

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49218

A 42109

DISTRICT 4th

DATE 5/12/93

DATE SYSTEM APPROVED 6/1/93

INSPECTOR M. Rifkin

#### HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

### INDEXED

Frall Developers, Inc. IS PERMITTED TO INSTALL X ALTER

ADDRESS P. O. Box 659, Mt. Airy, Maryland 21771 PHONE 410 - 795-1866

SUBDIVISION Quail Meadow LOT 14 ROAD 16654 Bahner Court

PROPERTY OWNER Frall Developers Douglas Zimmerman

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1000 GALLONS

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

**BLDG. PERMIT SIGNED**  
**AND RETURNED 6-29-93**  
*Serial # 370 112690*  
*1-Car detached garage*

TRENCHES - 180 sq. ft. per bedroom. Trench to be 3 feet wide. Inlet 3 feet below original grade. Bottom maximum depth 5 feet below original grade. Effectiveness area begins at 3 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Starting from the right rear lot corner, start the first trench 300' down the right (390771') lot line and 85' off this same lot line. Run trenches on contour to left side 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. 01C 6/5/91 R11

PLANS APPROVED BY Mark Rifkin cm DATE 04/19/91

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.

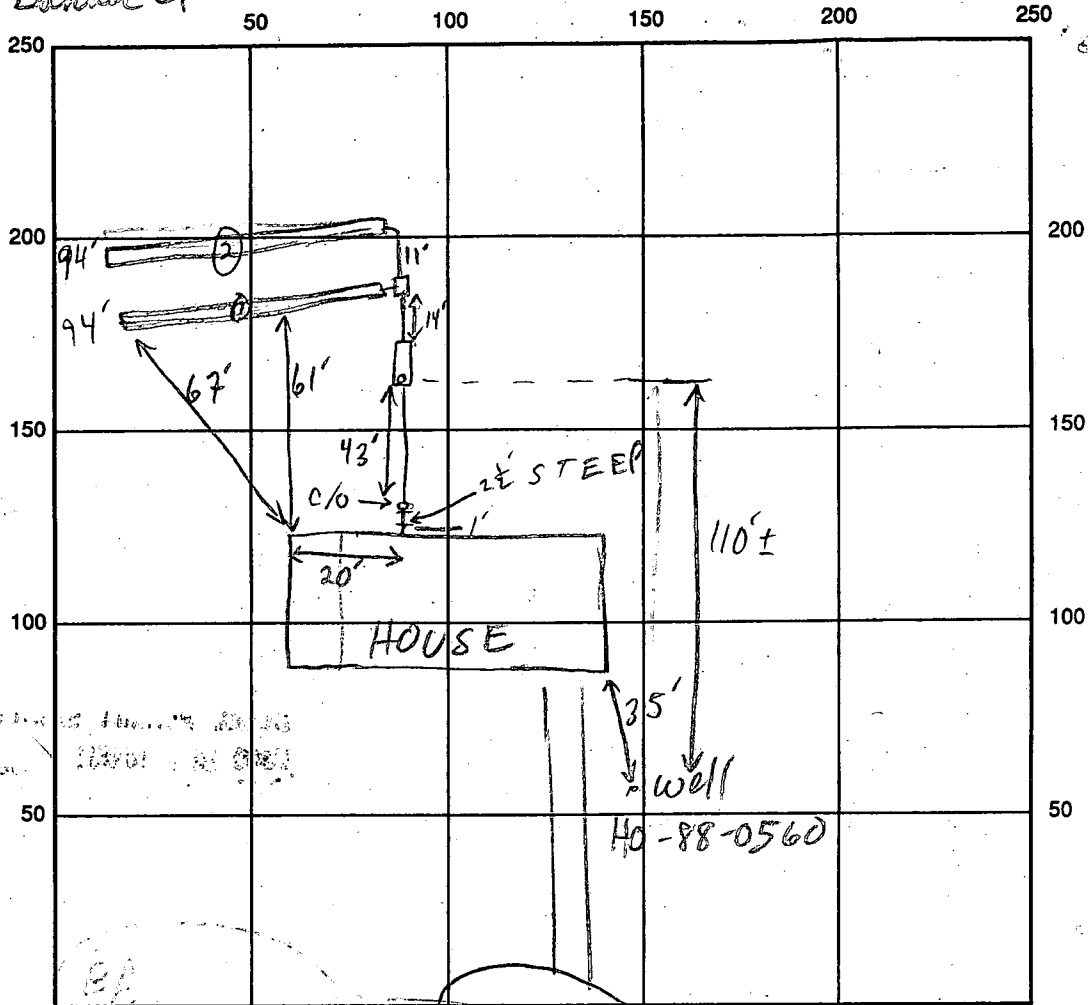
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

**BLDG. PERMIT SIGNED**  
**AND RETURNED 6-22-93**  
*Serial # 370 118470*  
*SUNCOON*

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

A  
49218  
60784

Quail Meadow lot 14  
16654 Banner Ct



INDICATE NORTH NAME ADJOINING ROADWAY AS BASE LINE

BAHNER CT

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

DISTRIBUTION BOX LEVEL OK - BAFFLE IN

DRAIN FIELD/TITLE DEPTH 5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 3 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 2 @ 94 FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 2 @ 282 SQ. FT.

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

ABSORBENT AREA 564 SQ. FT.

REMARKS: 6/1/93 OK TO COVER ALL MR

DATE SYSTEM APPROVED 6/1/93 INSPECTOR M. Ritkin

# APPLICATION

PERCOLATION TESTING

A 42109

P \_\_\_\_\_

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

DISTRICT 4TH

DATE 4/2/88

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 EDWARD J. AND PATRICIA KUNTZE Frall Developers Inc

ADDRESS 2828 FLORENCE ROAD, WOODBINE, MD. 21797 PHONE 795-1866  
~~434-4949~~

PROSPECTIVE BUYER CARMAN ASSOCIATES

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

PROPERTY LOCATION: N/S MD. ROUTE 144 APPROX 1200' EAST OF WATERSVILLE ROAD

SUBDIVISION PROPERTY OF LAVINIA L. HOOD LOT NO. X 14 on Final

ROAD AND DESCRIPTION COURT 'A' (16654 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 Sid Albul FOR Deep trenches DATE 11-21-88

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

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

REASONS FOR REJECTION OR HOLDING 10/25/88 Perc Satisfactory - Hold for Plat. Saw

BLDG. PERMIT SIGNED AND RETURNED 6/4/91  
Serial # 38163 - SFD  
3 Bedrooms

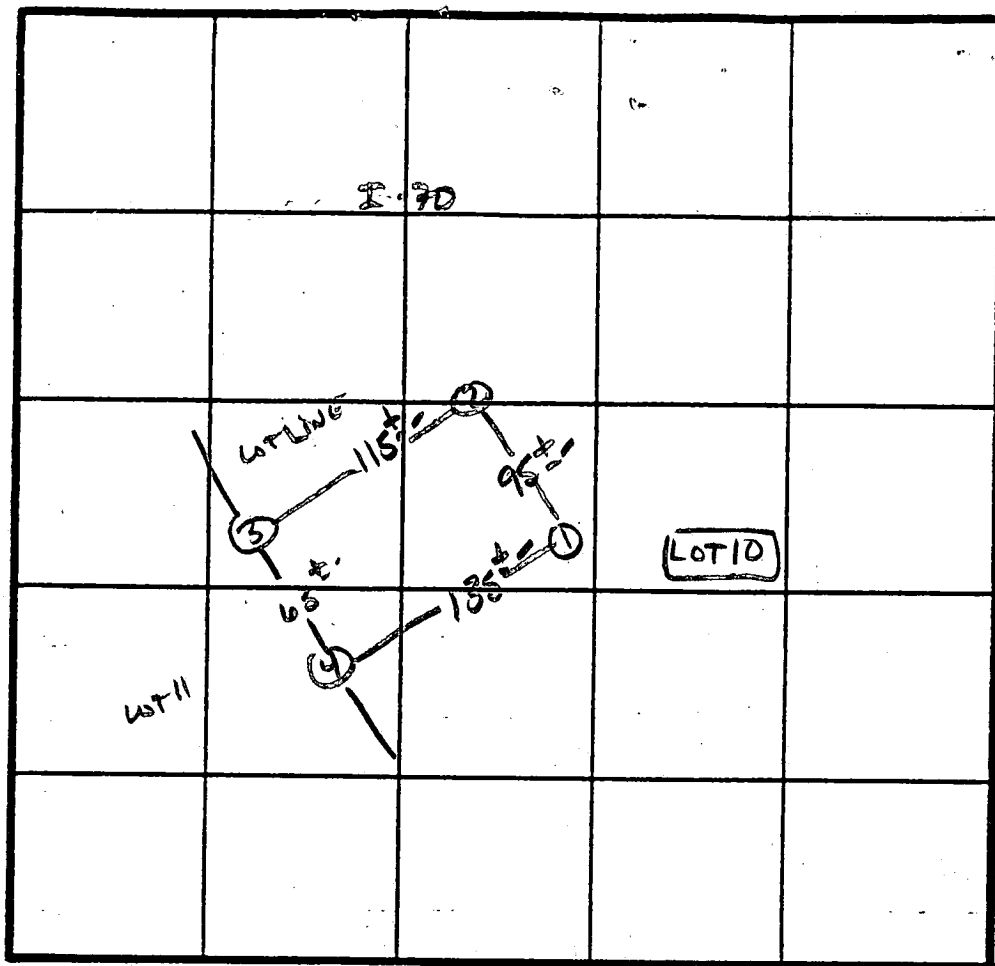
# THIS IS NOT A PERMIT

HD-216

A-42109

SOIL PROFILE

5" AP  
 Light Brown Silty loam (clayey)  
 15-25% Frag  
 2.5" Light Br. Silty loam  
 30-35% Frag  
 to 12"



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

R+144

X Perc  
 6 min  
 180 #/BR  
 Inlet 3.0'  
 Bottom 7.0'  
 Why 7' DEEP  
 w/30% Frag?

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/24/44	1S 1V	3.0" 12.5"	12:23	12:25	12:25	12:30	5 MIN
	2S 2V	3.5" 12"	12:27	12:33	12:33	12:42	9 MIN
	3S 3V	3.5" 12"	12:21	12:24	12:24	12:28	4 MIN
	4S 4M	3.5" 8.0"	12:23	12:25	12:25	12:30	5 MIN
	4V	11.5"	UNIFORM soil below 3.0'				3 MIN

3-5'

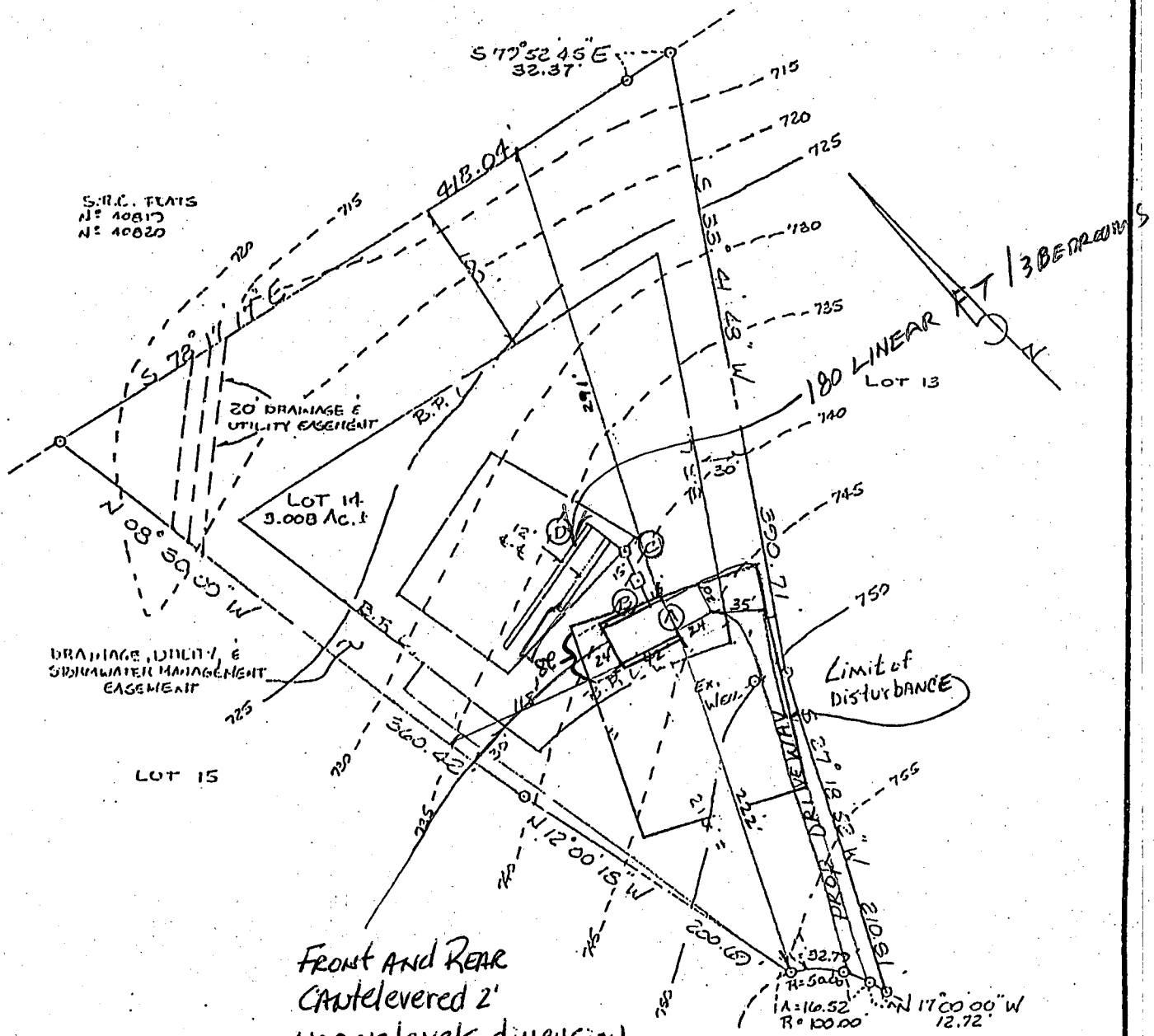
REMARKS Holes Approx Plat

TYPE OF SOIL Glenely

TESTED BY S. Abel

ALSO PRESENT Phil M. C. Cassel  
Ruby, Andrews

- (A) TRAP HOUSE  
F.F. ELEV. = 746.5  
RGHT. ELEV. = 738.5  
INV. ELEV. = 737.1
- (B) TRAP SEPTIC TANK  
EX. ELEV. = 740.8  
INV. IN = 736.9  
INV. OUT = 736.6
- (C) TRAP DIST. BOX  
EX. ELEV. = 737.1  
INV. ELEV. = 736.4
- (D) TRAP TRENCHES  
INV. ELEV. = 736.1  
2' STONE, 5' BOT. MAX.  
LENGTH TO BE DETERMINED  
AT TIME OF SEPTIC PERMIT  
ISSUANCE.



Front and Rear  
Cantilevered 2'  
Upper levels dimension  
28' x 42', foundation is  
24' x 42'

3/24/93  
PLANS 014  
BP 41778  
(Formerly  
BP 38163)

**3 BEDROOMS**

PLOT PLAN  
LOT 14  
QUAIL MEADOW  
SITUATED ON BANNER COURT  
ELECTION DISTRICT N° 4  
HOWARD COUNTY, MARYLAND  
SCALE: 1"=100' MAY 1991



I CERTIFY THIS PLAT TO BE CORRECT; IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

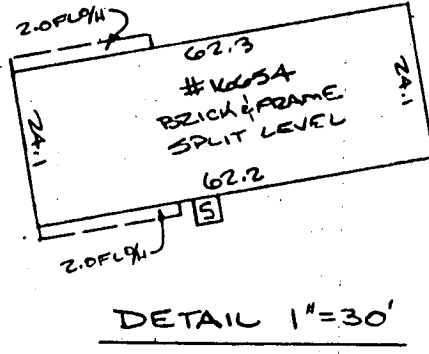
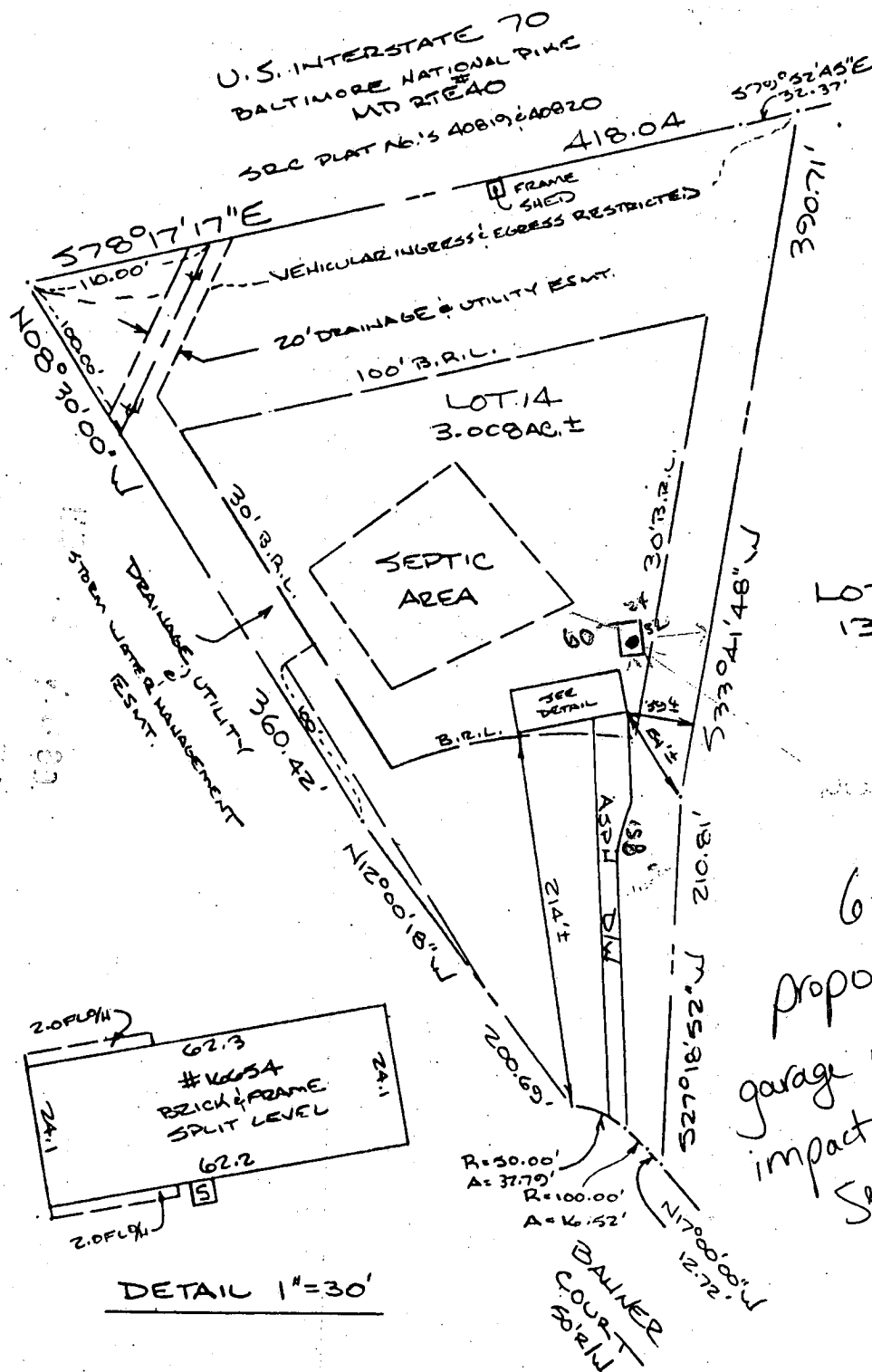
LIBERTY SURVEY, INC.  
3020 BUFFALO ROAD  
NEW WINDSOR, MARYLAND

REFERENCE	JOB NO.	301-875-2784	21776
PLAT N° 9355	91-04		

CASE No. 97LF-7353

NOTE: This location for title purpose only — not to be used for determining property lines. Property corner Markers Not guaranteed by this location.

FLOOD ZONE IC  
COMMUNITY PANEL #  
240044-0C0713  
(PANEL NOT PRINTED)



6.29.98  
Proposed detached  
garage will have no  
impact on well and  
septic as shown.  
*(KMO)*

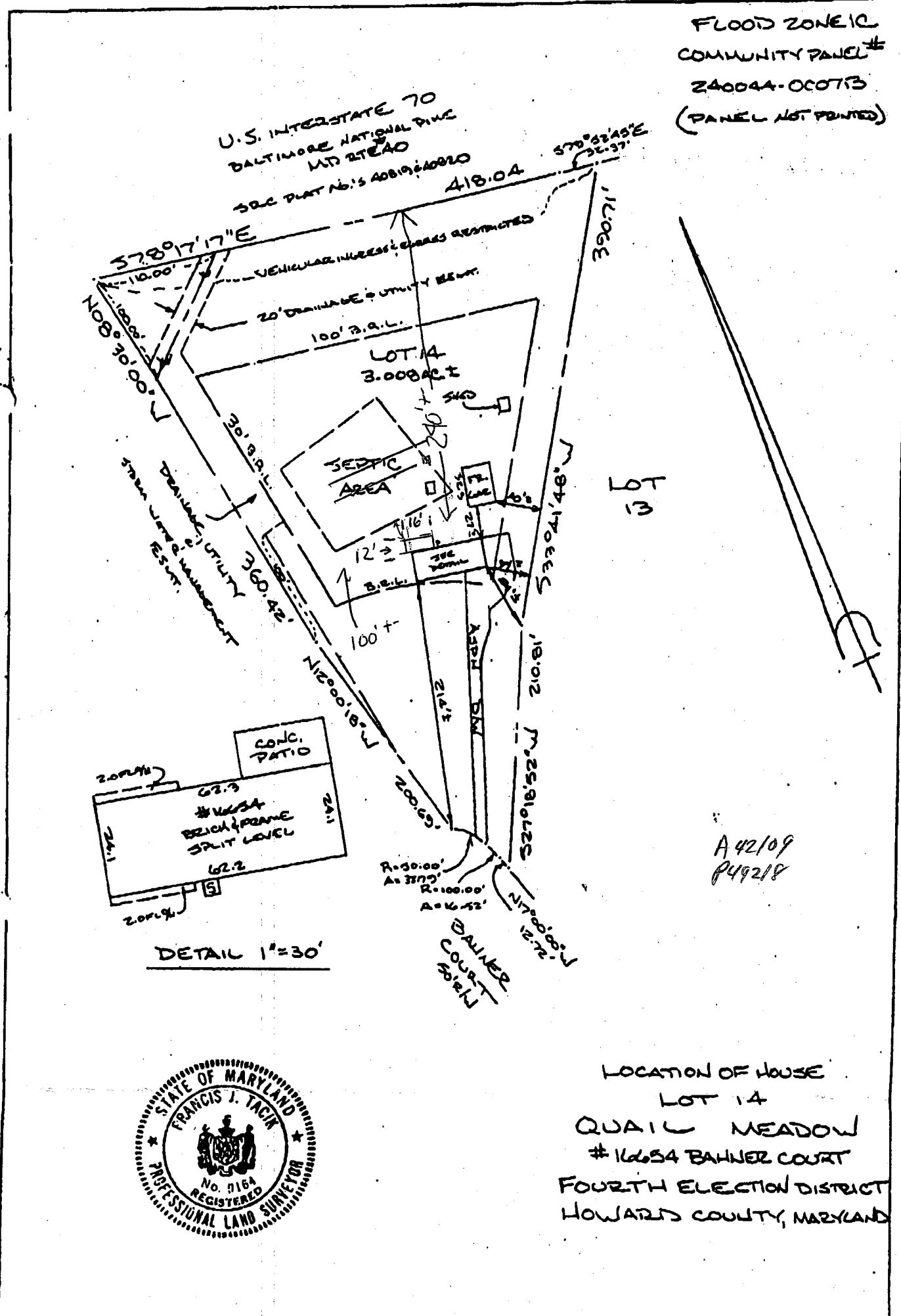
LOCATION OF HOUSE  
LOT 14  
QUAIL MEADOW  
#16654 BANNER COURT  
FOURTH ELECTION DISTRICT  
HOWARDS COUNTY, MARYLAND



<b>CERTIFICATE</b> I hereby certify that the property delineated hereon is in accordance with the Plat of Subdivision and/or deed of record, that the improvements were located by accepted field practices and include permanent visible structures and encroachments, if any.   TITLE REPORT NOT FURNISHED	<b>REFERENCES</b> PLAT BK. HOWARD CO. PLAT NO. 9355 LIBER FOLIO	<b>ZENITH SURVEYS</b> SURVEYING • PLANNING 200 DILL AVENUE • FREDERICK, MD. • 21701	
	DATE OF SURVEYS WALL CHECK HSE LOC 9-25-97 BOUNDARY	SCALE: 1" = 100' DRAWN BY: WHY JOB NO.: 97-1205	

CASE No. 97LF-7353

NOTE: This location for the purpose only — not to be used for determining property lines. Property corner Markers Not guaranteed by this location.



FLOOD ZONE 1C  
COMMUNITY PANEL #  
240044-0C0713  
(PANEL NOT PRINTED)

A 42/09  
P49218

DETAIL 1"=30'



LOCATION OF HOUSE  
LOT 14  
QUAIL MEADOW  
#16654 BANNER COURT  
FOURTH ELECTION DISTRICT  
HOWARDS COUNTY, MARYLAND

RECERTIFICATION 10-14-98

<b>CERTIFICATE</b> I hereby certify that the property delineated hereon is in accordance with the Plat of Subdivision and/or deed of record, that the improvements were located by accepted field practices and include permanent visible structures and encroachments, if any.   TITLE REPORT NOT FURNISHED	<b>REFERENCES</b> PLAT BK. HOWARD CO. PLAT NO. 97355	<b>ZENITH SURVEYS</b> SURVEYING • PLANNING 200 DILL AVENUE • FREDERICK, MD. • 21701	
	LIBER FOLIO	DATE OF SURVEYS WALL CHECK HSE LOC 97-25-97 BOUNDARY	SCALE: 1"=100' DRAWN BY: WHY JOB NO.: 97-1205

B 1 **2229** SEQUENCE NO. (DP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

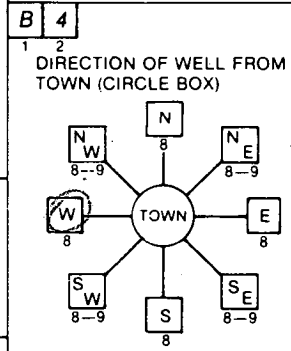
STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

STATE PERMIT NUMBER  
**HO-88-0560**  
 fill in this form completely

Date Received (APA) **041289**  
 OWNER INFORMATION  
**CARMAN ASSOCIATES**  
 Last Name Owner First Name  
**PO BOX 100**  
 Street or RFD  
**ELLICOTT CITY MD 21043**  
 Town State Zip

B 3 LOCATION OF WELL  
**HOWARD** COUNTY  
**GUIL MEADOWS** SUBDIVISION  
 SECTION **44** LOT **14**  
**LISKON** NEAREST TOWN  
 MILES FROM TOWN (enter 0 if in town) **1 1/2** MI

DRILLER INFORMATION  
**Joseph L. Wayne** License No. **038**  
**Joseph L. Wayne Well Drilling**  
 Firm Name  
**5512 RIDGE RD. Mt. Airy 21771**  
 Address  
**Joseph L. Wayne** Date **11/10/89**  
 Signature



**Bahma Court** NEAR WHAT ROAD  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 DISTANCE FROM ROAD **180** FT  
 ENTER FT or MI

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)  
 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  
**A 42109** COUNTY NO.  
 STATE SIGNATURE \_\_\_\_\_ INSERT S \_\_\_\_\_  
 DATE ISSUED **041889** CO SIGNATURE **Schulz** EXP. DATE **10-17-89**  
 NORTH GRID **550000** EAST GRID **0774000**

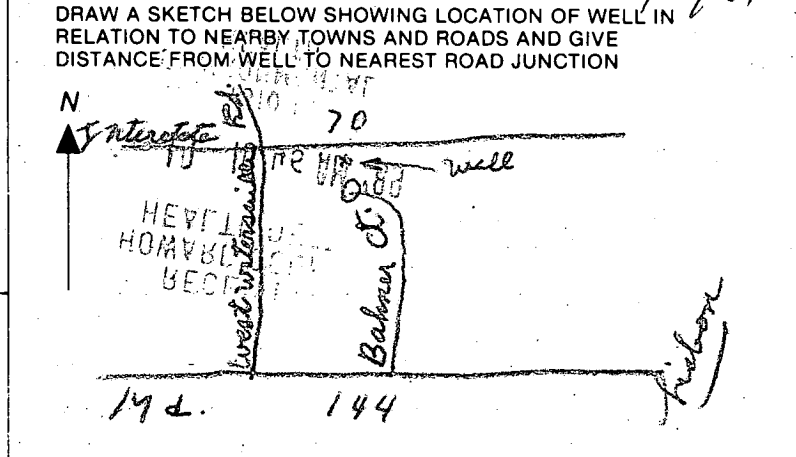
APPROXIMATE DEPTH OF WELL **260** FEET

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  
 other \_\_\_\_\_

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
 SOURCES OF DRILLING WATER  
 1. well  
 2.  
 3.  
 WRITE THE BOX NUMBER FROM THE MAP HERE  
 N **774**  
 E **5500**  
 7/24/89 10:30 3 BAGS IN DRY HOLE  
 24' OPEN TAG  
 6 BAGS OK  
 29' CASING OK  
 2 1/2' CASING A.G.  
 GROUT NOT OBS'D  
 MR 7/24/89

REPLACEMENT OR DEEPEMED 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 DEEPEM AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) \_\_\_\_\_



Not to be filled in by driller (OEPA USE ONLY)  
 APPROP. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_  
 FORCE **SA** WRITE INITIALS IN BOX PERMIT NO. **HO-88-0560**

C1 2417 SEQUENCE NO. (DENV USE ONLY)  
1 2 3 6  
(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-42109

DATE Received [ ] [ ] [ ] [ ] [ ] [ ] DATE WELL COMPLETED 092499 Depth of Well 275 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" HC-88-0560

OWNER BREMAN ASSOCIATES last name BREMAN first name BREMAN TOWN GREEN SUBDIVISION BRADY McCORMACK SECTION LOT 214

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  
Brown sand 0 24  
Blue rock 24 295

GROUTING RECORD  
WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N  
TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC  
CEMENT 45 46 BENTONITE CLAY 45 46  
NO. OF BAGS 6 NO. OF POUNDS 564  
GALLONS OF WATER 36  
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 24 ft.

CASING RECORD  
casing types insert appropriate code below  
STEEL ST CONCRETE CO  
PLASTIC PL OTHER OT  
MAIN CASING TYPE Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot)  
ST 2 29

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 BRONZE BR PLASTIC PL OTHER OT  
DEPTH (nearest ft.)

DEPTH (nearest ft.)  
EACH SCREEN 1 2 3  
1 10 29 295  
2  
3  
SLOT SIZE 1 2 3  
DIAMETER OF SCREEN [ ] [ ] [ ] (NEAREST INCH)  
56 60

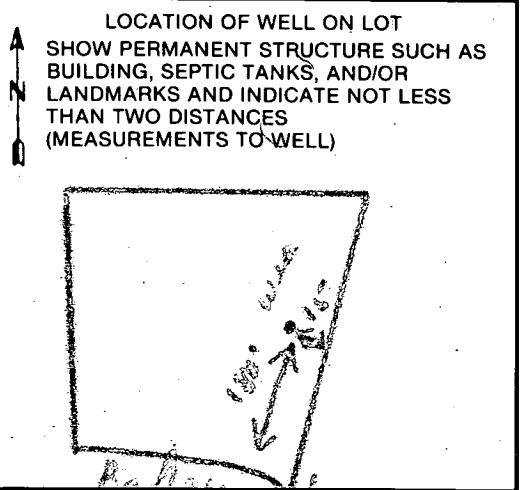
CIRCLE APPROPRIATE LETTER  
A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED  
E ELECTRIC LOG OBTAINED  
P TEST WELL CONVERTED TO PRODUCTION WELL

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. 937  
DRILLERS SIGNATURE [Signature]  
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

PUMPING TEST  
HOURS PUMPED (nearest hour) 2  
PUMPING RATE (gal. per min. to nearest gal.) 45  
METHOD USED TO MEASURE PUMPING RATE Bucket  
WATER LEVEL (distance from land surface) BEFORE PUMPING 39 WHEN PUMPING 175  
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 (nearest foot) - below }



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

COUNTY