

11/20/92 py
12/1/92 anytime

Tax ID - 04 - 350332

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

INDEX - TIME EXPIRED

P 48714

A 42104

DISTRICT 4th

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
~~461-9933~~ 313-2640

FOR F.C.O.P. COMPLIANCE
5/6/93 C. Williams / C. Bell

DATE 11/25/92

DATE SYSTEM APPROVED M. Rifkin

INDEXED

INSPECTOR 12/1/92

Frall Septic Service IS PERMITTED TO INSTALL ALTER

ADDRESS P. O. Box 659, Mt. Airy, Maryland 21771 PHONE 795-5674

SUBDIVISION Quail Meadow LOT 9 ROAD 16624 Böhner Court

PROPERTY OWNER Frall Developers (Oliver Turner)

ADDRESS _____

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 137 Linear Feet for 3 bedrooms.

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 7 feet below original grade. Effective area begins at 3 feet below original grade. 4 feet of stone below distribution pipe.

LOCATION - Starting from the left rear lot corner, start first trench 225' down the left lot line and 25' off the same lot line. Run trenches along contours toward rear of lot.

NOTE - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade, or above on septic tank. *OK 6/7/91 RH (1st Belg Permit)*
O/K 10/21/92 RH (2nd Belg Permit)

PLANS APPROVED BY Mark Rifkin cm DATE 04/10/91

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

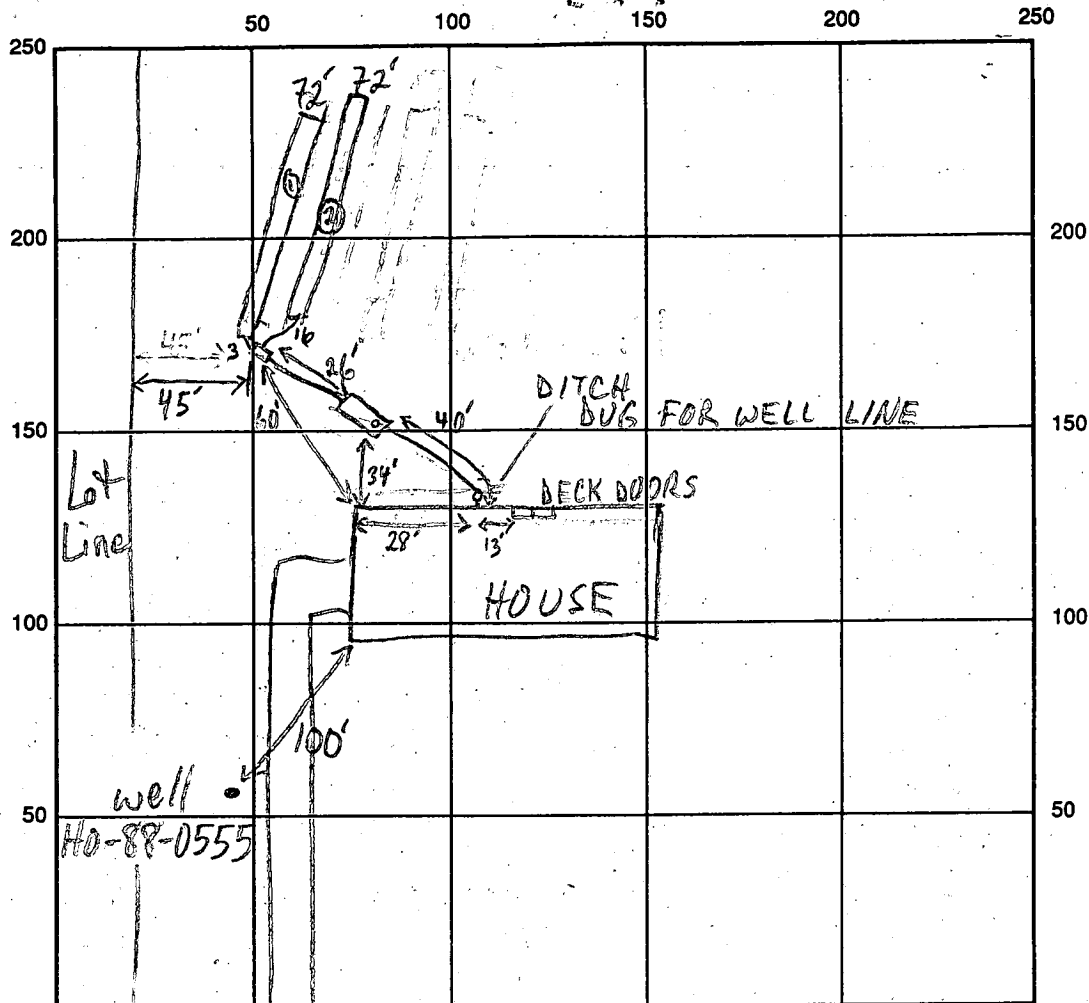
PERMIT VOID AFTER TWO YEARS

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**

A 42104



BANNER CT INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1000 GAL - OK CLEANOUTS INLINE & S.T. : OK

DISTRIBUTION BOX LEVEL OK BAFFLE IN

DRAIN FIELD/TITLE DEPTH 1 1/2 ~~2.5/2-2.5~~ FT. TRENCH WIDTH 2 FT. INLET DEPTH 1 1/2 ~~3/3~~ FT.

EFFECTIVE GRAVEL DEPTH 4 1/2 ~~4/4~~ FT. TOTAL LENGTH 2 @ 72' FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 2 @ 288 SQ. FT.

DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.

ABSORBENT AREA 576 SQ. FT.

REMARKS: 11/30/92 TRENCHES OK TO STONE MR
12/1/92 ALL WORK OK TO COVER; DITCH DUG FOR WELL LINE
UNDER SEWAGE PIPE, BUT CONTRACTOR TOLD THAT IS UNACCEPTABLE
(WELL LINE WOULD BE UNDER VERY HIGH SEWAGE PIPE); CONTRACTOR
WAS ADVISED TO RUN WELL LINE INTO FRONT OF HOUSE MR

DATE SYSTEM APPROVED 12/1/92 INSPECTOR M. Rifkin

APPLICATION

PERCOLATION TESTING

A 42104
P _____

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

DISTRICT 4TH
DATE 4/2/38

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 EDWARD J. AND PATRICIA KUNTZE Frail Developers Inc

ADDRESS 2828 FLORENCE ROAD, WOODBINE, MD. 21797 PHONE 795-1866
~~439-4069~~

PROSPECTIVE BUYER CARMAN ASSOCIATES

ADDRESS P.O. BOX 122, ELLICOTT CITY, MARYLAND 21043 PHONE 442-5613

PROPERTY LOCATION: N/S MD. ROUTE 144 APPROX 1300' EAST OF WATERVILLE ROAD

SUBDIVISION PROPERTY OF LAVINIA L. HOOD LOT NO. 9 on Final

ROAD AND DESCRIPTION COURT 'A' (16624 Bahner Court)

TAX MAP 7 PARCEL # 482

SIZE OF LOT 3 ACRES + TYPE BLDG SFD
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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.

[Signature]
CARMAN ASSOCIATES
GENERAL PARTNER
(SIGNATURE OF APPLICANT)

APPROVED BY Sidell FOR Dept. Director DATE 11-21-88

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10/25/88 Per Satisfactory - hold for perc. Saw

BLDG. PERMIT SIGNED _____ BLDG. PERMIT SIGNED _____
AND RETURNED 4/9/91 AND RETURNED 9/25/92
Serial # 4525 - SFD Serial # 45536 -
3 Bedrooms SFD - 3 Bedroom

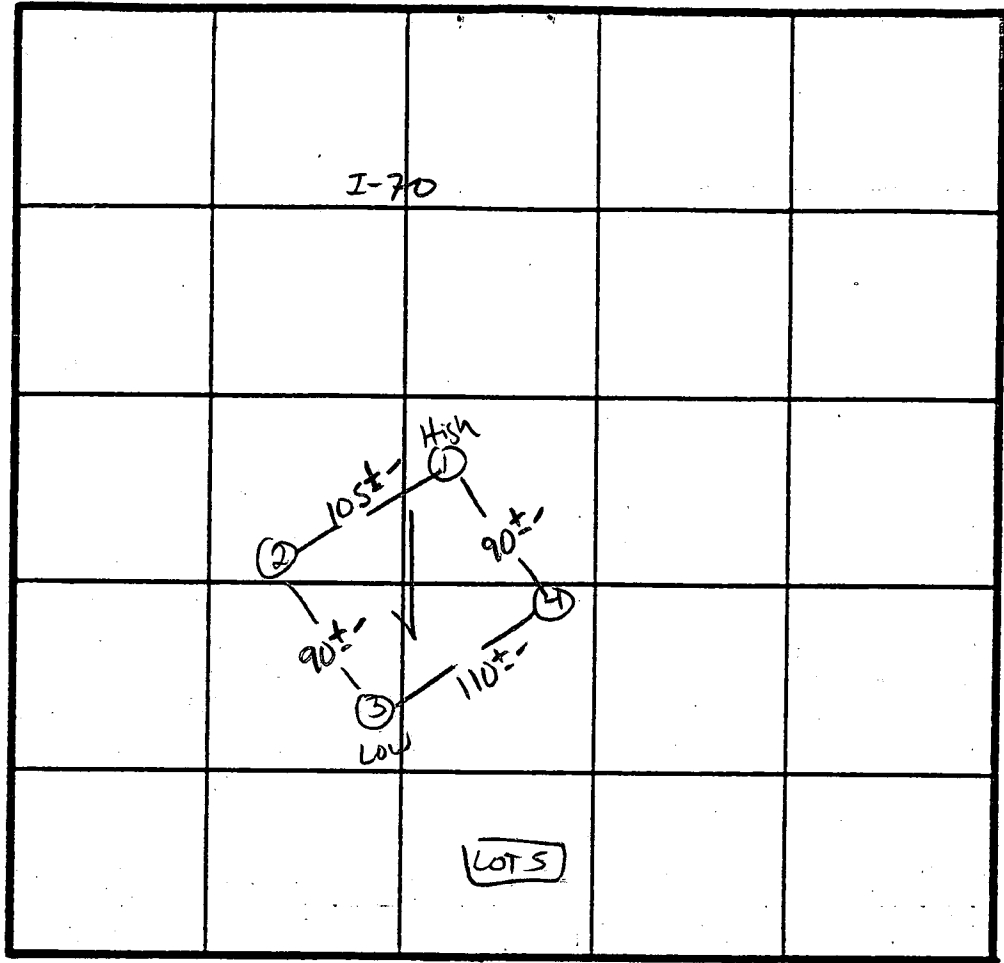
THIS IS NOT A PERMIT

HD-216

A-42104

SOIL PROFILE

0"	AD
6"	yellow Br Silt loam 10-15% Frags
3"	Yellow Br (Light) Silt loam 15-25% Frags
12"	



X Perc
6 min
180' dia
Inlet 3'
Bottom 7'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
R+144

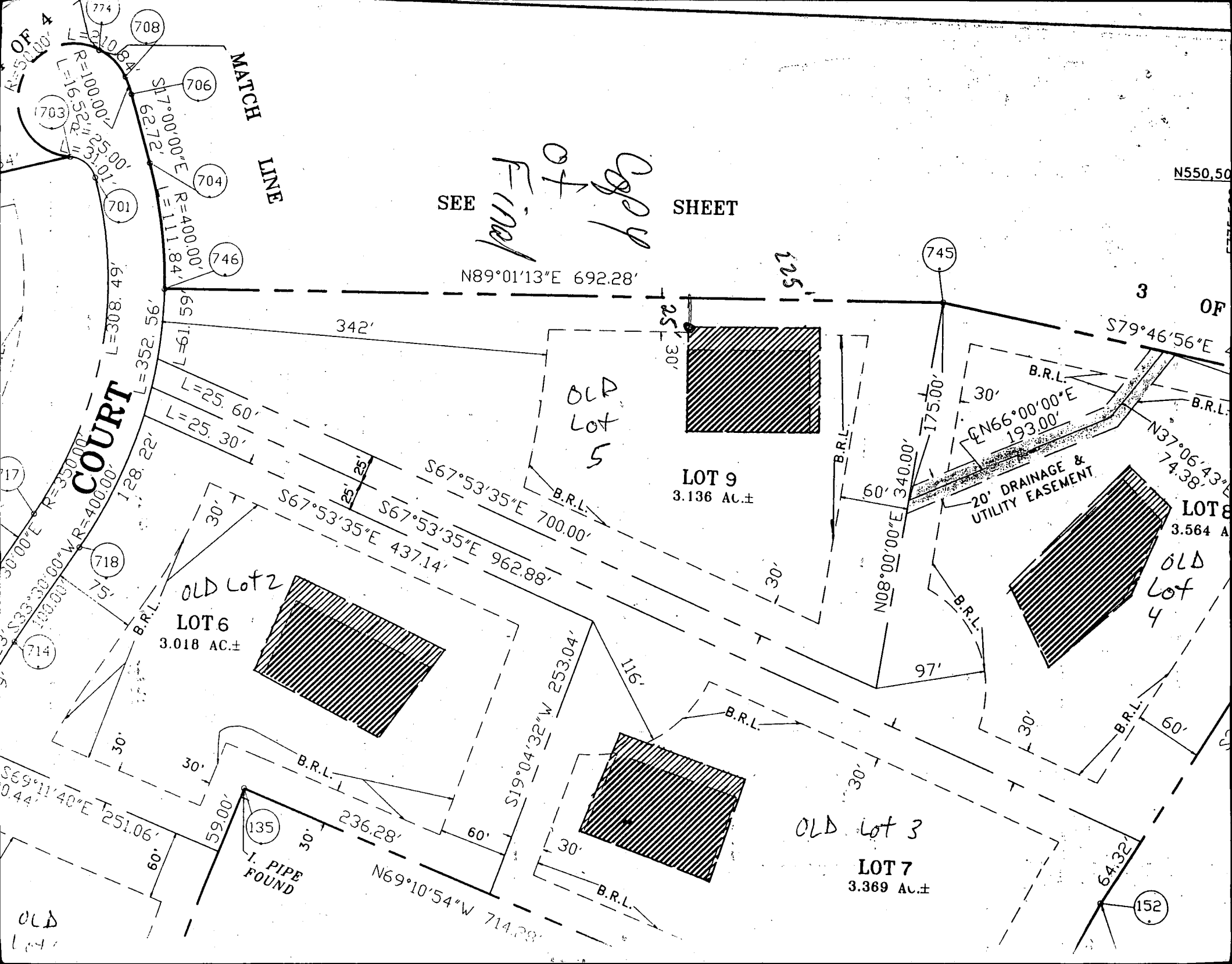
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME
			START	STOP	START	STOP	
10/25/88	1S	3"	1:37	1:39	1:39	1:43	4 min
	1V	12"	SIMILAR TO Profile		w/ MORE Brown Hor		
	2S	3"	1:39	1:41	1:41	1:49	8 min
		7.5"	1:37	1:40	1:40	1:48	8 min
	2V	12"	As profiled				
	3S	3"	1:44	1:46	1:46	1:50	4 min
		11.5"	FRAGS AT 35-45% AT 10"				
	4S	3"	1:50	1:51	1:51	1:54	3 min
		11.5"	SIMILAR TO # 3				

REMARKS Holes APPROX TO PEAT

TYPE OF SOIL M ANOR

TESTED BY S. Abel ALSO PRESENT Phil M. Rulky

C. Lisset, Andrus



N550.50

SEE SHEET
Final Copy

N89°01'13"E 692.28'

COURT

MATCH LINE

OLD Lot 5

LOT 9
3.136 AC.±

20' DRAINAGE & UTILITY EASEMENT

OLD Lot 2

LOT 6
3.018 AC.±

OLD Lot 4

LOT 8
3.564 A

OLD Lot 3

LOT 7
3.369 AC.±

I PIPE FOUND

OLD Lot 1

774
708
706
704
703
701
746
717
718
714

745

152

135

3

OF

125

25' 30'

342'

61' 56"

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L=352.56'

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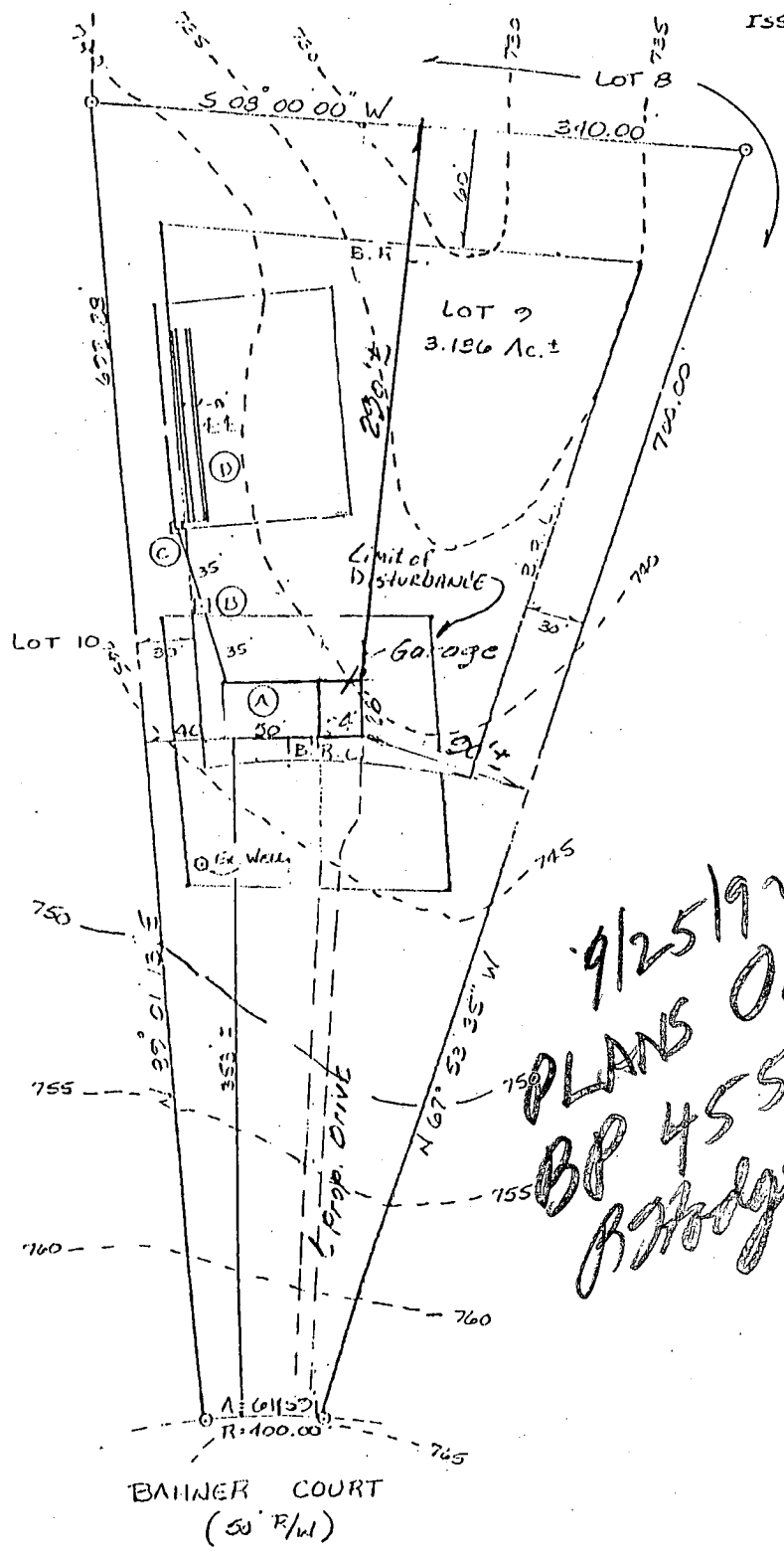
L=

(A) PROP. HOUSE
 FF. ELEV. = 750.4
 BSHT. ELEV. = 741.2
 INV. ELEV. = 740.7

(B) PROP. SEPTIC TANK
 EX. ELEV. = 742.8
 INV. IN = 740.4
 INV. OUT = 740.1

(C) PROP. LIME BOX
 EX. ELEV. = 742.5
 INV. ELEV. = 739.8

(D) PROP. TRENCHES
 INV. ELEV. = 739.5
 4" STONE, 7" BOT. MAX.
 LENGTH TO BE DETERMINED AT
 TIME OF SEPTIC PERMIT
 ISSUANCE.



9/25/92
 PLANS O.K.
 BP 45556
 [Signature]

Liberty Survey
 See Paper for BP 38125
 approved 6/4/91

PLOT PLAN
 LOT 9
 QUAIL MEADOW
 SITUATED ON BANNER COURT
 ELECTION DISTRICT No 4
 HOWARD COUNTY, MARYLAND
 SCALE: 1" = 100' MAY 1991

B 1 2226 SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

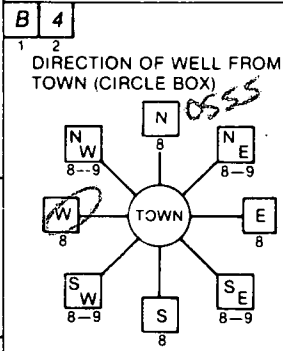
STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
 140-88-0555
 fill in this form completely

Date Received (APA) 0411289
 OWNER INFORMATION
 CARMAN ASSOCIATES
 Box 122
 ELLICOTT CITY MD 21043

B 3 LOCATION OF WELL
 HOWARD COUNTY
 CHAIRMAN'S
 SECTION 44 LOT 48
 LICKING NEAREST TOWN
 MILES FROM TOWN 1 1/2 MI

DRILLER INFORMATION
 Joseph L. Mayne 238
 Firm Name Joseph L. Mayne Well Drilling
 Address 5912 RIDGE RD. DH APT 1 2177
 Signature Joseph L. Mayne Date 4/10/89



Bahner Court
 NEAR WHAT ROAD
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 WEST, EAST, NORTH, SOUTH
 DISTANCE FROM ROAD 275 FT

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) 5
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 900

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 COUNTY NAME A-42104 COUNTY NO.
 STATE SIGNATURE INSERT S
 DATE ISSUED 041989
 CO SIGNATURE Sidney Abner 10-17-89 EXP. DATE
 NORTH GRID 550000 EAST GRID 0774000

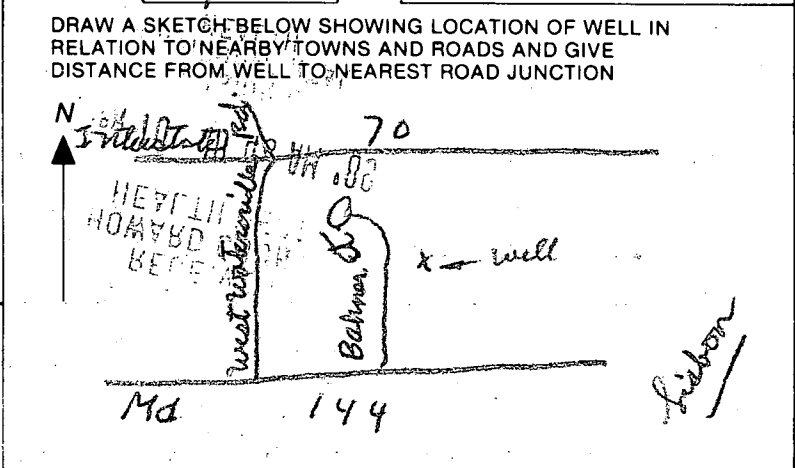
APPROXIMATE DEPTH OF WELL 260 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. WELL
 WRITE THE BOX NUMBER FROM THE MAP HERE
 E 774
 N 530

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 DEEPEN AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)



Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER GAP
 FORCE SA PERMIT No. 140-88-0555

SPECIAL CONDITIONS
 COUNTY

C1 2412 SEQUENCE NO. (DENV USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON 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 42104

DATE RECEIVED [] [] [] [] [] []
DATE WELL COMPLETED 080189

Depth of Well 305 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-88-0555

OWNER: CANNON ASSOCIATES
STREET OR RFD: last name CANNON first name PT TOWN LISBON
SUBDIVISION QUANT MEADOWS SECTION LOT 29

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	
Brown Shale	0	26	
Blue Rock	26	305	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES (Y) NO (N)
TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC)
CEMENT NO. OF BAGS 7 NO. OF POUNDS 652
GALLONS OF WATER 42
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 0 ft.

CASING RECORD
casing types insert appropriate code below
STEEL-CONCRETE (ST CO) PLASTIC OTHER (PL OT)
MAIN CASING TYPE 57
Nominal diameter top (main) casing (nearest inch) 6
Total depth of main casing (nearest foot) 32

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

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

DEPTH (nearest ft.)
EACH SCREEN SLOT SIZE 1 2 3
DIAMETER OF SCREEN (NEAREST INCH) 56 60

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 10.17.13 "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. 238
DRILLERS SIGNATURE Joseph P. Mays
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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)
TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST
HOURS PUMPED (nearest hour) 6
PUMPING RATE (gal. per min. to nearest gal.) 34
METHOD USED TO MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface) BEFORE PUMPING 48 WHEN PUMPING 270
TYPE OF PUMP USED (for test) A air C centrifugal J jet P piston R rotary S submersible T turbine O other (describe below)

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) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

