 OK to replace tank - need to repair entire system. Suggest 1500gal duel chambered tank to allow for possible pump system or holding tank Au...

DATE: 4/4/96

INSPECTOR: Amy McMillen

DNR-131 (7/73)

EMERGENCY NO. (If any) —

B 1 — SEQUENCE NO. (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6 (THIS NUMBER IS TO BE PUNCHED IN COL. 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

FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)

8-13

OWNER Bell B. Foster — COL 15 LAST NAME — FIRST NAME — COL. 34

STREET OR RFD 10410 Kensington Rd — COL 36 — COL. 55

POST OFFICE Cooksville Md 21723 — COL 57 — COL. 76

B 1 CONTINUED (SEQ. NO.)

DRILLER INFORMATION

DATE June 15, 1973 — LICENSE NUMBER 229 (77–80)

Earl Haynes — FIRST NAME — DRILLER — LAST NAME

SIGNATURE Earl Haynes

B 2 (SEQ. NO.)

WELL INFORMATION

MAXIMUM PUMPING RATE (GALLONS PER MINUTE) 5 (8–12)

AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) 400 (14–20)

USE FOR WATER (CIRCLE APPROPRIATE BOX.)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
- F FARMING, AGRICULTURE, IRRIGATION
- I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.
- M MUNICIPAL WATER SUPPLY
- P PRIVATE WATER COMPANY

} MUST HAVE STATE HEALTH DEPT. APPROVAL

- T TEST

22

APPROXIMATE DEPTH OF WELL 150 FEET (24–28)

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 DEEPENED 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 DEEPEN AN EXISTING WELL

39

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (IF AVAILABLE) (41–52)

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

APPROPRIATION PERMIT NUMBER G A P (54–63) — ENGINEER REVIEW DISTRICT NO. (65)

FORCE (67 68) WRITE INITIALS IN BOX — CONDITIONS A E N S G W Q C L U (70 71 72 73 74 75 76 77 78 79)

B 4 CONTINUED (SEQ. NO.)

HEALTH DEPARTMENT APPROVAL

41 S STATE HEALTH (CIRCLE BOX) — COUNTY NAME — COUNTY NO.

DATE MO. DAY YR. (43–48) — APPROVED BY

B 5 (SEQ. NO.)

SPECIAL CONDITIONS 8-63 (WRA USE ONLY)

B 3 (SEQ. NO.)

LOCATION OF WELL

COUNTY Howard (8–21) (DO NOT ABBREVIATE COUNTY NAME)

SUBDIVISION Woods (23–42)

SECTION (44–46) LOT (48–50)

NEAREST TOWN Cooksville (52–71)

MILES FROM TOWN (ENTER 0 IF IN TOWN) 0 (73) M I (76 77 78)

B 4 (SEQ. NO.)

DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX)

N NORTH (8) E EAST (8) NE NORTHEAST (8 9) SE SOUTHEAST (8 9)

S SOUTH (8) W WEST (8) NW NORTHWEST (8 9) SW SOUTHWEST (8 9)

NEAR WHAT ROAD Old Rte 99 (11–30)

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH (N) (32) SOUTH (S) (32) EAST (E) (32) WEST (W) (32)

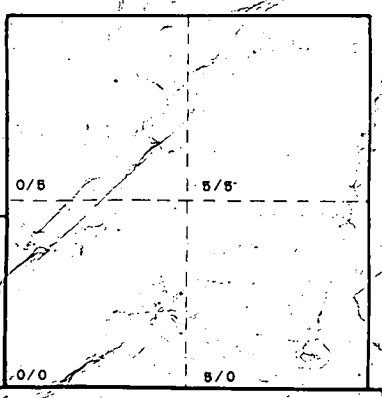
DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) 1/2 (34–37) F T M I (38 39)

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 ↑

7/15/73 well OK see other wells & attached sheet R Hodges

BOX NUMBER E 220 N 210



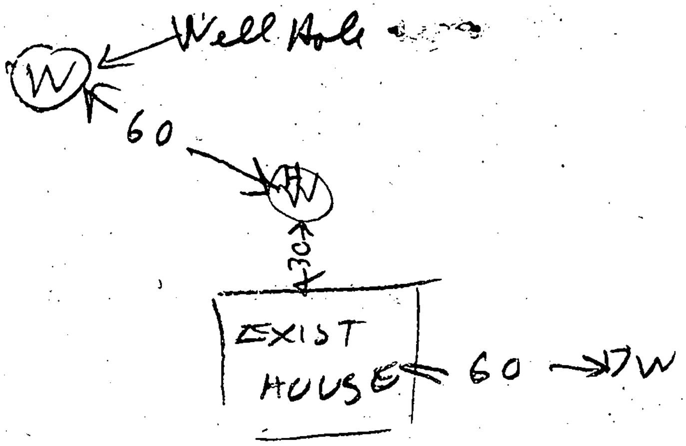
NORTH COORDINATE (50–55)

EAST COORDINATE 0 (57–63)

ELEVATION AT WELL HEAD (FEET) (65–68)

8 63

HEALTH



(HW) = Deathony dug well 25 ft deep & drying up

442 2005

RT 144

(1) Mayne said well is now 85 ft deep to rock & caving in, & observed much mud being pumped out of hole Casing not yet set. Mar

(2) Talked to FF He said well grout pipe must be ~~[illegible]~~ put down to 85 ft & attempt to cleanout well must be made as casing put down.

(3) Talked to J. Mayne He said he has 40 ft of grout pipe & is willing to put 40 ft of grout pipe down side of Casing. He said it is impossible to put 85 ft grout pipe down

(4) Otherwise well will be abandoned

(4) Talked to FF He said they will ~~grout~~ ~~[illegible]~~ O.K. an 85 ft of grout pipe & attempt to grout it

(5) Told Bell the owner & R. Mayne FF decision in (4)
Bell called FF

See Lined sheet

ROBERT Bell Well
Rt 144 nr Rt 97
Ralph Wayne Well Drilling

(6) After Bell called FF FF said that Wayne must get more grout pipe (20 to 30 ft) & to put grout pipe down well as far as it would go

(7) Wayne put 85 ft casing in well with 5 ft sticking out of ground

(8) I measured 22 ft depth of open hole with a string

(9) A 45 ft long grout pipe was then jetted down 45 ft & grouting started

(10) 33 bags of cement used in 500 ft

(11) Well OK RJ

DNR 214 9/71

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401
WELL COMPLETION REPORT

C 1 0544 — SEQUENCE NO. (WRA USE ONLY)
1 2 3 (SEQ. NO.) 6
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER: [illegible]

DATE RECEIVED (WRA USE ONLY) 8-13

DATE WELL COMPLETED: July 17, 1977 (15–20)

DEPTH OF WELL (TO NEAREST FOOT) 22–26: 185

PERMIT NO. FROM "PERMIT TO DRILL WELL" 28 29 30 31 32 33 34 35 36 37: [illegible]

DRILLERS IDENTIFICATION NO. [illegible]

OWNER: Bell Robert
LAST NAME — FIRST NAME

STREET OR RFD: 14410 Frederick Rd — POST OFFICE: Cooksville Md.

WELL DESCRIPTION

WELL LOG

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING.

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET FROM	FEET TO	CHECK IF WATER BEARING
Top Soil	0	2	
Sandy	2	25	
Sand Stone	25	90	
Micka	90	100	
Sand Stone	100	105	✓
Micka	105	185	

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX): YES **Y** (44) / NO N (44)

TYPE OF GROUTING MATERIAL (CIRCLE BOX): CEMENT **C M** (45 46) — BENTONITE CLAY B C (45 46)

NO. OF BAGS 33 — NO. OF POUNDS 3300

GALLONS OF WATER 178

DEPTH OF GROUT SEAL (TO NEAREST FOOT)
FROM 0 FT. (48–52) TO 30 FT. (54–58)
(ENTER 0 IF FROM SURFACE).

CASING RECORD

CASING TYPES — INSERT APPROPRIATE CODE BELOW: **S T** STEEL; C O CONCRETE; P L PLASTIC; O T OTHER

MAIN CASING TYPE (60–61)	NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH) (63–64)	TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) (66–70)
S T	6	75

OTHER CASING (IF USED) — EACH CASING: DIAMETER (INCH); DEPTH (FEET) FROM — TO

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE — INSERT APPROPRIATE CODE BELOW: S T STEEL; B R BRASS OR BRONZE; **H O** OPEN HOLE; P L PLASTIC; O T OTHER

C 2 — 1 2 3 (SEQ. NO.) 6

EACH SCREEN — DEPTH (NEAREST WHOLE FOOT)

	TYPE	FROM	TO
1	H O (8–9)	75 (11–15)	185 (17–21)
2	(23–24)	(26–30)	(32–36)
3	(38–39)	(41–45)	(47–51)

SLOT SIZE 1. ____ 2. ____ 3. ____

DIAMETER OF SCREEN ____ (56–60) (NEAREST INCH).

GRAVEL PACK FROM ____ TO ____

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX 68 F

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER).
T 70 TELESCOPE CASING — (E.R.O.S.) 72 LOG INDICATOR — W Q 74 75 76 OTHER DATA AVAILABLE

C 3

1 2 3 (SEQ. NO.) 6

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) (8–9)

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

METHOD USED TO MEASURE PUMPING RATE: [illegible]

WATER LEVEL: (DISTANCE FROM LAND SURFACE)
BEFORE PUMPING 40 (17–20) (NEAREST FOOT)
WHEN PUMPING 175 (22–25) (NEAREST FOOT)

TYPE OF PUMPED USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST): **A AIR** 27; P PISTON 27; T TURBINE 27; C CENTRIFUGAL 27; R ROTARY 27; O OTHER (DESCRIBE BELOW) 27; J JET 27; S SUBMERSIBLE 27

PUMP INSTALLED

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

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

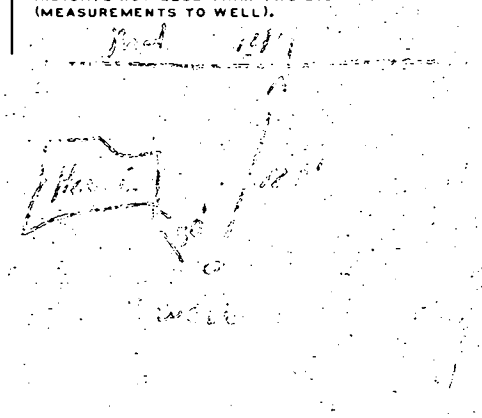
CAPACITY:
GALLONS PER MINUTE (TO NEAREST GALLON) (31–35)
PUMP HORSE POWER (37–41)
PUMP COLUMN LENGTH (NEAREST FOOT) (43–47)

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)

+ ABOVE / − BELOW (49) LAND SURFACE (50–51) (NEAREST FOOT)

LOCATION OF WELL ON LOT

N — 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): Ralph Moore

SIGNATURE: [signature]

HEALTH