

11/1/93  
1306-0  
slip for  
4/10 for  
clearance  
for  
HOUSE  
CONNECTION

03-314421

HOUSE CONNECTION N66267

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 49699

A 39569

DISTRICT \_\_\_\_\_

DATE 10/24/93

DATE SYSTEM APPROVED 5/12/94

INSPECTOR CW

**HOWARD COUNTY HEALTH DEPARTMENT**  
**BUREAU OF ENVIRONMENTAL HEALTH**  
XX-XXXXXX (410) 313-2640

# INDEXED

Fogle's Septic Clean, Inc. IS PERMITTED TO INSTALL  ALTER

ADDRESS 558 Obrecht Road, Sykesville, Maryland 21784 PHONE 795-5674

SUBDIVISION Crystal Clear LOT #11 ROAD 13900 Kennard Dr.

PROPERTY OWNER Dennis and Barbara Drenner

ADDRESS 6136 Regent Park Dr., Catonsville, MD 21228

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED \_\_\_\_\_

TRENCHES - Trench to be 2' wide. Inlet 3.5' below original grade. Bottom maximum depth 7.5' below original grade. Effective area begins at 3.5' below original grade. 4' of stone below distribution pipe.

LOCATION - Start the first trench 175' from the front lot line and 120' from the left lot line as seen when facing the property from Kennard Dr. Run trenches along contour toward Ryon Dr.

NOTES - No trench to exceed 100' in length. Provide 6"-8" diameter cleanout and cap to grade or above on septic tank. OK MR 10/21/93

PLANS APPROVED BY Craig Williams DATE 7/6/89

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

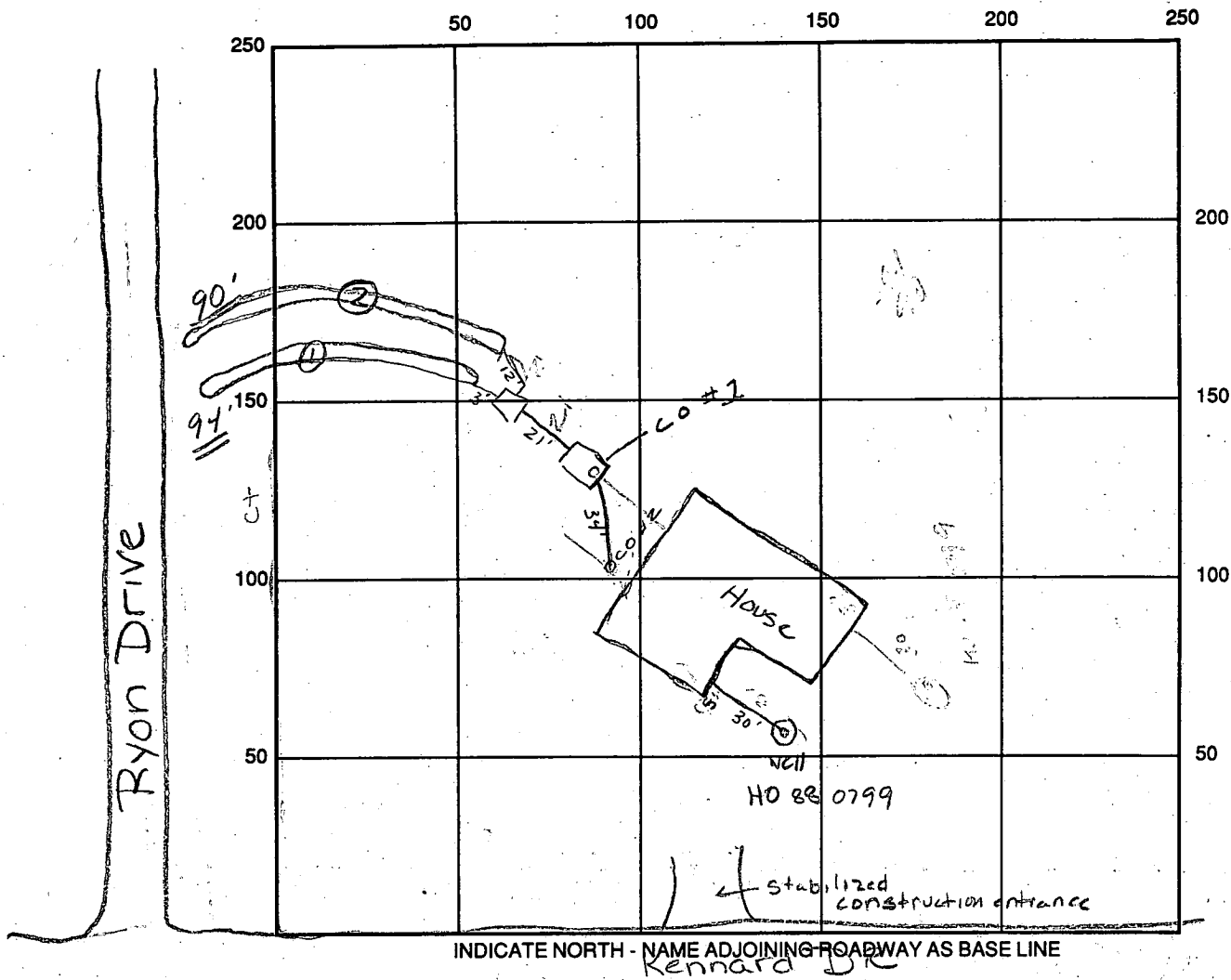
PERMIT VOID AFTER TWO YEARS

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  
39569



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
Kennard DR

SEPTIC TANK LEVEL OK 1250 gal CLEANOUTS #1 OK #2 OK  
 DISTRIBUTION BOX LEVEL OK baffle is in  
 DRAIN FIELD/TITLE DEPTH 7 1/2' FT. TRENCH WIDTH 2' FT. INLET DEPTH 3 1/2' FT.  
 EFFECTIVE GRAVEL DEPTH 4' FT. TOTAL LENGTH 94' FT. ⇒ 184'  
 NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 736 SQ. FT.  
 DRYWALL INSIDE DIAMETER \_\_\_\_\_ FT. EFFECTIVE DEPTH BELOW INLET \_\_\_\_\_ FT.  
 ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS: 11/1/93 Trenches (1)-(2) OK to fill w/ stone. Changing line from house to S.T. to reduce \$ ARM 11/2/93 OK to cover both trenches, DB. No house connection made ARM

BUI CO. 6X - CONFIRMS HOUSE CONNECTION - INSTALLATION APPROVED 5/12/94

11/1/93 No WPI ARM 11/2/93 WPI - OK to COVER ARM

DATE SYSTEM APPROVED 5/12/94 INSPECTOR Cwell

# APPLICATION

PERCOLATION TESTING

A 39569

P \_\_\_\_\_

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

7-23-87 Percs  
ok pending plat approval.  
JEN.

DISTRICT 5TH

DATE 6-12-87

*check well site - ok;*

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 Kenward Warfield Jr. Crystal Clear General Partnership  
670-9114

ADDRESS 14663 Tridelphia Rd Glenely 21737 PHONE 442-2337

PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:  
SUBDIVISION Crystal Clear LOT NO. LOT 11 Preliminary

ROAD AND DESCRIPTION West side Ivory Rd North side Tridelphia Rd  
(13910 Kenward Drive)  
(13910 KENNARD DRIVE)

TAX MAP 22 PARCEL # 533

BLDG. PERMIT SIGNED  
AND RETURNED 9/1/89  
Serial # 28939

SIZE OF LOT 3 ± acres TYPE BLDG. SFD 5 Bedrooms with  
(SINGLE FAMILY DWELLING OR COMMERCIAL) Garage disposal

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.

*Mal S. Kei*  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 7-23-87  
for perc hole location and subdivision plat  
approval. Make sure well site exists on lot. JEN

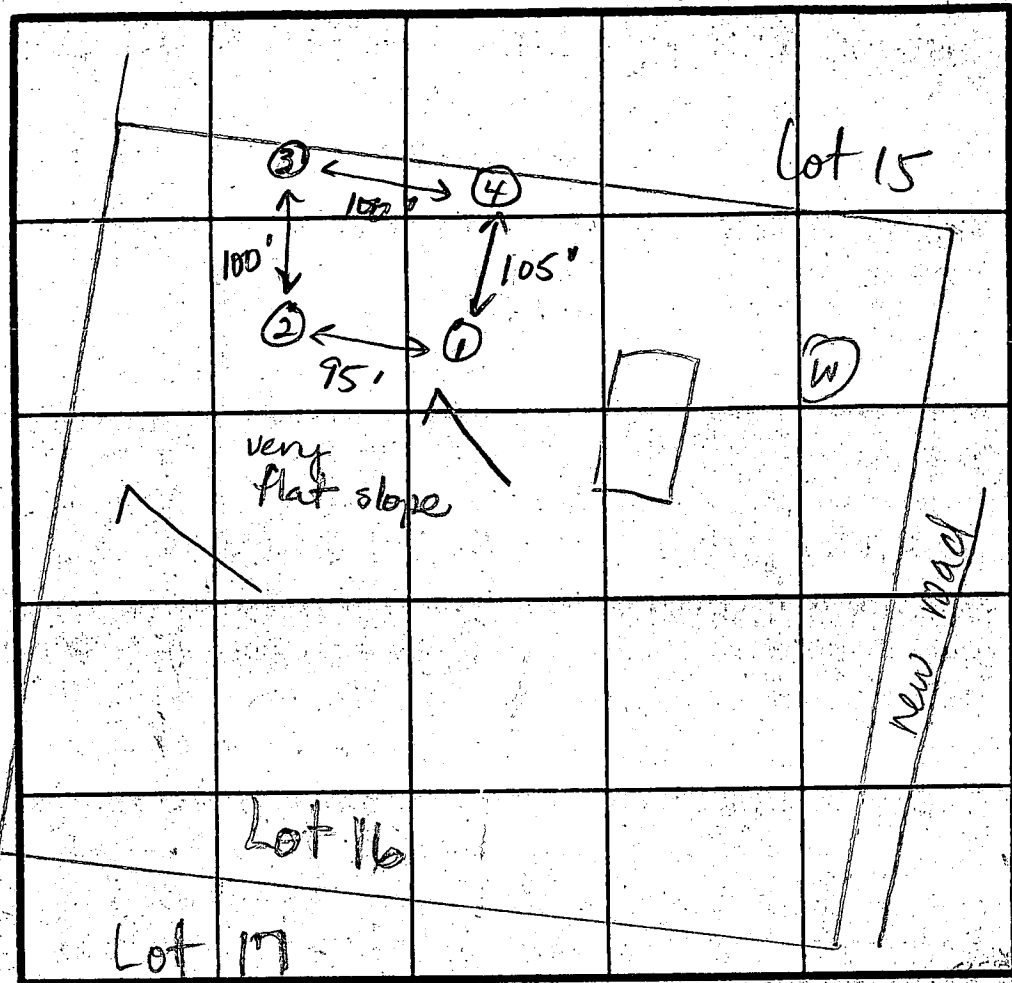
BLDG. PERMIT SIGNED  
AND RETURNED 10/6/89  
Serial # 50737-SFD-4Bmm

# THIS IS NOT A PERMIT

1-2 High  
4 ↓  
3 Low

①  
SOIL PROFILE

0-3.5 Rd-br  
cl si  
lm  
3.5-11.5 Rd-br  
si lm  
trc broken  
rx frags  
L 10%  
11.5 Bottom



④  
0-3.5 DK br  
si cl  
lm  
3.5-11.5 Rd br  
cl si  
lm,  
some  
decomp  
saprolite  
L 40%  
11.5 Bottom

iper  
Specs  
Invert @ 4.0'  
3.2' BK - ~~10~~ stone?  
Per @ was  
slower  
12:12<sup>1/2</sup> bottoms

②

0-3.5 DK br si  
cl lm  
3.5-12.5 Rd-br  
cl si,  
trc of  
gravel  
12.5 Bottom

③

0-3.0 DK br  
si cl  
lm  
3-12 Pink sa  
si lm,  
trc gvl  
12.0 Bottom

INDICATE NORTH - NAME-ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-23-07	1	3.5 S	12:00	12:02	12:02	12:05	3
		6.5 M	12:00	12:02	12:02	12:05	3
		11.5 D	Bottom (see profile)				
	2	3.5 S	12:07	12:09	12:09	12:14	5
		12.5 D	Bottom (see profile)				
	3	6.0 S	12:10	12:13	12:13	12:16	3
		12.0 D	Bottom (see profile)				
	4	15.0 S	12:40	12:50	12:50	1:12	22
		11.5 D	Bottom (see profile)				

REMARKS All perc holes per plat location  
 TYPE OF SOIL 0-3.5' DK br si cl lm, 3.5'-12' Rd-br cl si lm, little broken rx frags  
 TESTED BY JE Nadeau ALSO PRESENT Mark R. Olen Jr. L 40%

EH 12-107

# APPLICATION

PERCOLATION TESTING

A 39568

P \_\_\_\_\_

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

7-23-87  
Percolation per plat  
approval JED

DISTRICT 5<sup>TH</sup>

DATE 6-12-87

*check well site, very tight, near same el at septic.*

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 Kennard Warfield Jr.

ADDRESS 14663 Tridelphia Rd Glenely 21737 PHONE 442-2337

PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:  
SUBDIVISION Crystal Clear LOT NO. 15 *Not used on preliminary*

ROAD AND DESCRIPTION West side Ivory Rd North side Tridelphia Rd

TAX MAP 22 PARCEL # 533

SIZE OF LOT 3 1/2 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.

*M. A. New*  
(SIGNATURE OF APPLICANT)

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

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

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

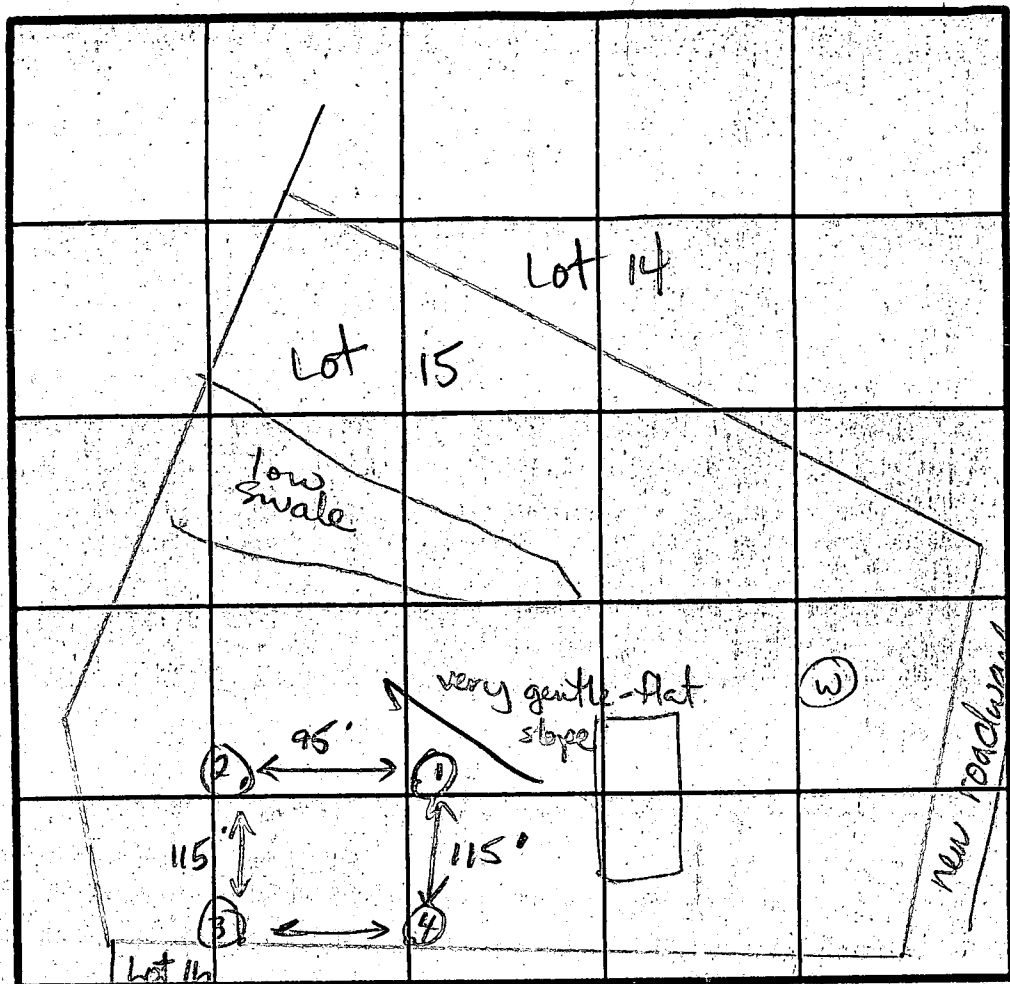
REASONS FOR REJECTION OR (HOLDING) 7-23-87 for perc hole location and subdivision plat approval, Make sure well site exists on lot JED

# THIS IS NOT A PERMIT

For 3 & 4  
pores see  
Lot 16

4-10' High  
↓  
low

SOIL PROFILE  
0-20 Rd-br si  
cl lm  
2-6 Rd br  
si lm  
6-12 Tan sa  
si lm,  
little  
weathered  
rx frags  
L 30%



12.0 Bottom  
①

0-3.5 Rd-br  
si cl lm  
3.5-7.0 Br si  
lm  
7.0-11.0 Tan sa  
si lm,  
trc gvl  
11.0 Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE  
TO IVORY RD ↓

Specs  
invert at 4.0'  
3 1/2 4'-10' stone?  
Perc ① was  
slower.  
12' bottoms

DATE	TEST NO.	DEPTH	PRE-WET		TEST 1" DROP		TIME	
			START	STOP	START	STOP		
7-23-87	2	5.0 S	12:23	12:25	12:26	12:30	4	
		12.0 D	Bottom (see profile)					
	1	4.0 S	12:33	12:37	12:37	12:43	6	
		7.0 M	12:37	12:35	12:35	12:38	3	
		11.0 D	Bottom (see profile)					

REMARKS: All holes located per plat.  
TYPE OF SOIL: 0'-3' Rd-br si cl lm, 3'-12' Tan to pink sa si lm, trc gvl  
TESTED BY: J.E. Nadeau  
ALSO PRESENT: Mark R. Olen Jr.

9971

SEQUENCE NO. (DENV. USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER A39569

DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED grid

DATE WELL COMPLETED grid

Depth of Well grid

PERMIT NO. grid

OWNER STREET OR RFD last name first name TOWN SUBDIVISION SECTION LOT

WELL LOG table with columns: DESCRIPTION, FEET FROM, FEET TO, Check if water bearing

GROUTING RECORD form: WELL HAS BEEN GROUTED, TYPE OF GROUTING MATERIAL, NO. OF BAGS, NO. OF POUNDS

CASING RECORD form: casing types insert appropriate code below, MAIN CASING TYPE, Nominal diameter, Total depth

OTHER CASING (if used) diameter, depth (feet) from to

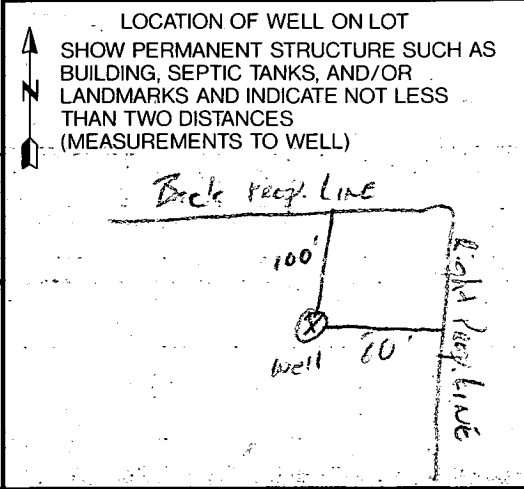
SCREEN RECORD form: screen type or open hole, insert appropriate code below, DEPTH (nearest ft.)

SLOT SIZE, DIAMETER OF SCREEN (NEAREST INCH)

GRAVEL PACK, IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

PUMPING TEST form: HOURS PUMPED, PUMPING RATE, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL, BEFORE PUMPING, WHEN PUMPING, TYPE OF PUMP USED

PUMP INSTALLED form: DRILLER WILL INSTALL PUMP, TYPE OF PUMP INSTALLED, CAPACITY, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT, LAND SURFACE



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"

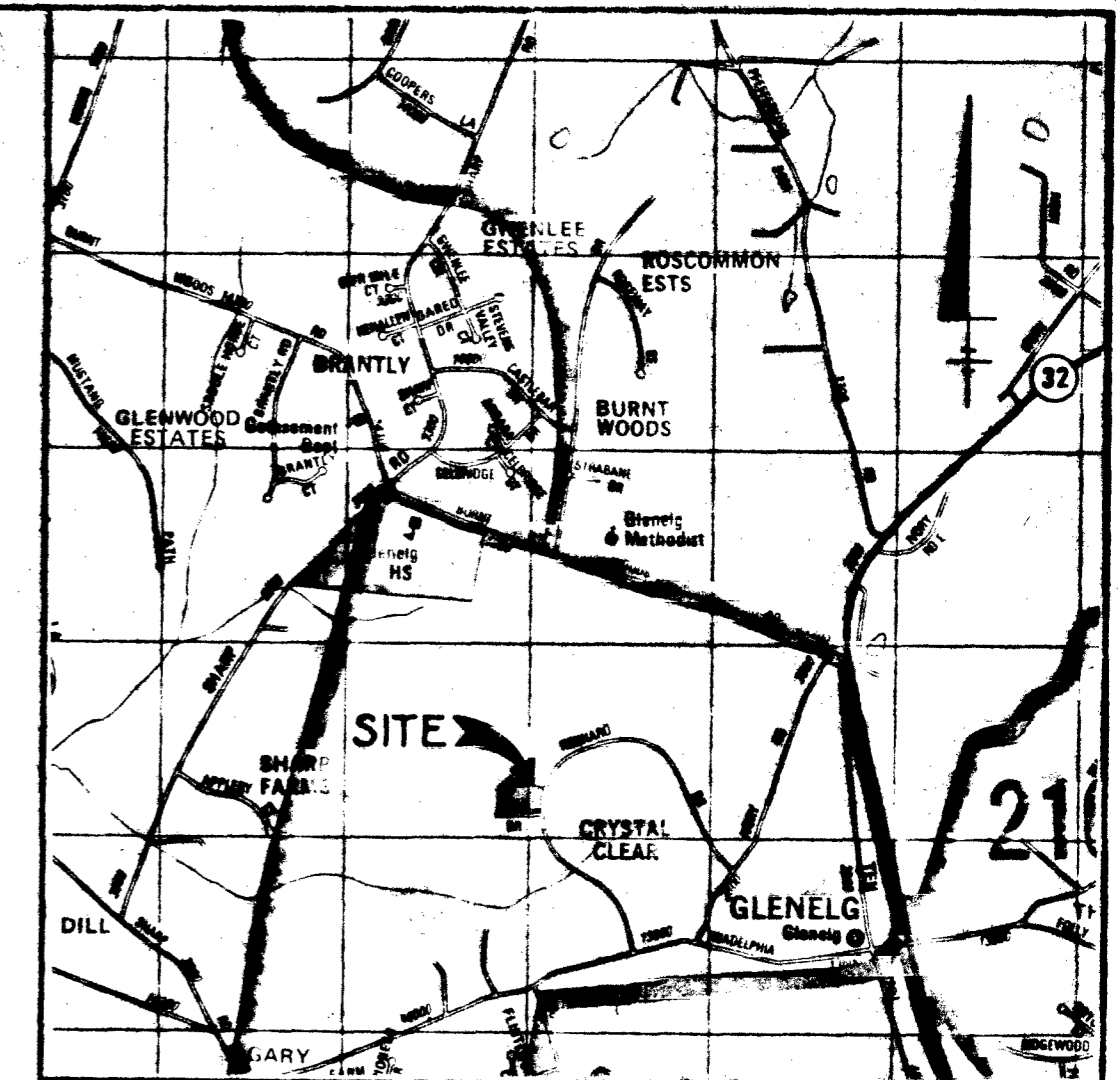
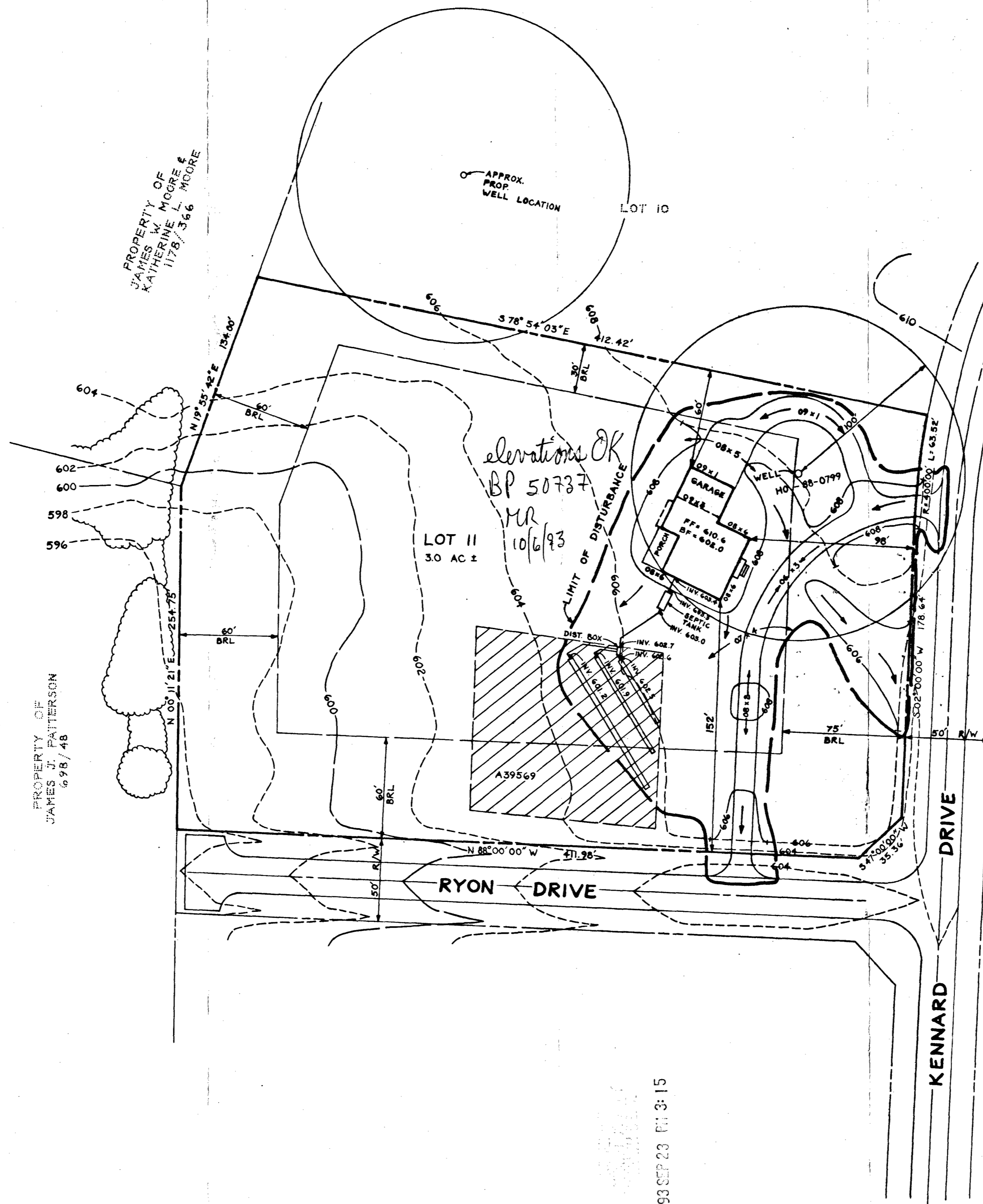
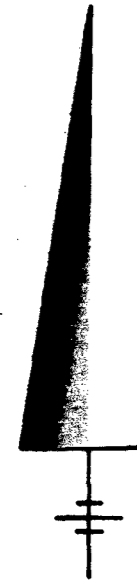
DRILLERS IDENT. NO., DRILLERS SIGNATURE

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.), W Q

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

COUNTY



VICINITY MAP  
SCALE: 1"=2000'

NOTES:

- 1) THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQ. FT. +/- AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT PLAN SHALL NOT BE NECESSARY.
- 2) SUBJECT PROPERTY ZONED RC PER 8/2/1985 COMPREHENSIVE ZONING PLAN.
- 3) ALL EXISTING WELL AND SEPTICS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
- 4) EXACT LENGTH OF SEPTIC TRENCHES TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.



PLOT PLAN  
CRYSTAL CLEAR  
LOT II

TAX MAP No. 22 PARCELS 533  
PLAT No. 8444  
3RD ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' DATE: SEPT. 16, 1993

T.S.A. GROUP INC.  
8480 BALTIMORE NATIONAL PIKE, SUITE 418  
ELLCOTT CITY, MARYLAND 21043  
(410) 465-6105

93 SEP 23 PM 3:15



B 1 **9167** 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-88-0799**  
 70 fill in this form completely 79

Date Received (APA) **052589**  
 OWNER INFORMATION  
**GOSHEN LAND CO INC**  
 15 Last Name Owner First Name 34  
**21006 BRINK CT**  
 36 Street or RFD 55  
**BAITHERSBURG MD 20879**  
 57 town 70 State 72 Zip 76

B 3 LOCATION OF WELL **R 44396**  
**HOWARD** (330) 5/25/89  
 8 COUNTY 21  
**CRYSTAL CLEAR**  
 23 SUBDIVISION 42  
 SECTION   LOT **11**  
 44 46 48 50  
**GLENELG**  
 52 NEAREST TOWN 71  
 MILES FROM TOWN (enter 0 if in town) **1** M I  
 73 76 77 78

DRILLER INFORMATION  
**George F. Easterday** **40**  
 Driller's Name 77 License No. 80  
**L. Franklin Easterday, Inc.**  
 Firm Name  
**9205 Brown Church Rd., Mt. Airy, Md. 21771**  
 Address  
**George F. Easterday** **5-24-89**  
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  
  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH  (N)  
 WEST  (W) EAST  (E)  
 SOUTH  (S)

**13900 RYON DR**  
 11 NEAR WHAT ROAD 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH  (N)  
 WEST  (W) EAST  (E)  
 SOUTH  (S)  
 34 **200** 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** **A 39569**  
 COUNTY NAME COUNTY NO.  
 STATE SIGNATURE \_\_\_\_\_ INSERT S   
 DATE ISSUED **063089** **Craig Williams** 12/30/89  
 43 48 CO SIGNATURE EXP. DATE  
 NORTH GRID **522000** EAST GRID **0800000**  
 50 55 57 63

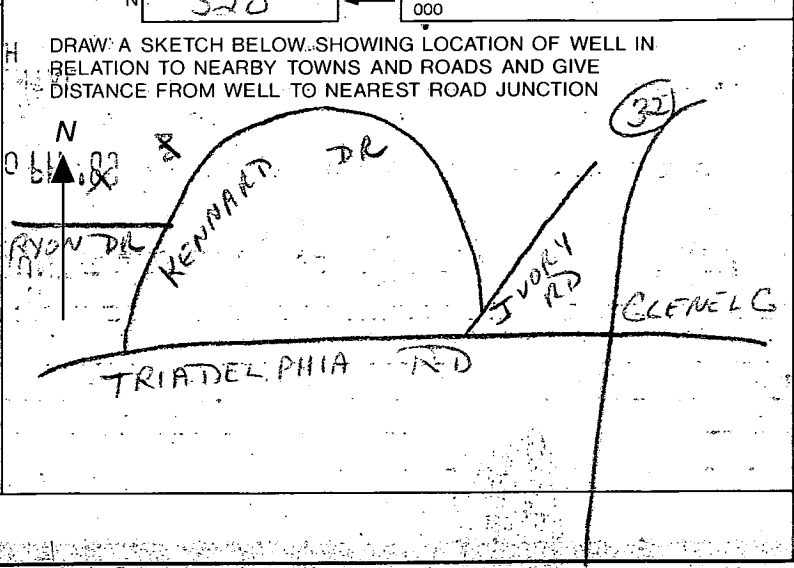
APPROXIMATE DEPTH OF WELL **200** FEET  
 24 28

APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

METHOD OF DRILLING (circle one)  
 BORED (or Augered) JETTED Jetted & DRIVEN  
 AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)  
 30 37  
 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  
 E **800 0**  
 N **520 2**  
 X  
 000  
 000

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) 41 \_\_\_\_\_ 52 \_\_\_\_\_



Not to be filled in by driller (OEP USE ONLY)  
 APPROP. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_  
 54 63  
 FORCE **CW** WRITE INITIALS IN BOX PERMIT No. **HO-88-0799**  
 67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS