

# PERMIT

Tax ID - 04-351509 P 47474

## SEWAGE DISPOSAL SYSTEM

A 42817

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 4th

INDEX - TIME EXPIRED FOR

DATE 9/14/91

HOWARD COUNTY HEALTH DEPARTMENT

F.C.O.P.

BUREAU OF ENVIRONMENTAL HEALTH

COMPLIANCE

DATE SYSTEM APPROVED 11-20-91

461-9933

INDEXED 2/14 C. Williams / C.B.S.

INSPECTOR JEN

Paul Schissler/South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Camden Downs LOT 16 ROAD 15615 Camden Meadows Downs Court

PROPERTY OWNER S. F. Contractors, Inc. Peter Alexander

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

260 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 300

TRENCHES - Trench to be 2.0 feet wide. Inlet 5.0 feet below original grade. Bottom maximum depth 8.5 feet below original grade. Effective area begins at 5.0 feet below original grade 3.5 feet of stone below distribution pipe.

LOCATION - Starting from the front left lot corner, place the distribution box 235' down the left (592.05) lot line and 80 feet off the same lot line as seen when facing the lot from Camden Meadows Court. Run trenches on contour toward the right (486.02') and left (592.05') lot lines. Maintain a minimum of 100 feet from all nearby wells.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 2/27/91 R/H

PLANS APPROVED BY Jane E. Nadeau cm DATE 1/9/90

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.

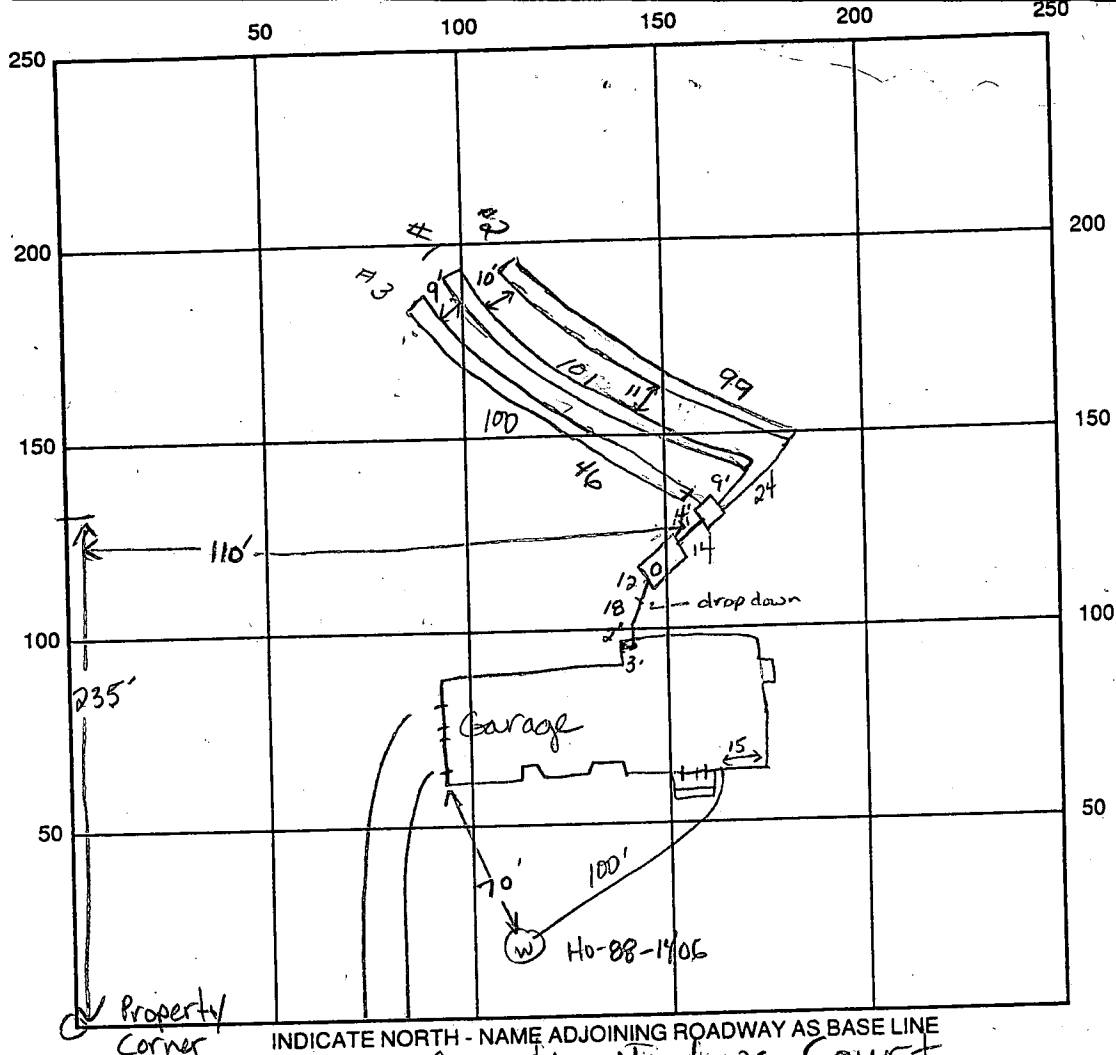
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

HD-260(6-90)

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

A 42817



SEPTIC TANK LEVEL 1500 gal CLEANOUTS 1 on septic tank

DISTRIBUTION BOX LEVEL at (with baffle)

DRAIN FIELD/TITLE DEPTH 

①	②	③
8.5	8.5	8.5

 FT. TRENCH WIDTH 2.0 FT. INLET DEPTH 

①	②	③
5	5	5

 FT.

EFFECTIVE GRAVEL DEPTH 

①	②	③
3.5	3.5	3.5

 FT. TOTAL LENGTH 

①	②	③
101	99	102

 FT.

NUMBER OF TRENCHES 3 ONE SIDEWALL BOTTOM AREA 

①	②	③
354	346	350

 SQ. FT.

DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.

ABSORBENT AREA 1050 SQ. FT.

REMARKS: 11-19-91 OK to cover septic tank and line to distribution box. OK to excavate trench and add stone, leaving ends open. JEN  
11-20-91 OK to cover trench #1 and add stone, pipe & paper to trenches #  
2 & 3 leaving ends open. JEN 11-20-91 OK to cover all work. JEN

DATE SYSTEM APPROVED 11-20-91 INSPECTOR Jane E. Madreau

# APPLICATION

PERCOLATION TESTING

A 42817

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 461-9933

DISTRICT 4th

DATE 8/16/88

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Garrie Lee Hutchins S.F. Contractors, Inc.

ADDRESS 830 Morgan Station Road, Woodbine MD 21797 PHONE 442-1737

PROSPECTIVE BUYER Potomac Development Company

ADDRESS 1015 Copperstone Ct., Rockville MD 20852 PHONE 424-6006

PROPERTY LOCATION:

SUBDIVISION Camden Downs LOT NO. 10 *Prelim*

ROAD AND DESCRIPTION Old Frederick Road and Morgan Station Road  
(15615 Camden Downs Court)

TAX MAP 8 PARCEL # 1

SIZE OF LOT 3.26 ACRES TYPE BLDG. SFD 4 Bedrooms  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMIT SIGNED  
AND RETURNED 8/20/91  
Serial # 39370 - SFD

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

*Gregory B. Powell*  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING 1-17-89 Pending perc hole locations and subdivision plat approval  
1-24-89 ADDITIONAL low holes on lot 15/16 TO EXPAND AREAS OK. RESUB OF LOT 15/16 TO MAKE 3 LOTS planned. Hold for PLAT before charging ADDITIONAL fee. Salwa

# THIS IS NOT A PERMIT

A 42817

(C)  
SOIL PROFILE

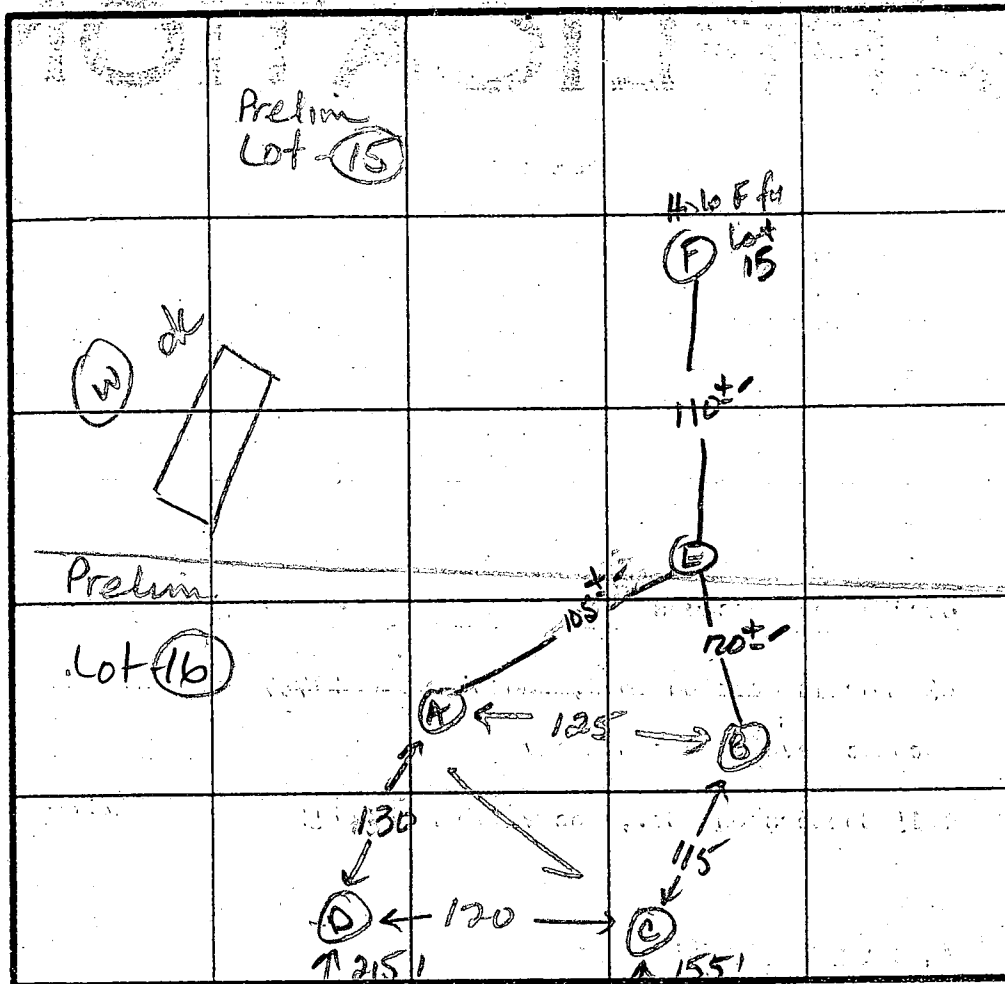
0-4 Red-br  
si cl  
lm  
4-13.5 Br sa  
si lm  
2 15%  
rx frags  
13.5 Bottom

(D) (B)

0-4.5 Yellow-br  
si cl lm  
4.5-13 Tan sa  
si lm  
trc of  
broken  
rx  
13.0 Bottom

(A)

0-5 Br si  
cl lm  
5-13.5 Tan sa  
si lm  
2 25%  
broken  
rx  
13.5 Bottom



Highest A  
B  
C  
Lowest C

X = 17min  
Inlet = 5.0 ft  
Bottom = 8.5 ft  
240 sq ft / bdrn

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1-17-89	C	6.0 S	2:44	2:58	2:58	3:15	17min
		13.5 D	Bottom - dry				ok
	D	13.0 V	Bottom - dry				ok
	A	6.0 S	3:40	3:55	3:55	4:24	29min ok
		4.0 S	2:54	3:10	1/4 inch	slow	Failed
		7.0 M	2:53	2:57	2:57	3:10	13min
		13.5 D	(Bottom - dry)				ok
	B	5.0 S	3:59	4:02	4:02	4:17	16min opposite side
		5.0 S	2:58	3:14	3/4 inch	slow	Failed
		13.0 D	(Bottom - dry)				ok
1/24/89	Lot-15 → E	4.5-14"	11:49	12:00	12:00	12:28	28min
			5. mile RT Profile C - Hole used to expand curb to allow for extra lot. SA				expand

REMARKS Holes as shown on plat.  
TYPE OF SOIL 0-6 Br si cl lm, 6-13.5 Tan sa si lm, 25% rx  
TESTED BY Jane E. Nadeau ALSO PRESENT Carol, Kenny, Phil

EH 12-1079



B 1 9457 SEQUENCE NO. (DP USE ONLY)  
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL  
please print or type

STATE PERMIT NUMBER  
HO-88-1406  
fill in this form completely

Date Received (APA) 050790  
OWNER INFORMATION  
CAMDEN DOWNS PARTNER  
10805 HICKORY RIDGE RD  
COLUMBIA MD 21044

B 3 LOCATION OF WELL  
HOWARD  
CAMDEN DOWNS  
SECTION 1 LOT 1E  
LISBON  
MILES FROM TOWN 2 MI

DRILLER INFORMATION  
FRANK DELPH  
FRANK DELPH WELL DRILLERS INC  
18234 PENN SHOP RD. MT. AIRY MD.  
Frank Delph 5-2-90

B 4  
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
NEAR WHAT ROAD Camden Meadows ct  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
DISTANCE FROM ROAD 50 FT

B 2 WELL INFORMATION  
APPROX. PUMPING RATE (GAL. PER MIN.) 5  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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

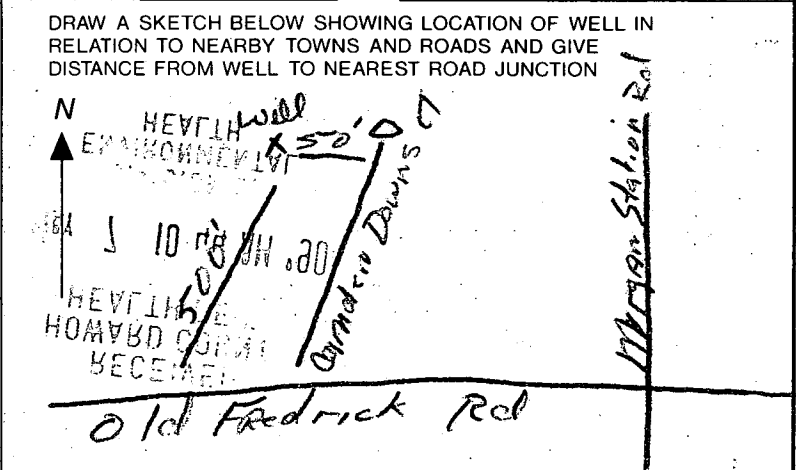
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
Howard A-42817  
COUNTY NAME COUNTY NO.  
DATE ISSUED 06/11/90 Mark E. P. Klein 12/11/90  
NORTH GRID 551000 EAST GRID 0785000

APPROXIMATE DEPTH OF WELL 200 FEET  
APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
SOURCES OF DRILLING WATER 1. well  
WRITE THE BOX NUMBER FROM THE MAP HERE  
7865  
5521

METHOD OF DRILLING (circle one)  
BORED (or Augered) JETTED Jetted & DRIVEN  
AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)  
CABLE REVerse-ROTary Drive-POINT

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 (OEP USE ONLY)  
APPROX. PERMIT NUMBER GAP  
FORCE 1A PERMIT No. HO-88-1406

SPECIAL CONDITIONS

C1 1607 SEQUENCE NO. (DENV USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 OF ALL CARDS)

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

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.  
 COUNTY NUMBER A-42817

ST/CO USE ONLY  
 DATE RECEIVED 050790  
 DATE WELL COMPLETED 061290

Depth of Well 205 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-88-1406

OWNER: Camden Downs Partners  
 STREET OR RFD: Camden Meadows Ct TOWN: Lisbon  
 SUBDIVISION: Camden Downs SECTION: 2 LOT: 100

**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	
Shale	2	20	
Brown Slate	20	30	✓
Blue Slate	30	50	
Brown Slate	50	55	✓
Blue Slate	55	140	
Brown Slate	140	145	✓
Black Slate	145	205	

**GROUTING RECORD**  
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES  NO   
 TYPE OF GROUTING MATERIAL  
 CEMENT  BENTONITE CLAY   
 NO. OF BAGS 3 NO. OF POUNDS 300  
 GALLONS OF WATER 45  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 0 ft. to 31 ft.

**CASING RECORD**  
 casing types insert appropriate code below  
 ST STEEL  
 CO CONCRETE  
 PL PLASTIC  
 OT OTHER

**MAIN CASING**  
 Nominal diameter top (main) casing (nearest inch) 1  
 Total depth of main casing (nearest foot) 35

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

**SCREEN RECORD**  
 screen type or open hole insert appropriate code below  
 ST STEEL  
 BR BRONZE  
 PL PLASTIC  
 HO OPEN HOLE  
 OT OTHER

**DEPTH (nearest ft.)**  
 1 110 170  
 2  
 3

SLOT SIZE 1 2 3  
 DIAMETER OF SCREEN (NEAREST INCH) 56 60

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.) W Q  
 70 72 74 75 76  
 TELESCOPE CASING LOG INDICATOR OTHER DATA

**C 3 PUMPING TEST**  
 HOURS PUMPED (nearest hour) 3  
 PUMPING RATE (gal. per min. to nearest gal.) 7  
 METHOD USED TO MEASURE PUMPING RATE Bucket  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING 30  
 WHEN PUMPING 95  
 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 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) 31 35  
 PUMP HORSE POWER 37 41  
 PUMP COLUMN LENGTH (nearest ft.) 43 47  
 CASING HEIGHT (circle appropriate box and enter casing height):  
 + above } LAND SURFACE  
 - below } (nearest foot) 49 51

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

THEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 28.04.04 "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. 453  
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)  
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

