

5/2/85
4/16/85
5/6/85
ASAP - AM
T-50 2:00 PM
W.P.I. 4/16/85
approved 5/6/85
C. Williams

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

P 35284

A 24853

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

992-2330

INDEXED

ELLICOTT CITY

DISTRICT 5th

DATE 4/15/85

Olen Ketterman

IS PERMITTED TO INSTALL X ALTER

ADDRESS 14960 Frederick Road, Woodbine, Maryland 21797 PHONE 442-1336

SUBDIVISION Richard Hallowell ROAD 5344 Ten Oaks Road LOT Parcel 14

PROPERTY OWNER Jack & Ann Serota

ADDRESS

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

GARBAGE GRINDER? YES NO X

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 220 sq. ft. effective sidewall absorption area per bedroom. Trench to be 2 feet wide. Inlet 4 1/2 feet below original grade. Bottom maximum depth 9 1/2 feet below original grade. Effective area begins at 4 1/2 feet below original grade. 5 feet of stone below distribution pipe. LOCATION: Start the trench 125 feet from the rear (300 ft. long) property line and 140 feet from the right (352.82 ft. long) side line as seen when facing the property from the 100 ft. wide common right-of-way off Ten Oaks Road. 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 trenches before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

1 1/2' DEEPER TRENCH OK IF 15 FT HOLE DUG. CW

PLANS APPROVED BY Frank Skinner

DATE 4/15/85

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.

BDDG. PERMIT SIGNED
AND RETURNED 8/23/85

Serial # 66522 SFD-2
Car Garage

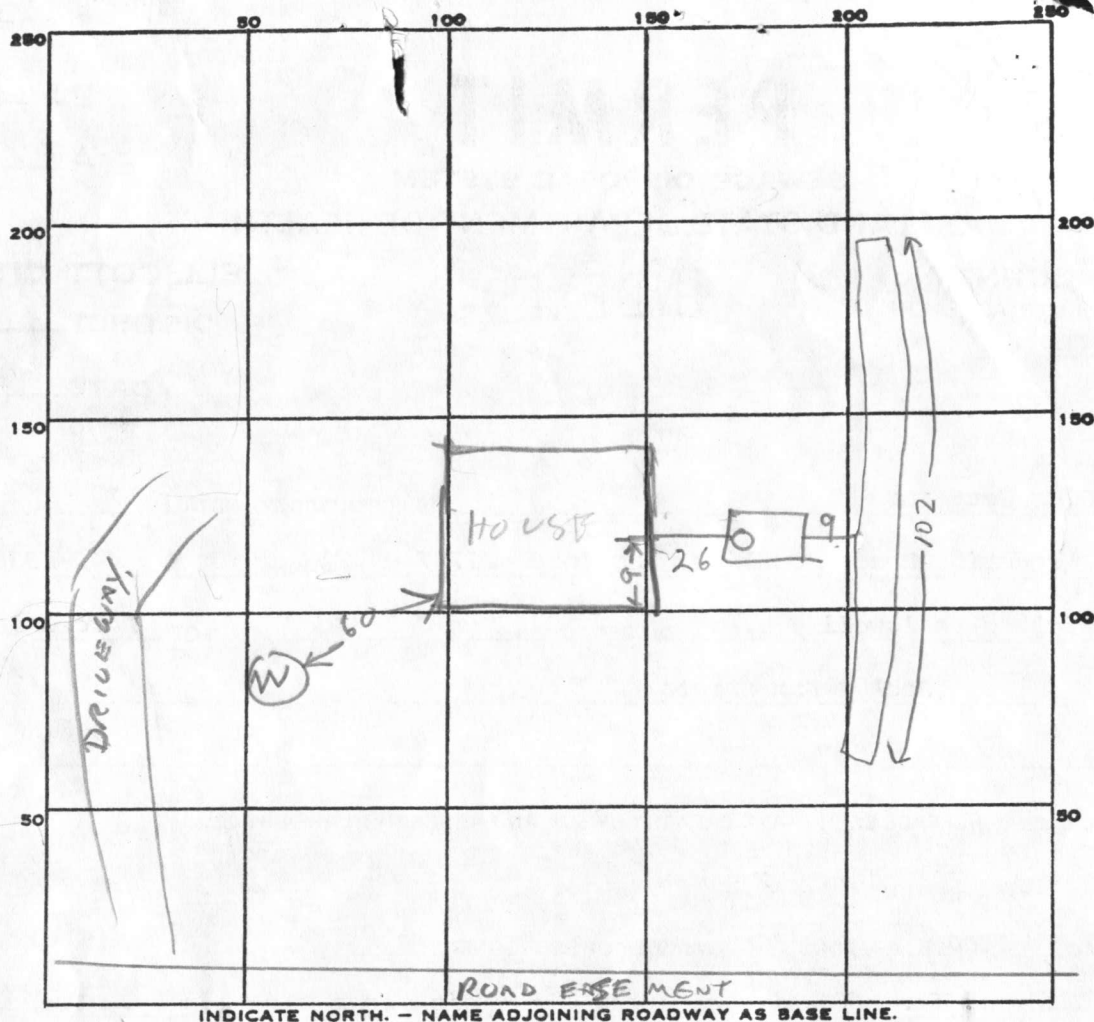
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 24853

Need
660 ϕ



PERMIT CARD _____

SEPTIC TANK, LEVEL OK 1500

CLEANOUTS ST OK

DISTRIBUTION BOX, LEVEL N/A

TILE FIELD, DEPTH 11 FT. TRENCH WIDTH 2 FT.

INLET AT 4.5'

GRAVEL DEPTH 6.5 IN. TOTAL LENGTH 102 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 663 ϕ

102
6.5
510
612
6630

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

ABSORBENT AREA 663 SQ. FT.

REMARKS 4/16/85 - TANK OK BH

5-3-85 OK TO ADD STONE TO TRENCH; CALL FOR Final Insp. ON Monday, 5/6/85

5-6-85 STONE OK. COULD ALL WORK.

DATE SYSTEM APPROVED 5/6/85

INSPECTOR C Williams

APPLICATION

A 24853

SEWAGE DISPOSAL TESTING

P _____

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 5th

DATE 11/30/76

220

~~187~~ SQ. FT. effective sidewall absorption area per bedroom to begin below the first 4 1/2 ft. of non-porous soil. Maximum depth permitted for drywell or trench is 9 1/2 ft. below original grade. Place the drywell 125 ft. from the rear (300 ft. long) property line and 140 ft. from the right (352.82 ft. long) side line as seen when facing the property from the 100 ft. wide common right-of-way off Ten Oaks Road. Start the trench after a 5 foot earth buffer with the drywell and proceed to dig it on level ground the necessary distance. NOTE: Call for inspection of trench before gravel is installed.

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

~~Allan Weintraub~~

Jack Ann Serota

@ Richard Hallowell

ADDRESS

Highland, Md. 20777

PHONE

286-2988

PROPERTY LOCATION:

SUBDIVISION

--

5344

LOT NO.

Parcel 14

ROAD AND DESCRIPTION

~~Private lane off of NW corner of Ten Oaks Rd~~

~~and Highland Rd - 1 mi. S of Dayton~~

SIZE OF LOT

Parcel 14 - 3.032 ac 661/235 rec. 11/2/73

TYPE BLDG.

4 bedrm single fam. residence

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

Richard Hallowell

APPROVED BY

Frank Skinner

FOR

Drywell & trench
(KIND OF SYSTEM)

DATE

2/7/78

REJECTED BY _____

FOR _____

(KIND OF SYSTEM)

DATE _____

HOLD PENDING FURTHER TESTS _____

DATE

B.P. # 62437

REASONS FOR REJECTION OR HOLDING

5/27/77 Perc. O.K. hold for signed boundary plat T.S.

FILED
AND RETURNED
1-8-85

THIS IS NOT A PERMIT

all holes

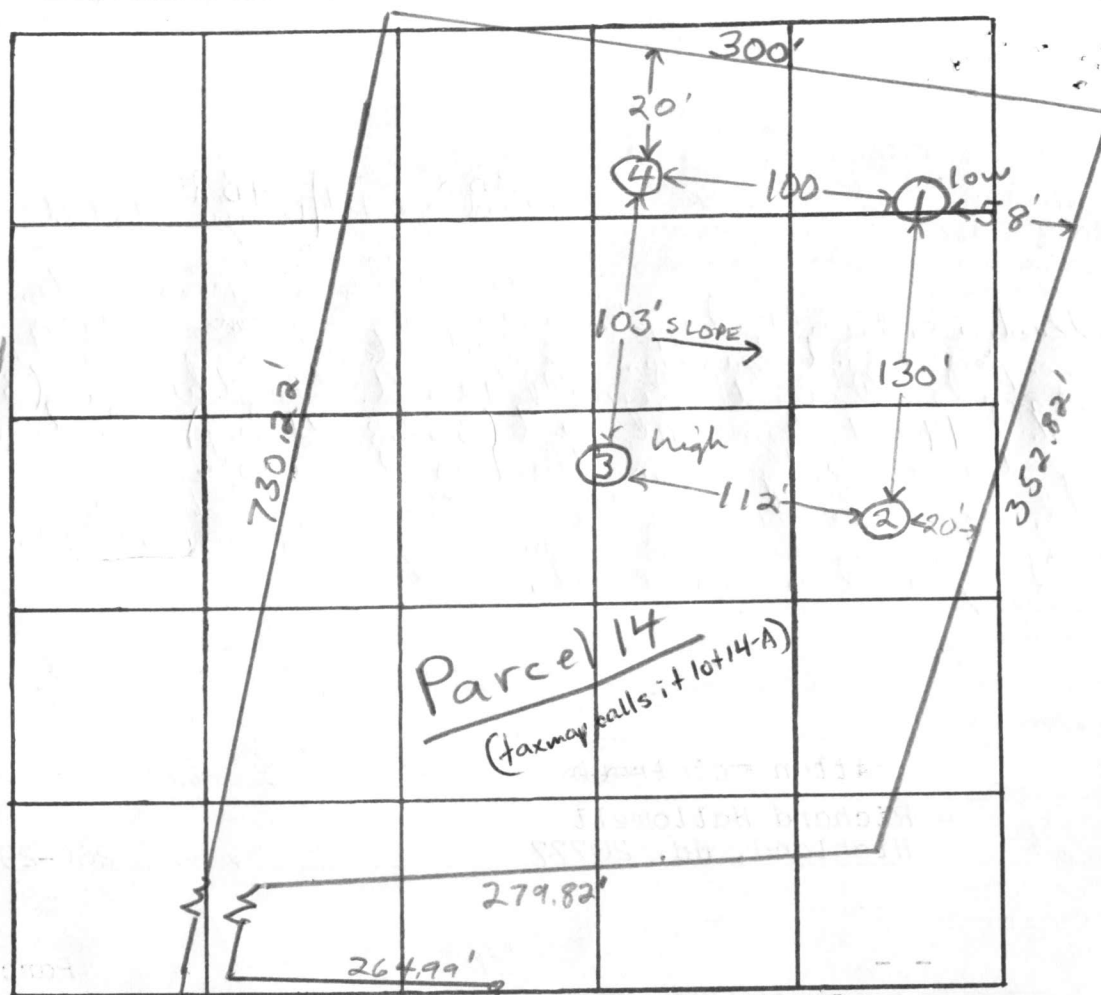
0'

4'

clayey

silty mica loam

13'



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5/6/77	1 low	4'	1:58	2:00	2:00	2:05	5 min
	1A	12'	1:58	2:01	2:01	2:10	9 min
	2	4'	2:04	2:07	2:07	2:18	11 min
	2A	12'	2:07	2:20	2:20	2:41	21 min
	3 high	5 1/2'	2:10	2:19	2:19	2:43	24 min
	3A	13'	2:10	2:17	2:17	2:29	12 min
	4	11 1/2'	clayey to 4'; silty mica loam below				

REMARKS

TYPE OF SOIL

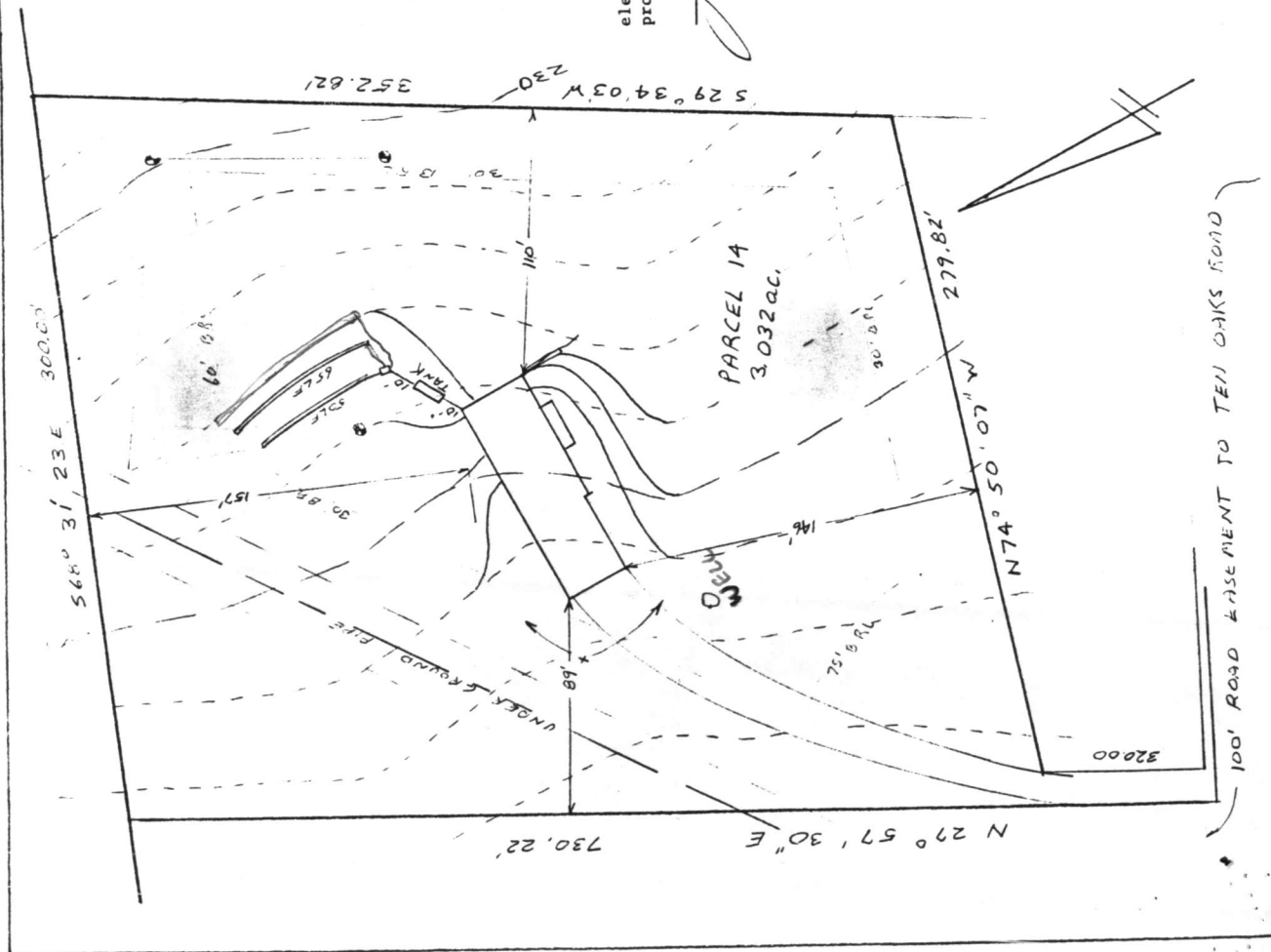
clayey to ~4'; silty mica loam below

TESTED BY

F.S.

ALSO PRESENT:

Hallowell & Fyock & crew



HOUSE:

FIRST FLOOR 244.0
BASEMENT 235.0
INVERT 233.06

SEPTIC TANK:

EXISTING GRADE 237.8
PROPOSED GRADE 237.0
INVERT IN 232.85
INVERT OUT 232.60

DISTRIBUTION BOX:

EXISTING GRADE 237.0
PROPOSED GRADE 237.0
INVERT 232.5

TRENCHES:

	#1	#2
EXISTING	236.9	236.5
INVERT	232.4	232.0
BOTTOM	227.4	227.0
WIDTH	2'	2'
LENGTH	50'	65'
STONE	5'	5'

I certify the above measurements and elevations to be actual and true for this property.

J. Carl Hudgins

3/20/84
wellside
T.S.

per 22, 1-1-85

PLOT PLAN
PARCEL 14
HALLOWELL

5th ELECTION DISTRICT
Howard County Md
Scale 1"=50' Date 2-4-84

Scote

Not to Scale

100' ROAD EASEMENT TO TEN OAKS ROAD

C1	2985	SEQUENCE NO. (OEP USE ONLY)	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.
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3,6 ON ALL CARDS)				COUNTY NUMBER A24853

DATE Received	DATE WELL COMPLETED	Depth of Well	PERMIT NO.
8	17/1984	22 305 26 (TO NEAREST FOOT)	FROM "PERMIT TO DRILL WELL"
13	15 20		40-81-0774
28			28 29 30 31 32 33 34 35 36 37
OWNER SEROTA, JACK			
STREET OR RFD last name TEN OAKS RD		first name	TOWN DAYTON
SUBDIVISION TAX MAP 28 PARCEL 281		SECTION	LOT 14

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 20	
Sand	20 57	
Gray mica rock	57 305	

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	
TYPE OF GROUTING MATERIAL	
CEMENT CM	BENTONITE CLAY BC
NO. OF BAGS 13 NO. OF POUNDS 1222	
GALLONS OF WATER 78	
DEPTH OF GROUT SEAL (to nearest foot)	
from 0 ft. to 50 ft.	
TOP 52 BOTTOM 58	
(enter 0 if from surface)	
CASING RECORD	
casing types insert appropriate code below	
ST CO	
STEEL CONCRETE	
PL OT	
PLASTIC OTHER	
MAIN CASING TYPE	
Nominal diameter top (main) casing (nearest inch)	
Total depth of main casing (nearest foot)	
S 7 16 63	
60 61 63 64 66 70	
OTHER CASING (if used)	
diameter depth (feet)	
inch from to	
EACH CASING	
screen type or open hole	
insert appropriate code below	
ST BR HO	
STEEL BRASS OPEN HOLE	
PL OT	
PLASTIC OTHER	
C 2	
DEPTH (nearest ft.)	
1 2	
H 0 62 305	
8 9 11 15 17 21	
23 24 26 30 32 36	
38 39 41 45 47 51	
EACH SCREEN	
SLOT SIZE 1 2 3	
DIAMETER OF SCREEN	
(NEAREST INCH)	
56 60	
from to	
GRAVEL PACK	
IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68	
68	

C 3
PUMPING TEST
HOURS PUMPED (nearest hour)
6
PUMPING RATE (gal. per min. to nearest gal.)
2
METHOD USED TO MEASURE PUMPING RATE
bucket
WATER LEVEL (distance from land surface)
BEFORE PUMPING
28
WHEN PUMPING
148
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)	
PUMP HORSE POWER	
PUMP COLUMN LENGTH	
(nearest ft.)	
CASING HEIGHT (circle appropriate box and enter casing height)	
+ above	
- below	
LAND SURFACE	
(nearest foot)	
50 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	
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 L. Mays	
(MUST MATCH SIGNATURE ON APPLICATION)	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	

LOCATION OF WELL ON LOT	
SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)	
125' well	
60'	
279.82'	
T (E.R.O.S.) WQ	
70 72 74 75 76	
TELESCOPE CASING LOG INDICATOR OTHER DATA	