

9/21/84  
A.M.S. P.M.  
Smart

W.P.T. - 9/21/84

approved  
9/21/84  
C. Williams

# PERMIT

P 34374  
A 27384

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
992-2330

04-341686

INDEXED

ELLICOTT CITY

DISTRICT 4th

DATE 9/18/84

New World Homes IS PERMITTED TO INSTALL  ALTER

ADDRESS 15775 Route 144, Lisbon, Maryland 21765 PHONE 442-1097

SUBDIVISION Kogan Trust ROAD 18141 New Cut Road LOT 6

PROPERTY OWNER Charles Roberts

ADDRESS 14880 Old Frederick Road  
Woodbine, Maryland 21797

IF GARBAGE GRINDER IS USED INCREASE SEPTIC TANK CAPACITY BY 50% AND ABSORPTION AREA BY 22%.

GARBAGE GRINDER? YES  NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 200 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 with 4 feet of stone below distribution pipe. LOCATION: Run first trench along contour through a point that is 150 feet from the front lot line and 100 feet from the right lot line as seen when facing the property from New Cut Road. Additional trenches as necessary to be parallel to first trench and at least 12 feet separate from one another. NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Trenches to be installed on level ground. Call for inspection of trench before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY C. Williams DATE 9/17/84

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 40 PVC OR ABS.

PERMIT VOID AFTER THREE 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 PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

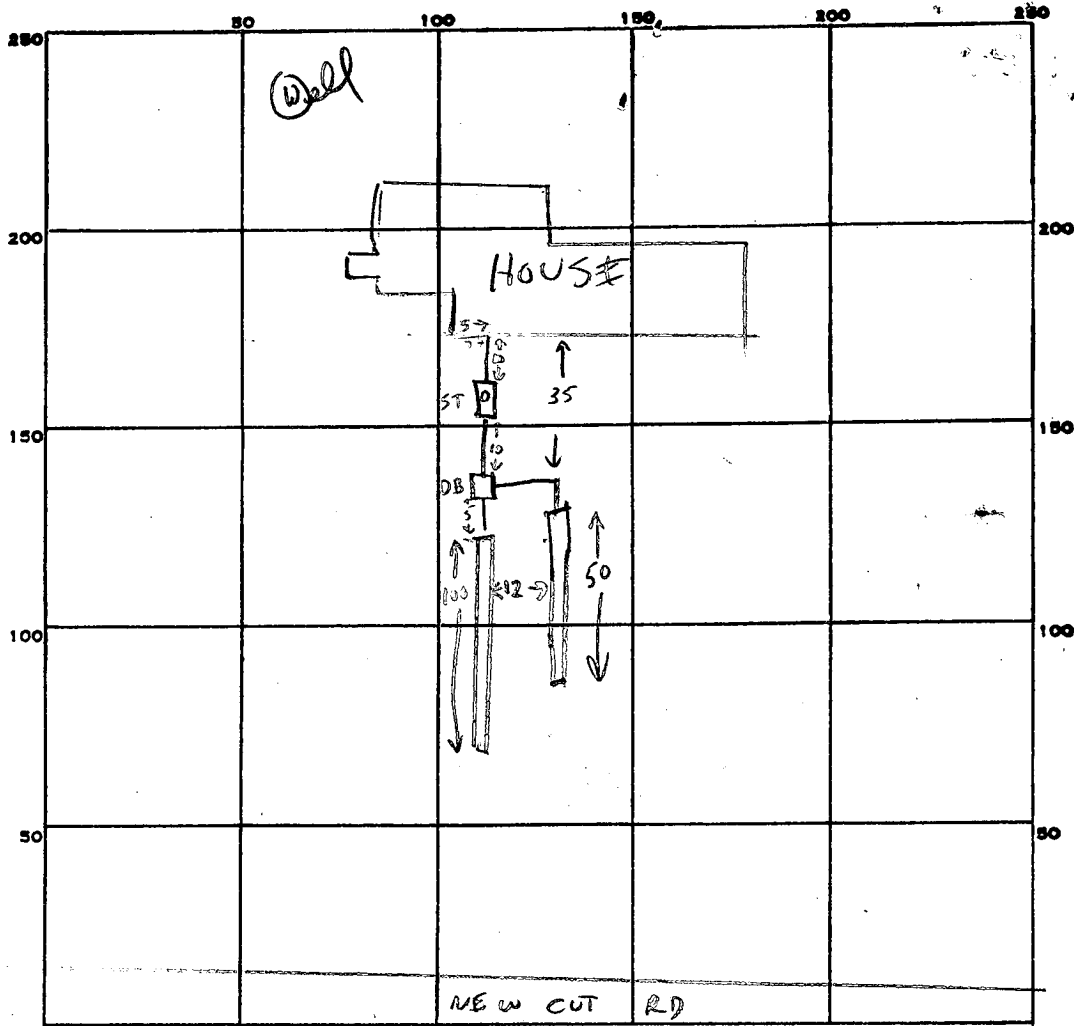
BLDG. PERMIT # 38045  
AND RETURNED 9/25/84  
Doubt deck

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

\*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A27384



120  
4/600

PERMIT CARD

SEPTIC TANK, LEVEL  1000

CLEANOUTS

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH 7 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 4 FT IN. TOTAL LENGTH 150 FT.

NUMBER OF TRENCHES 2 (100+50) TOTAL BOTTOM AREA 600

SEEPAGE PITS, INSIDE DIAMETER - FT. DEPTH BELOW INLET - FT.

ABSORBENT AREA 600 SQ. FT.

REMARKS SYSTEM COMPLETE. OK TO COVER 9/21/84

DATE SYSTEM APPROVED 9/21/84

INSPECTOR William

# APPLICATION

A 27384

P \_\_\_\_\_

## SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT  
ENVIRONMENTAL HEALTH SERVICES  
P O BOX 476, ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 465-5000, EXT. 356

DISTRICT 4th Election

DATE 12-21-77

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 Leonard Kogan and Nancy Kogan

ADDRESS 8630 Fenton Street, Silver Spring, Md. 20910 PHONE (301)565-0222

PROPERTY LOCATION:

SUBDIVISION Kogan KOGAN TRUST LOT NO. 35 Lot C

ROAD AND DESCRIPTION The property is located southeast side of intersection of  
New Cut Road and Long Corner Road.

SIZE OF LOT 3 acres TYPE BLDG. Residential  
NUMBER OF BEDROOMS \_\_\_\_\_

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT [Signature]

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

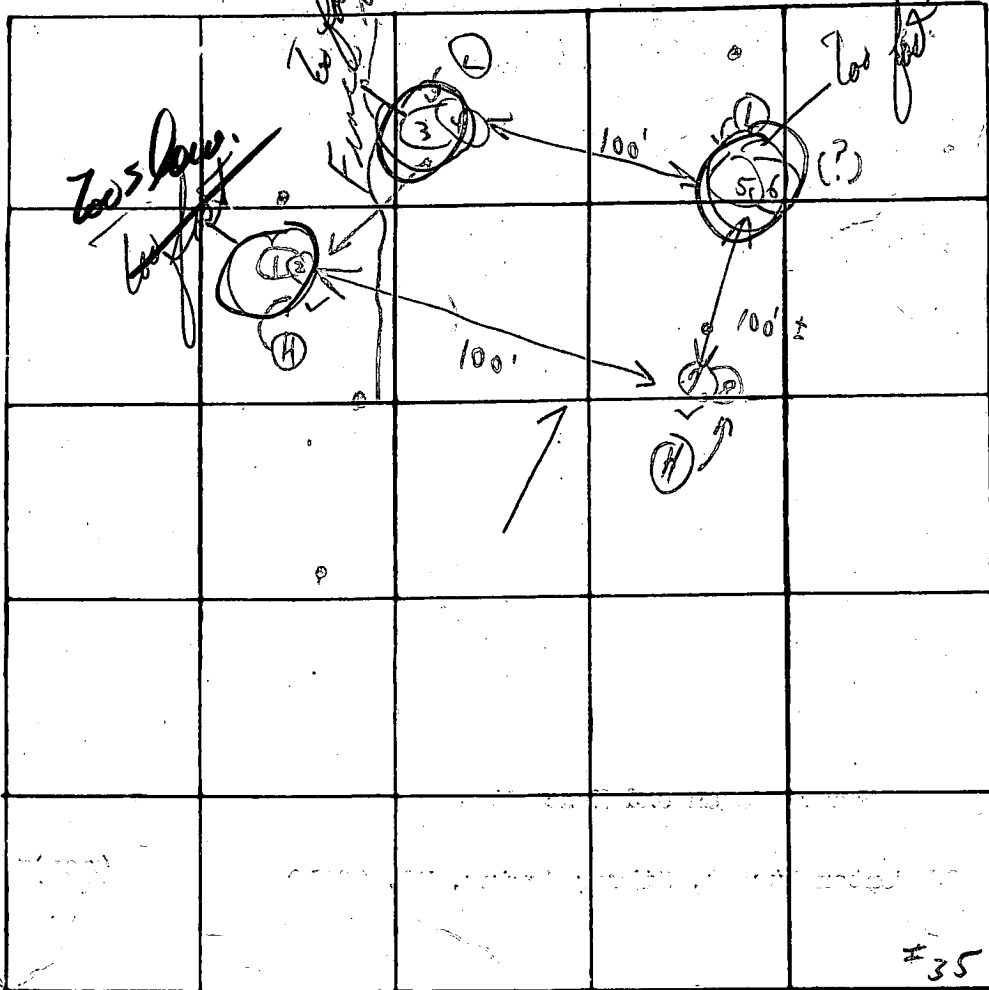
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

# THIS IS NOT A PERMIT

lot # 35

436



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

New Cut Rd

Florence

Soil profile

Below clay

DATE	TEST NO.	DEPTH	PRE-WET.		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/4/78	1 A	4 1/2'	1:50	2:40	1:50	2:00	9m
	2	12'	1:46	1:50	1:50	1:59	9m
	3	3'	1:22	1:34	1:34	1:58	24m
	4	12'	1:13	1:14	1:14	1:15	1m
	5	3 1/2'	1:36	1:45	1:45	2:08	23m
	6 A	11 1/2'	1:37			1:38	1m
	7	10 1/2'	2:43	2:45	2:45	3:03	18m
	1 B	5 1/2'	2:13	2:20	2:20	2:38	18m
	8	3 1/2'	2:25	2:32	2:32	2:46	14m
	6 B	10 1/2'	3:13			3:14	1m

Hole dry at 1:30  
Hole dry at 1:39  
Hole dry at 3:20

REMARKS: Open field  
 TYPE OF SOIL:   
 TESTED BY: C. B.   
 ALSO PRESENT: Dickson

LOT 35 - KOGAN

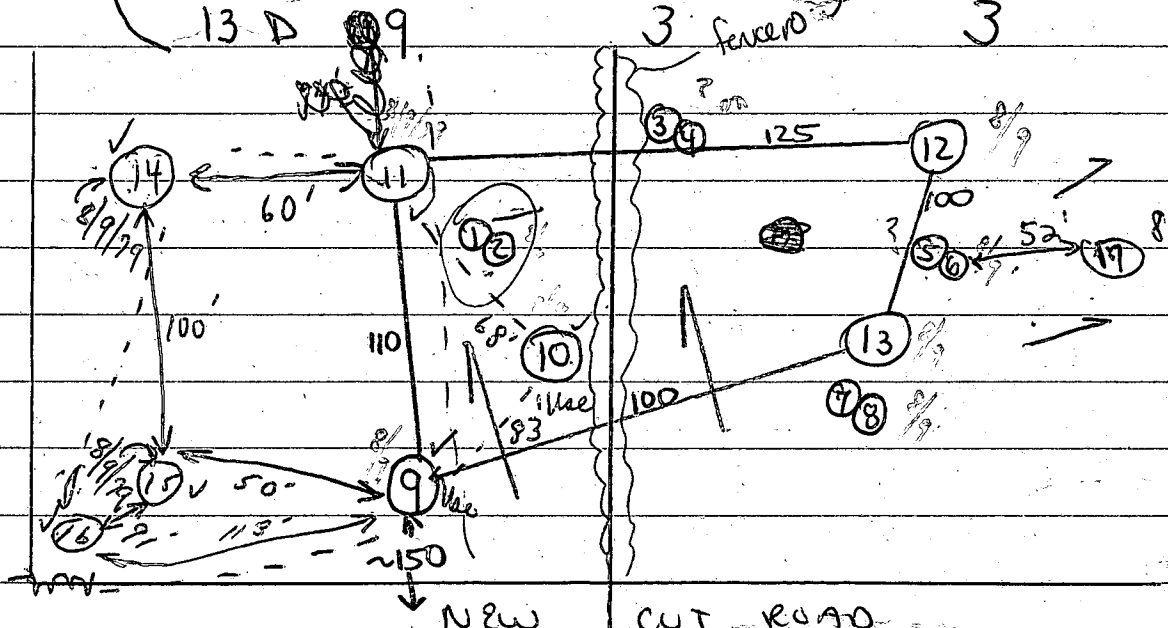
KOGAN TRUST Lot 6

1/3/80

Out + check  
Holes with  
Mr. Boender briefly  
+ Mr. Mink of  
Boender  
✓ Staked  
line  
area

DATE	TEST	DEPTH	1 <sup>st</sup> inch	2 <sup>nd</sup> inch
1/6/78	(1A)	4 1/2	fails	slow
	1B	<del>5</del> 5 1/2	7	18
	2	12	4	9
CBS	3	3'	12	24
	(4) ?	12'	1	(1)
	5	3 1/2	9	23
	(6)	10 1/2 + 11 1/2	30 sec.	(30 sec)
	7	10 1/2	2	18
	8	3 1/2	7	14
	9 S	✓ 4	10	17
	9 D	✓ 8 1/2	5	10
GLK 8 June 79	10 S	✓ 4 1/2	16	21
	10 D	✓ 9	2	3
	11 S	✓ 4	3	16
	11 D	✓ 9	1	(2) (Refill 3 : 6 minutes)
	12 S	4	8	16
	12 D	9	2	3 1/2
	13 S	4 1/2	12	20
	13 D	9	3	3

MEMORANDUM



8/9 test  
Mr. Dick  
Dr. Kogan  
C. Be

8/9/79

#35 6

	Depth	1st			Total
hoon below	4 1/2'	3:20	3:30	3:45	15 min
(#17) clay	9'	3:21	3:22	3:23	1 min
to		3:23	3:25	3:27	2 min - 2nd pour
gray		3:36	3:40	3:44	4 min

6

Field sheet

8/9/79

Below  
Looming  
Weather  
matter

	1 <sup>st</sup>	2 <sup>nd</sup>	2 <sup>nd</sup> stop	
(14)	s ✓ 4 1/2'	1:37	1:40	9m
	d ✓ 8 1/2'	1:36	1:38	2m
(15)	s ✓ 4'	1:41	1:50	11m
	d ✓ 9'	1:41	1:46	9m
(16)	s 4'	1:43	1:44	8m
	d 8 1/2'	1:43	1:52 <sup>cut</sup>	2:00

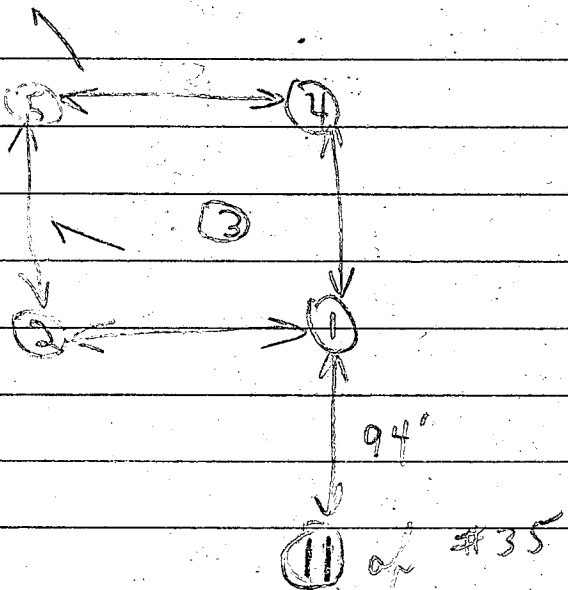
Very small holes

Hot Behind 35

8/9/79

Dr. Kagan Link + son  
Hot

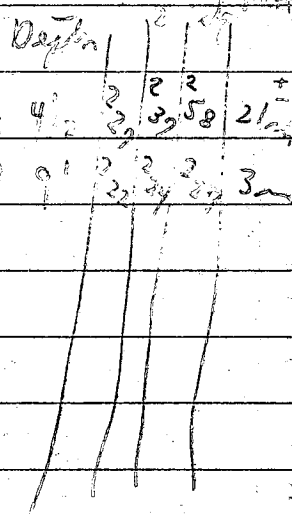
1



New Lid Recept

	1 <sup>st</sup>	2 <sup>nd</sup>	2 <sup>nd</sup> stop	Total	Depth
Barber	A 4'	Vol. long			5' 4 1/2"
Barber	B 8 1/2'	2:39	2:40	Bottom 1/2 fact	5' 9"
Barber	2 S 4'	2:16	2:42	2:41 259 1/8"	
Barber	2 O 9 1/2'	2:15	2:20	2:23	3m
Barber	3 S 4 1/2'	2:18	2:44	2:56 1/8" at most	
Barber	3 O 8 1/2'	2:18	2:20	2:26	6m
Barber	4 S 4 1/2'	2:29	2:31	2:35	4m
Barber	4 O 9'	2:29	2:31	2:30	1 1/2m

2nd stop



B 1 7874 SEQUENCE NO. (OEP USE ONLY)  
THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS

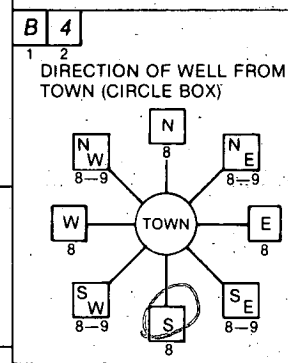
STATE OF MARYLAND  
PERMIT TO DRILL WELL  
please print or type

OEP PERMIT NUMBER  
HO-81-0663  
fill in this form completely

Date Received 8/9/84 - 2:00 PM  
OWNER INFORMATION  
072384  
Roberts Charles  
14880 Old Frederick Rd  
Woodbine MD 21797

B 3 LOCATION OF WELL  
Howard  
Kogan Trust Property  
Mount Airy  
MILES FROM TOWN (enter 0 if in town) 5 MI

DRILLER INFORMATION  
Wm. W. Reichart  
Wm. W. Reichart, Inc  
RD #2 Box 54 Hanover, PA 17331  
Wm. W. Reichart 7/18/84



B 4 New Cut Rd  
NEAR WHAT ROAD  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
DISTANCE FROM ROAD 300 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 W-34129  
COUNTY NAME COUNTY NO.  
OEP SIGNATURE STATE HEALTH INSERT S  
DATE ISSUED 080784  
CO SIGNATURE EXP. DATE  
NORTH GRID 541000 EAST GRID 0758000

APPROXIMATE DEPTH OF WELL 259 FEET

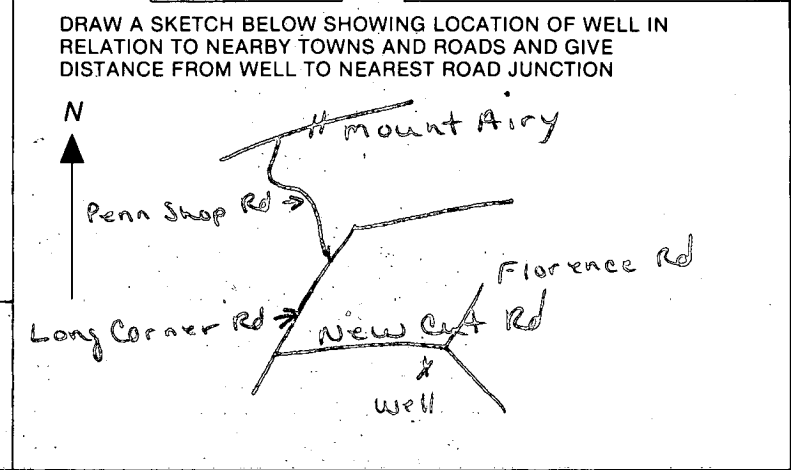
APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

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 DEEPEINED 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 DEEPEIN AN EXISTING WELL  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)  
APPROP. PERMIT NUMBER GAP  
FORCE CW INITIALS IN BOX PERMIT No. HO-81-0663

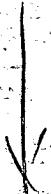
SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
SOURCES OF DRILLING WATER  
1. Approved well  
WRITE THE BOX NUMBER FROM THE MAP HERE  
750  
540



W



375



EDGE NEW CUT RD

NEW CUT RD

8/9/84

- ① LOCATION OK
- ② 21 FT CASING
- ③ 18 FT OPEN HOLE
- ④ OWNER AT SITE TODAY
- ⑤ 4 BAGS
- ⑥ WELL OK

R. Hodge

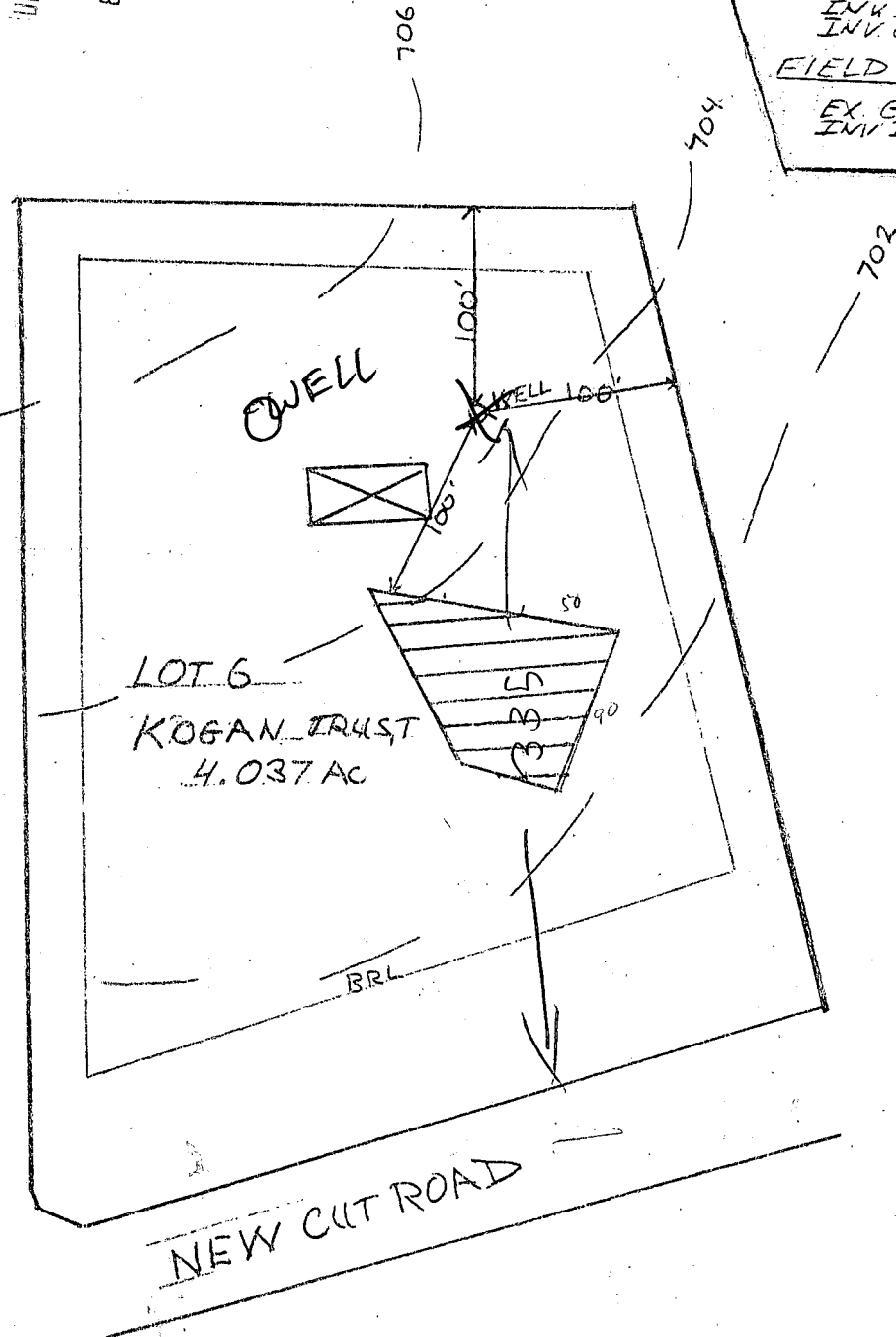


Charles Roberts  
 14880 Old Frederick Rd  
 Woodbine, MD 21797  
 442-2158

RECEIVED BY  
 HOWARD COUNTY  
 HEALTH DEPT.  
 JUL 18 2 55 PM '90  
 DIVISION OF  
 ENVIRONMENTAL  
 HEALTH

ELEVATIONS

WELL	700.00
HOUSE INV.	696.75
F.F. RASE	701.00 N/A
SEPTIC	
EX. ELEV.	698.00
FIN. ELEV.	698.00
INV. IN.	696.40
INV. OUT.	696.00
FIELD	
EX. GR.	698.00
INV. IN.	695.00



134  
 25  
 670  
 268  
 335.0

1" = 100'

BLDG. PERMIT SIGNED  
 AND RETURNED 9-13-89

BP# T84-31917

C1 4541 SEQUENCE NO. (OEP 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 W-34129

DATE RECEIVED DATE WELL COMPLETED 080984

Depth of Well 275 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-81-0653

OWNER ROBERTS CHARLES last name first name STREET OR RFD NEW CUT RD TOWN MT AIRY SUBDIVISION KOGAN TRUST SECTION LOT 6

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows include: rolling ground & gravel (0-12'), brown shale (12'-55'), water, brown & gray shale (55'-81'), water, gray shale (81'-275').

GROUTING RECORD WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 4 NO. OF ROUNDS 309 GALLONS OF WATER 28 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 18 ft.

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

MAIN CASING TYPE (ST) Nominal diameter (nearest inch) 6 Total depth of main casing (nearest foot) 20

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

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

Table with columns: E A C H S C R E E N I N G, DEPTH (nearest ft.), HO, 20, 275

A CIRCLE APPROPRIATE LETTER 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.

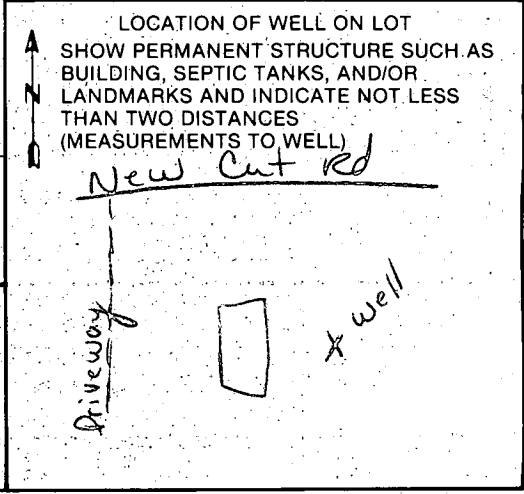
DRILLERS IDENT. NO. 064 DRILLERS SIGNATURE (Must match signature on application) SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 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 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST C 3 HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min. to nearest gal.) METHOD USED TO MEASURE PUMPING RATE (watch & bucket) WATER LEVEL (distance from land surface) BEFORE PUMPING 35 WHEN PUMPING 250 TYPE OF PUMP USED (for test) (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) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) (+) above LAND SURFACE (nearest foot) (-) below



**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 81-0663  
 Location of property (road) NEW CUT RD  
 Subdivision KOGAN TRUST Lot 6 Block      Plat      Sec.       
 Well Driller WM REICHARD Owner CHARLES ROBERTS

Depth of well 275'  
 Distance of measuring point (M.P.) above ground surface  
 Static water level (S.W.L.) below M.P. 35'

**I. High rate pumping -- reservoir drawdown**

Time pump started 8:30 AM Pumping rate 10 gpm  
 Total time      to reach pumping water level      ft. below M.P.

**II. Recovery pump test data - observations to be recorded every 15 minutes**

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:30	35'	30 sec		10
8:45	65'	"		"
9:00	90'	"		"
9:15	125'	"		"
9:30	175'	"		"
9:45	210'	"		"
10:00	250'	75 sec		4
10:15	"	"		"
10:30	"	"		"
10:45	"	"		"
11:00	"	"		"
11:15	"	"		"
11:30	"	"		"
11:45	"	"		"
12:00	"	"		"
12:15	"	"		"
12:30	"	"		"
12:45	"	"		"
1:00	"	"		"
1:15	"	"		"
1:30	"	"		"
1:45	"	"		"
2:00	"	"		"
2:15	"	"		"
2:30	250	75 sec		4



# Plumb-Pro Contracting

RESIDENTIAL AND COMMERCIAL

PLUMBING AND HEATING

15039 OAK ORCHARD ROAD

NEW WINDSOR, MARYLAND 21776

J P. Stephen Zabel Md # 6033  
request a Permit for installing well pump  
at Charles Roberts residence lot 6 Toga Tr  
18141 New Cut Rd Woodbine Md.

OK TO PROCEED.  
9/21/84 CWilhelm

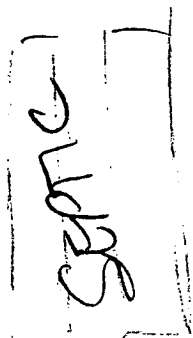
WPI - 9/21/84

PITLESS ADAPTER AND SERVICE LINE  
INSTALLED 4' BELOW GRADE. CWilhelm

July 21, 1991

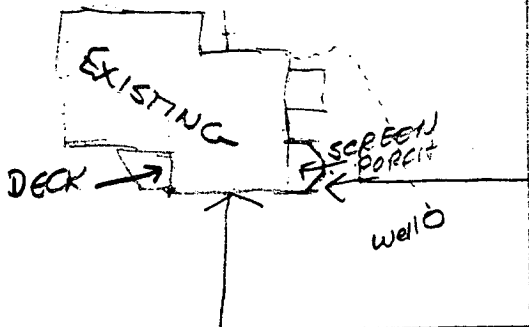
New Cut Rd

4 ACRES



OK

DRIVE



350' FT

300'

6/25/91  
PLANS OK  
RH