

6/20/79

Approved  
(GCK)

20 June 79

P 28972  
A 27020

6/19/79  
after lunch

# PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH\*

HOWARD COUNTY

03-305651

ELLICOTT CITY

DISTRICT 3rd

INDEXED

DATE 10/3/78

Liberty Bakkhoe Service, Inc.

IS PERMITTED TO INSTALL X ALTER

ADDRESS 7311 Brangles Road, Martindale, Md. 21104

PHONE 795-2642

SUBDIVISION Friendship Manor

ROAD 2654 Wellworth Way

LOT 16

PROPERTY OWNER Rembrandt Builders

ADDRESS 9051 Baltimore National Pike, Ellicott City, Md. 21043

Phone: 465-3000

SPECIFICATIONS 4 bedrooms

SEPTIC TANK CAPACITY 1250 GALLONS

DRAIN FIELD DEPTH FEET. BOTTOM AREA SQ. FT.

DEEP TRENCH DEPTH FEET. BOTTOM AREA SQ. FT.

SEEPAGE PITS X ABSORBENT SIDE-WALL AREA 336 SQ. FT. total sidewall area in dry well.

INLET PIPE 3 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH 10 FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA 20 FT. FROM left LOT LINE AND 125 FT. FROM front LOT LINE

~~XXXXXXXXXX~~

Trench to be 55 ft. long. Inlet at 3 ft. and maximum depth 10 ft. below original grade.

Trench to run towards front of lot 20 ft. from left lot line.

2/17/00 - Dry well failed but, septic line was never used. Contractor put in a New Dist Box tied to old but good trench with the line going to dry well & an auto leveler so D.W. will have a chance to dry out, in use again only when trench fails. New Manhole riser placed over outlet of S.T. Old Baffle is OK. PJP 2/17/00

PLANS APPROVED BY David J. O'Neill

DATE 2/22/78

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 PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

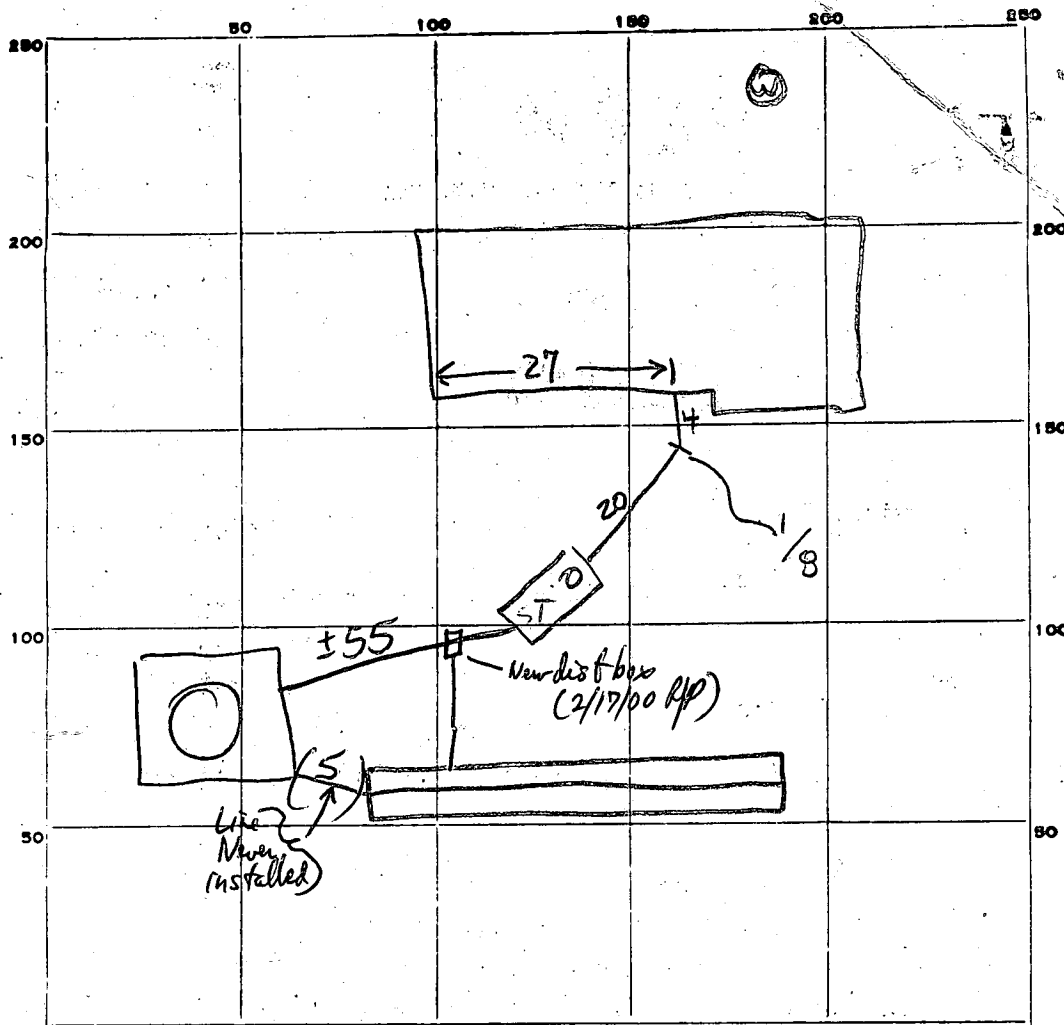
PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA ACCEPTED.

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

BLDG. PERMIT SIGNED  
AND RETURNED 9/25/89  
Serial # 61030  
PJP

A 27020



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

WELL WORTH WAY → RT44

PERMIT CARD ✓

SEPTIC TANK, LEVEL 1250 As per

CLEANOUTS 

ST	DW
✓	✓

 CAST IRON

DISTRIBUTION BOX, LEVEL NA

TILE FIELD, DEPTH 10 FT. TRENCH WIDTH 2 FT.

3 → 10 7+ TOTAL LENGTH 61 FT.

GRAVEL DEPTH 7+ TOTAL BOTTOM AREA 427 ± 427

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 427 ± 427

SEE PAGE PITS, INSIDE DIAMETER 49 3-10 DEPTH BELOW INLET 7 FT. ± 336

TOTAL ABSORBENT AREA ± 763 SQ. FT. ± 763

REMARKS 19 June 79, call for final when gravel added to trench + drywell 3, when sewer installed between DW + ST. (GCK)  
20 June 79 FINAL OK. (GCK) Failed Dry well, but Septic Trench never been used, final box installed a dist. box and new line pouring caused existing trench, (catcher set high for overflow to go to drywell after it has had a chance to dry out). R/R 2/17/00

DATE SYSTEM APPROVED 20 June 79 INSPECTOR G. Keeler

PRELIMINARY

# APPLICATION

A 27020

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 3rd

DATE 10/10/77

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 William B. Ridgely

ADDRESS Spring Meadow Farm, Cooksville, Md. PHONE 531-5115 (Carol Clark)

PROPERTY LOCATION:

SUBDIVISION Friendship Manor (Friendship Manor) LOT NO. 16

ROAD AND DESCRIPTION Route 144 and Route 32

2654 Wellwood Way

SIZE OF LOT ? TYPE BLDG. 3 or 4 bedrooms  
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 /s/ Albert Scheel

BLDG. PERMIT SIGNED  
AND RETURNED 10/3/78  
Serial No. 37005

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

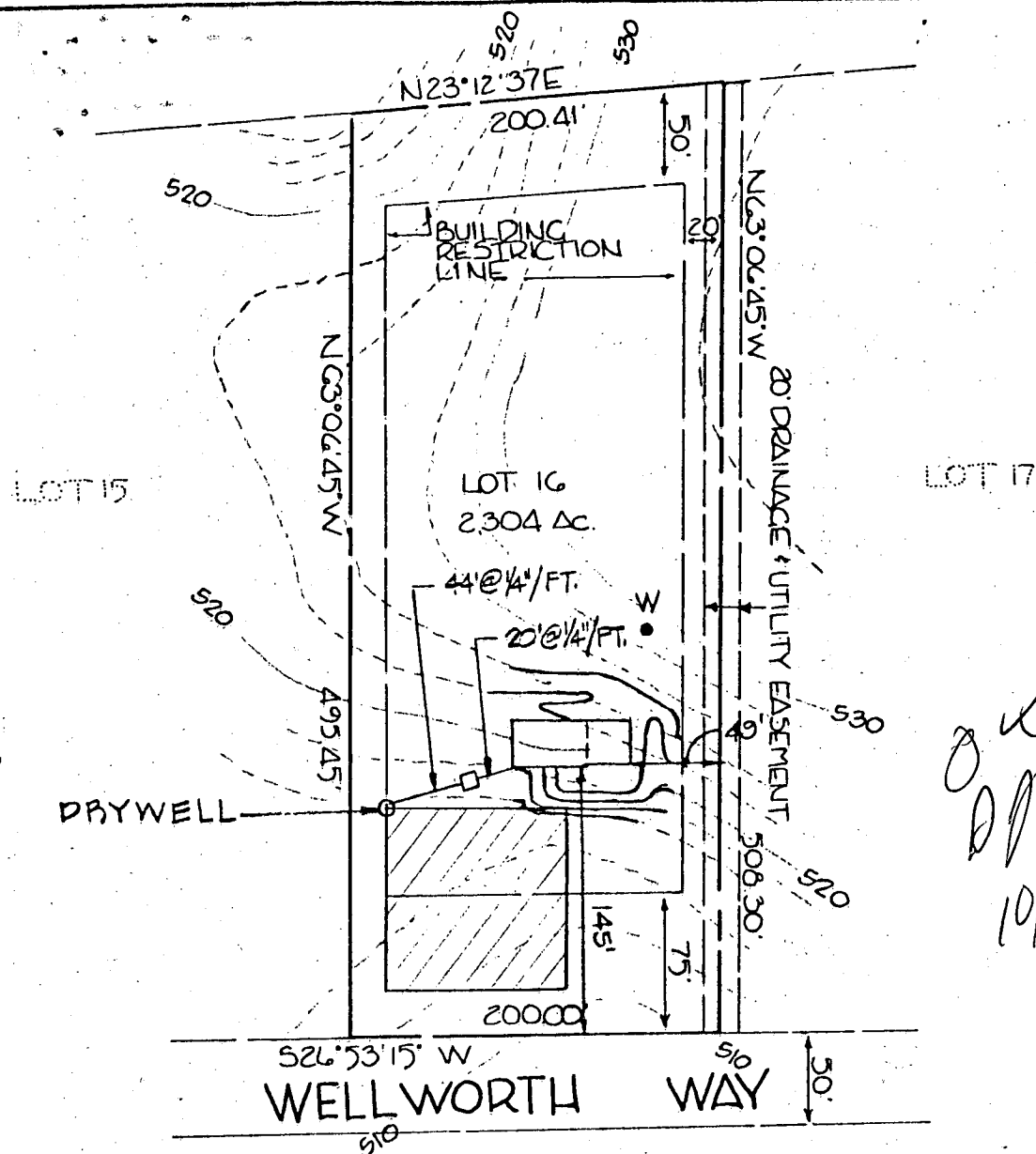
REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY: *J. J. O'Connell*

**ALSO PRESENT:**





## HOUSE:

F.F. ELEV. 522.8  
BSMT. ELEV. 514.0  
INV. OUT 514.5

## SEPTIC TANK:

EX. GRADE 517.0  
PROP. GRADE 517.0  
INV. IN. 514.1  
INV. OUT 513.8

## DRYWELL:

EX. GRADE 515.0  
PROP. GRADE 515.0  
INV. IN 512.0

## WELL:

EX. GRADE 520.0  
PROP. GRADE 520.0

NOTE: Topography shown hereon is based on Howard County Aerial Topography Maps. Contractor is to set grades in the field.

TITLE

GRADING STUDY

PROJECT

FRIENDSHIP MANOR - SECTION 2 - LOT 16

LOCATION

THIRD ELECTION DISTRICT - HOWARD COUNTY, MARYLAND

DATE:

AUGUST, 1978

DESIGN BY:

WHN

DRAWN BY:

DHH

CHECKED BY:

WHN

SCALE:

1" = 100'

JOB NO.:

78205

DRAWING NO.

1 of 1

boender associates

engineers  
surveyors  
planners

<b>STATE OF MARYLAND</b> WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401 <b>APPLICATION FOR PERMIT TO DRILL WELL</b>		WRA PERMIT NUMBER <u>HO-76-2414</u> FILL IN THIS FORM COMPLETELY
<div style="display: flex; justify-content: space-between;"><div>1 2 3 (SEQ. NO.) 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</div><div>SEQUENCE NO. (WRA USE ONLY) <b>4431</b></div></div>		
<div style="display: flex; justify-content: space-between;"><div>DATE RECEIVED (WRA USE ONLY) <b>9/27/78</b> <b>9:30 A.M.</b></div><div>OWNER <u>Chatham Builders</u> COL 15 LAST NAME FIRST NAME COL. 34 <u>8654 Balt. Walk. Pike</u> COL 36 COL. 55 <u>Ellicott City Md.</u> COL 57 COL. 76</div></div>		
<div style="display: flex; justify-content: space-between;"><div>B 1 CONTINUED 1 2 3 (SEQ. NO.) 4 DATE <u>8-25-78</u> LICENSE NUMBER <u>40</u> <u>H. F. Canterbury</u> FIRST NAME DRILLER LAST NAME SIGNATURE <u>H. F. Canterbury</u></div><div>B 3 LOCATION OF WELL 1 2 3 (SEQ. NO.) 4 COUNTY <u>Howard</u> (DO NOT ABBREVIATE COUNTY NAME) 21 SUBDIVISION <u>Greenleaf Manor</u> 23 42 SECTION <u>16</u> LOT <u>16</u> 44 46 48 50 NEAREST TOWN <u>West Friendship</u> 52 71 MILES FROM TOWN (ENTER 0 IF IN TOWN) <u>0</u> 73 76 77 78</div></div>		
<div style="display: flex; justify-content: space-between;"><div>B 2 WELL INFORMATION 1 2 3 (SEQ. NO.) 4 MAXIMUM PUMPING RATE (GALLONS PER MINUTE) <u>5</u> 8 12 AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY) <u>600</u> 14 20 <b>USE FOR WATER (CIRCLE APPROPRIATE BOX)</b> <input checked="" type="checkbox"/> D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> F FARMING, AGRICULTURE, IRRIGATION <input type="checkbox"/> I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT. <input type="checkbox"/> M MUNICIPAL WATER SUPPLY <input type="checkbox"/> P PRIVATE WATER COMPANY <input type="checkbox"/> T TEST MUST HAVE STATE HEALTH DEPT. APPROVAL</div><div>B 4 DIRECTION FROM TOWN (CIRCLE APPROPRIATE BOX) 1 2 3 (SEQ. NO.) 4 N NORTH E EAST NE NORTHEAST SE SOUTHEAST S SOUTH W WEST NW NORTHWEST SW SOUTHWEST NEAR WHAT ROAD <u>RT 149</u> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) N 32 S 32 E 32 W 32 DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX) <u>400</u> 34 37 38 39</div></div>		
APPROXIMATE DEPTH OF WELL <u>13-0</u> FEET APPROXIMATE DIAMETER OF WELL <u>6</u> (NEAREST INCH) METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD) BORED (OR AUGERED) JETTED DRIVEN 30-37 <u>AIR-ROTARY</u> AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY) CABLE REVERSE-ROTARY DRIVE-POINT OTHER (DESCRIBE) _____ REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> N THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> D THIS WELL WILL DEEPEAN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____ NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY) APPROPRIATION PERMIT NUMBER <u>54</u> ENGINEER REVIEW DISTRICT NO. <u>63</u> FORCE <u>67</u> WRITE INITIALS IN BOX CONDITIONS <u>70</u> 71 72 73 74 75 76 77 78 79		<div style="border: 1px solid black; padding: 10px; margin-top: 10px;">DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH. ALSO SHOW, BY MEANS OF AN "X", THE WELL LOCATION IN THE BOX BELOW AND THE BOX NUMBER FROM THE WELL LOCATION MAP. <div style="text-align: center;">N 84'-CASING 3'-ABOVE GR 49'-OPEN HOLE 14-BAGS CEMENT <u>West Friendship</u> <u>RT 149</u> <u>OK</u> <u>9/28/78</u> <u>well</u> <u>RT 32</u></div></div>
<div style="display: flex; justify-content: space-between;"><div>B 4 CONTINUED 1 2 3 (SEQ. NO.) 4 41 S STATE HEALTH (CIRCLE BOX) COUNTY NAME <u>Howard</u> COUNTY NO. <u>123704</u> MO. DAY YR. <u>08</u> <u>28</u> <u>78</u> DATE APPROVED BY <u>Donald N. Dougherty, Sanitarian</u> 43 48</div><div>B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY) 1 2 3 (SEQ. NO.) 4</div></div>		

C 1	2574	SEQUENCE NO. (WRA USE ONLY)	STATE OF MARYLAND WATER RESOURCES ADMINISTRATION TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401		THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION
1 2 3 (SEQ. NO.) 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		WELL COMPLETION REPORT		FILL IN THIS FORM COMPLETELY	
DATE RECEIVED (WRA USE ONLY)		DATE WELL COMPLETED		DEPTH OF WELL	
		9/28/78		140	
DATE RECEIVED (WRA USE ONLY)		DATE WELL COMPLETED		PERMIT NO. FROM "PERMIT TO DRILL WELL"	
		15 20		22 (TO NEAREST FOOT) 26	
OWNER		STREET OR RFD		POST OFFICE	
Chateau Builders Inc.		8651 EAGLE HILL RD		ELLSWORTH CITY	
WELL DESCRIPTION					
WELL LOG					
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING					
DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET FROM TO	CHECK IF WATER BEARING			
topsoil	0 2				
shale	2 45				
sandy	45 55				
siltstone	55 65				
sandy	65 73				
sandstone	73 89				
mica	89 92				
sandstone	92 94				
mica	94 110				
sandstone	110 118				
mica	118 140				
GROUTING RECORD					
WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX)					
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>					
TYPE OF GROUTING MATERIAL (CIRCLE BOX)					
CEMENT <input checked="" type="checkbox"/> BENTONITE CLAY <input type="checkbox"/>					
NO. OF BAGS 117 NO. OF POUNDS 1400					
GALLONS OF WATER 70					
DEPTH OF GROUT SEAL (TO NEAREST FOOT)					
FROM 0 FT. TO 49 FT.					
(ENTER 0 IF FROM SURFACE)					
CASING RECORD					
CASING TYPES					
(INSERT APPROPRIATE CODE BELOW)					
STEEL <input type="checkbox"/> CONCRETE <input type="checkbox"/>					
PLASTIC <input type="checkbox"/> OTHER <input type="checkbox"/>					
MAIN CASING TYPE					
5 4 2 1 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70					
OTHER CASING (IF USED)					
DIA. (INCH) DEPTH (FEET)					
FROM TO					
SCREEN TYPE OR OPEN HOLE					
(INSERT APPROPRIATE CODE BELOW)					
STEEL <input type="checkbox"/> BRASS OR BRONZE <input type="checkbox"/> OPEN HOLE <input type="checkbox"/>					
PLASTIC <input type="checkbox"/> OTHER <input type="checkbox"/>					
SCREEN RECORD					
DEPTH (NEAREST WHOLE FOOT)					
FROM 82 TO 140					
DIA. (INCH)					
56 60					
GRAVEL PACK					
FROM TO					
IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX					
68 <input type="checkbox"/>					
WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)					
T <input type="checkbox"/> (E.R.O.S.) W <input type="checkbox"/>					
70 <input type="checkbox"/> 72 <input type="checkbox"/> 74 75 76					
TELESCOPE CASING LOG INDICATOR OTHER DATA AVAILABLE					
PUMPING TEST					
HOURS PUMPED (TO NEAREST HOUR)					
2					
PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON)					
6					
METHOD USED TO MEASURE PUMPING RATE					
bucket					
WATER LEVEL: (DISTANCE FROM LAND SURFACE)					
BEFORE PUMPING 45 (NEAREST FOOT)					
WHEN PUMPING 140 (NEAREST FOOT)					
TYPE OF PUMP USED (CIRCLE APPROPRIATE BOX)					
A <input checked="" type="checkbox"/> AIR P <input type="checkbox"/> PISTON T <input type="checkbox"/> TURBINE					
C <input type="checkbox"/> CENTRIFUGAL R <input type="checkbox"/> ROTARY O <input type="checkbox"/> OTHER (DESCRIBE BELOW)					
J <input type="checkbox"/> JET S <input type="checkbox"/> SUBMERSIBLE					
PUMP INSTALLED					
TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O)					
29					
DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX)					
YES <input type="checkbox"/> NO <input type="checkbox"/>					
CAPACITY:					
GALLONS PER MINUTE (TO NEAREST GALLON)					
31 35					
PUMP HORSE POWER					
37 41					
PUMP COLUMN LENGTH (NEAREST FOOT)					
43 47					
CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT)					
+ ABOVE - BELOW					
LAND SURFACE (NEAREST FOOT)					
49 50 51					
LOCATION OF WELL ON LOT					
N SHOW PERMANENT STRUCTURE SUCH AS BUILDINGS, SEPTIC TANKS, AND/OR OTHER LAND MARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)					
Front 1st line					