

8/29/84
8/29/84 NOON
AM Sept. please

8/30/84 WPI
8/31/84 CHECKOUT A.M.

Approved 8/31/84
Stayed

PERMIT

P 33953
A 27480

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

ELLICOTT CITY
DISTRICT _____

INDEX
05.391946

DATE 6/5/84

Souder Builders, Inc. IS PERMITTED TO INSTALL ALTER _____

ADDRESS 9335 Old Scaggsville Road, Laurel, Maryland 20707 PHONE _____

SUBDIVISION Kalmia Farms ROAD 14701 BETULAWAY ~~Viburnum Drive~~ LOT 16, Section 2

PROPERTY OWNER Souder Builders

ADDRESS _____

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

GARBAGE GRINDER? YES _____ NO

SEPTIC TANK CAPACITY 1250 ~~1000~~ GALLONS NUMBER OF BEDROOMS 4 ~~3~~ 632 SQFT 6/5

DEEP TRENCHES - 158 sq. ft. one sidewall area per bedroom. Ditch is to be 2 feet wide, 8 1/2 feet deep, with inlet at 2 1/2 feet below original grade and filled with 6 ft. of stone. Length of the ditch deepens on the number of sq. ft. needed. Start the ditch at perc hole #4 and run it along level ground toward perc hole #2. Perc hole #4 is located 160 feet from the front lot line and 130 feet from the Right lot line as seen when facing the lot from Betula Way. Perc hole #2 is located 150 feet from the Front lot line and 50 feet from the right lot line as seen when facing the lot from Betula Way. Call for two inspections - before and after stone is installed.

PLANS APPROVED BY Raymond Hodges DATE 8/31/84

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 SIGNED
AND RETURNED 6/6/84
Qual # 59398

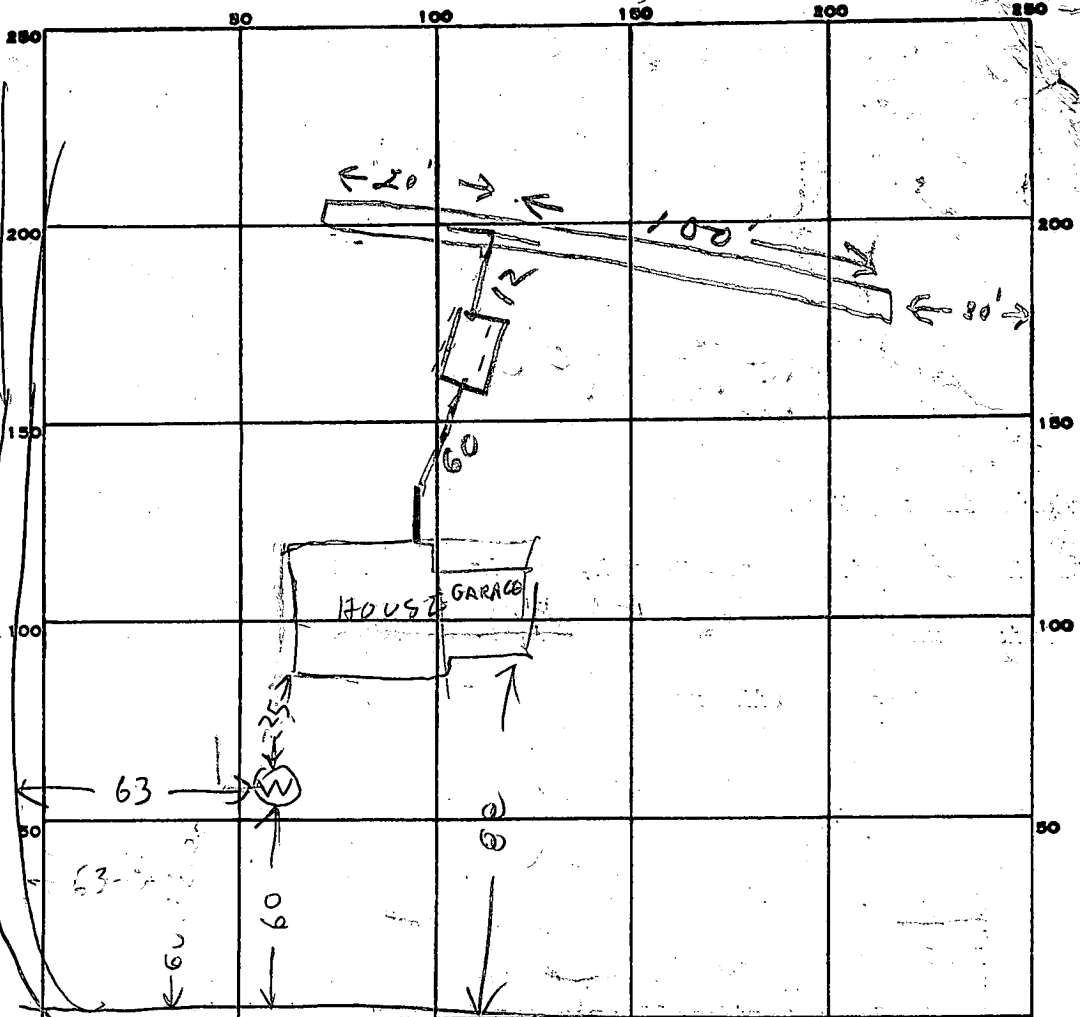
*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 27480

VIBURNUM DRIVE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.
BETULA WAY

120
55
600
600

PERMIT CARD

SK
OK

SEPTIC TANK, LEVEL 1500 TOP 3 1/2 ft CLEANOUTS _____
 * to 4 FT below ground but grade to be cut in area of Tank
 DISTRIBUTION BOX, LEVEL _____
 There is a 8 1/2 There is a 2 5 FT long cleanout pipe
 TILE FIELD, DEPTH _____ FT. TRENCH WIDTH _____ FT. on tank now
 GRAVEL DEPTH 5 1/2 IN. TOTAL LENGTH 120 FT. We can use that
 NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 660 to check depth
 SEEPAGE PITS, INSIDE DIAMETER _____ FT. DEPTH BELOW INLET _____ FT.
 ABSORBENT AREA 660 SQ. FT.

REMARKS 8/23/84 - NOTHING DONE RIT
8/29/84 OK to add stone in trench & Rock in spots,
can not get 8 1/2 ft deep - so trench is longer than called
for & 8/30/84 - OK TO BACKFILL TANK & HOUSE SEWER
FINISH DITCH & CALL RIT
8/31/84 OK to cover all work &

DATE SYSTEM APPROVED 8/31/84 INSPECTOR Stager

FIELD SHEET

KALMIA FARMS Lot 16
Sect 2

11/20/79	1D	13	208	211	211	218	7	
11/30/79	1S	4	207	211	217	215	4	LOW
	2V	12	ALL SANDY					HIGH
	3S	4	226	229	229	235	6	LOW
	3D	12 1/2	227	229	229	238	9	
	4V	12 1/2	DANGER CAVE IN NOT TEST ALL SAND DRY					HIGHEST USED FOR DW
	4S	2 1/2	238	240	240	245	5	

Kalmia Farms

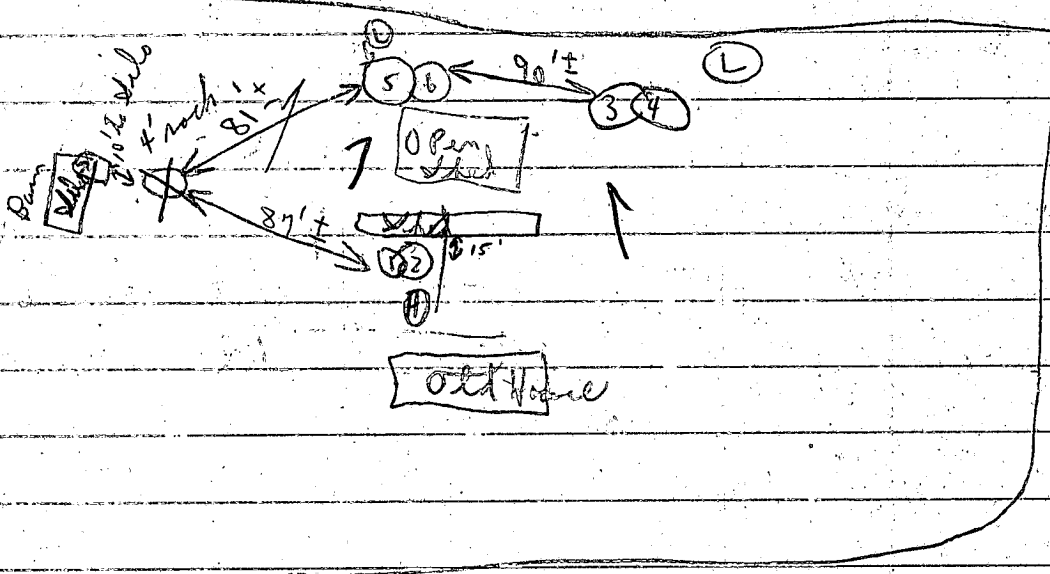
#16
 Sec 2
 5/11/78

Soil Profile	# of hole	Depth	1 st	2 nd	Finish	Total
	1	5'	11:11	11:14	11:18	4 m
Below clay loam	2	12 1/2'	11:12	11:18	11:28	10 m
	3	4'	11:03	11:05	11:13	8
	4 (1)	11'	11:04	11:07	11:24 ^{and}	17 m
	5	5'	11:06	11:07	11:09	2 m
	6 (L)	11 1/2'	11:06	11:14	11:27	13 m
	7					

Hold

(VOID)
 Use R.H.'s Tests

Tested near existing bldg



Road "C"

(See R.H. tests)

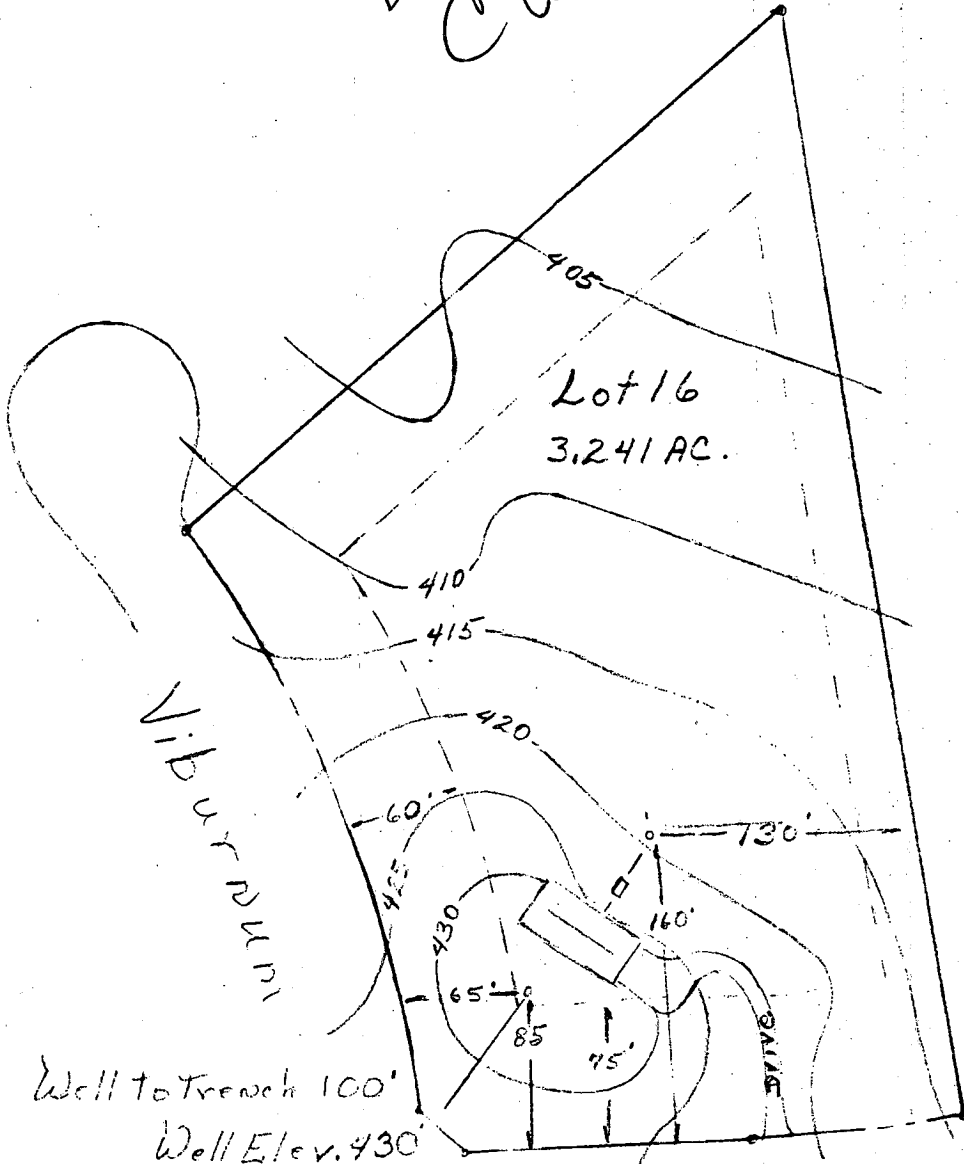
11/2/79 Remeasured Helen CBS Radcliff
& Boenda See page 1

Souder Builders Inc
 9335 Old Scaggsville Rd
 Laurel Md. 20707
 Ph. 725 5772

S/31/84
 ELEVATIONS OK
 C Williams

F.F. Elev. 432
 Base Elev. 423
 Elev. at time of perc. 419
 Exist. elev at trench 419
 Elev. of sewer at house 421
 Elev. at tank Inv. 420.66
 Elev. at tank Exist. 420.33
 Elev. at trench Inv. 416.50

House to tank 16'
 Tank to trench 22'



Krueger Rebecca Krocco
 Phone 9531100

Well to Trench 100'
 Well Elev. 430'

14701 Betula Way
 Kalmia Farms Sec 2 Lot 16
 Dayton Md. 21036

I certify that all elev. are actual & correct
 for this property
 Ronald Souder

Viburnum

MATCH LINE
SEE SHEET 6 OF 8

(63)

(58)

P. 575.00

L. 553.67

P. 625.00

L. 323.63

60'

MATCH LINE
SEE SHEET 4 OF 8

N 30° 23' 30" W 33.97'

Well

5/21/87
well site

LOT 16
3.241 AC

BRL

N 10° 21' 00" E 513.10

112.14

BETULA

LOT 15
3.435 AC

S 05° 20' 08" W 625.00

MATCH LINE
SEE SHEET 4
N 04° 35' 52" W 332.00

WAY

LOT 14
3.213 AC

2 564.35 SITE 40.00

N 05° 20' 08" E 615.00
SEE SHEET 3 OF 8

MATCH LINE
IS DRAINAGE AND
UTILITY EASEMENT

Kalmia Farms
Sec 2

OWNER /
KIMBURTHILL, INC
2901. OLNEY - SANDY SPRING
OLNEY, MARYLAND 208

B 7917 SEQUENCE NO. (OEP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

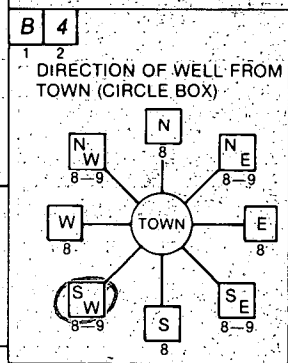
STATE OF MARYLAND PERMIT TO DRILL WELL
please print or type

OEP PERMIT NUMBER
H0-81-0533
fill in this form completely

Date Received 5/23/84
OWNER INFORMATION
Last Name: SOUDER, Owner: BUILDERS, First Name: ERIC
Street or RFD: 9335 OLD SCAGGSVILLE RD
Town: LORUEL, State: MD, Zip: 21057

LOCATION OF WELL
COUNTY: HOWARD
SUBDIVISION: KALMIA FARMS
SECTION: 2, LOT: 10
NEAREST TOWN: DAYTON
MILES FROM TOWN: 2 MI

DRILLER INFORMATION
Driller's Name: RAWH MAYNE, License No. 273
Firm Name: RALPH MAYNE (WELL DRILLING)
Address: 9120 Brown Church Rd. Mt. Airy
Date: 5/1/84



NEAR WHAT ROAD: URBURNUM DR.
ON WHICH SIDE OF ROAD: N (North)
DISTANCE FROM ROAD: 50 FT

WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.): 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
COUNTY NAME: HOWARD, COUNTY NO. A27480
OEP SIGNATURE: Frank Shuman, DATE ISSUED: 052184
NORTH GRID: 507000, EAST GRID: 0793000

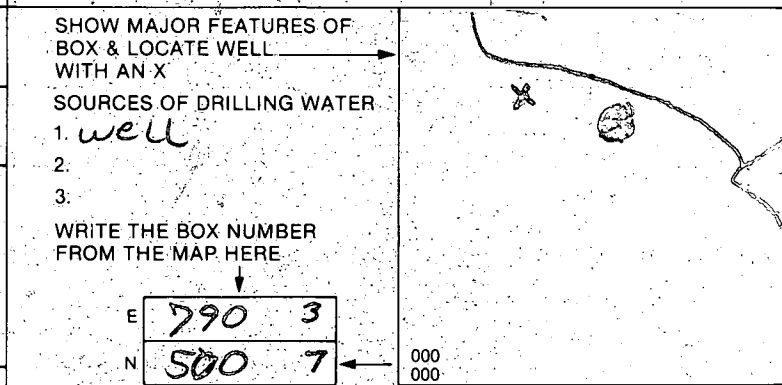
- USE FOR WATER (CIRCLE APPROPRIATE BOX)
D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL: 150 FEET

APPROXIMATE DIAMETER OF WELL: 6 INCH

METHOD OF DRILLING (circle one)
BORED (or Augered) AIR-ROTARY, AIR-PERCussion, CABLE
JETTED JETTED & DRIVEN, ROTARY (Hydraulic Rotary)
REVERSE-ROTARY, DRIVE-POINT

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



Not to be filled in by driller (OEP USE ONLY)
APPROP. PERMIT NUMBER: G A P
FORCE INITIALS: FS, PERMIT No.: H0-81-0533

SPECIAL CONDITIONS:

C1 **3417** SEQUENCE NO. (OEP USE ONLY)
 1 2 3 4 5 6
 (THIS NUMBER IS TO BE PUNCHED IN SOLS. 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 **A2 7480**

DATE Received [] [] [] [] [] [] DATE WELL COMPLETED **052284** Depth of Well **180** (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" **40-81-0533**

OWNER **Souder Builders, Inc.** last name **Viburnum Dr.** first name TOWN **Dayton**
 SUBDIVISION **Kalmia Farms** SECTION **2** LOT **16**

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	
Top Soil	0	2	
Sandy	2	40	✓
Sand Stone	40	45	
Micka	45	55	
Sand Stone	55	60	✓
Micka	60	180	

GROUTING RECORD
 WELL HAS BEEN GROUTED. YES NO
 (Circle Appropriate Box)
 TYPE OF GROUTING MATERIAL:
 CEMENT BENTONITE CLAY
 NO. OF BAGS **13** NO. OF POUNDS **1300**
 GALLONS OF WATER **78**
 DEPTH OF GROUT SEAL (to nearest foot)
 from **0** ft. to **30** ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 STEEL CONCRETE
 PLASTIC OTHER
 MAIN CASING TYPE Nominal diameter (nearest inch) **6** Total depth of main casing (nearest foot) **50**

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

SCREEN RECORD
 screen type or open hole insert appropriate code below
 STEEL BRASS OPEN HOLE
 PLASTIC OTHER

C2
 DEPTH (nearest ft.)
 EACH SCREEN 1 **140** **48** **180**
 2 [] [] [] [] [] [] [] [] [] []
 3 [] [] [] [] [] [] [] [] [] []
 SLOT SIZE 1 2 3
 DIAMETER OF SCREEN [] [] [] (NEAREST INCH)

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.

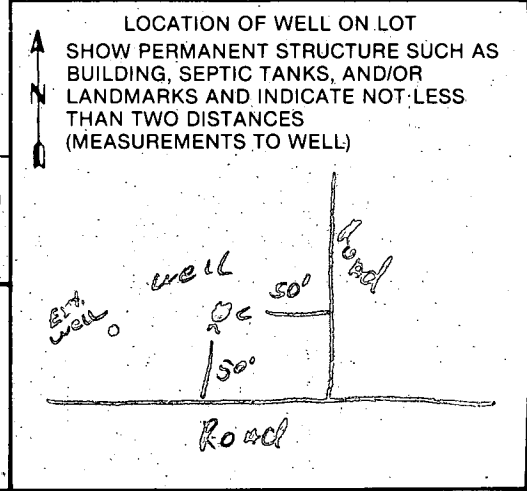
DRILLERS IDENT. NO. **273**
Ralph E. Mays
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
Ralph E. Mays
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

GRAVEL PACK [] from [] to []
 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

C3
PUMPING TEST
 HOURS PUMPED (nearest hour) **3**
 PUMPING RATE (gal. per min. to nearest gal.) **9**
 METHOD USED TO MEASURE PUMPING RATE **Bucket**
 WATER LEVEL (distance from land surface) BEFORE PUMPING **3.5** WHEN PUMPING **180**
 TYPE OF PUMP USED (for test)
 air piston turbine
 centrifugal rotary other (describe below)
 jet 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 }



2/25/84

- ① Pitless adapter OK & 4 ft underground
 - ② Ground wire not hooked up
 - ③ Pipe & wire hooked up
 - ④ Pressure Tank not hooked up
- B/H

DEPT. OF HEALTH
ENVIRONMENTAL
DIVISION
1000 B ST
MONTGOMERY, ALA 36102
FEB 25 1984

A27480

FILE Well Inspection

DATE REPORTED 12/7/82

PROPERTY OWNER _____

P. O. ADDRESS _____

DIRECTIONS TO PROPERTY Palmer Farms
20716 sec. 2

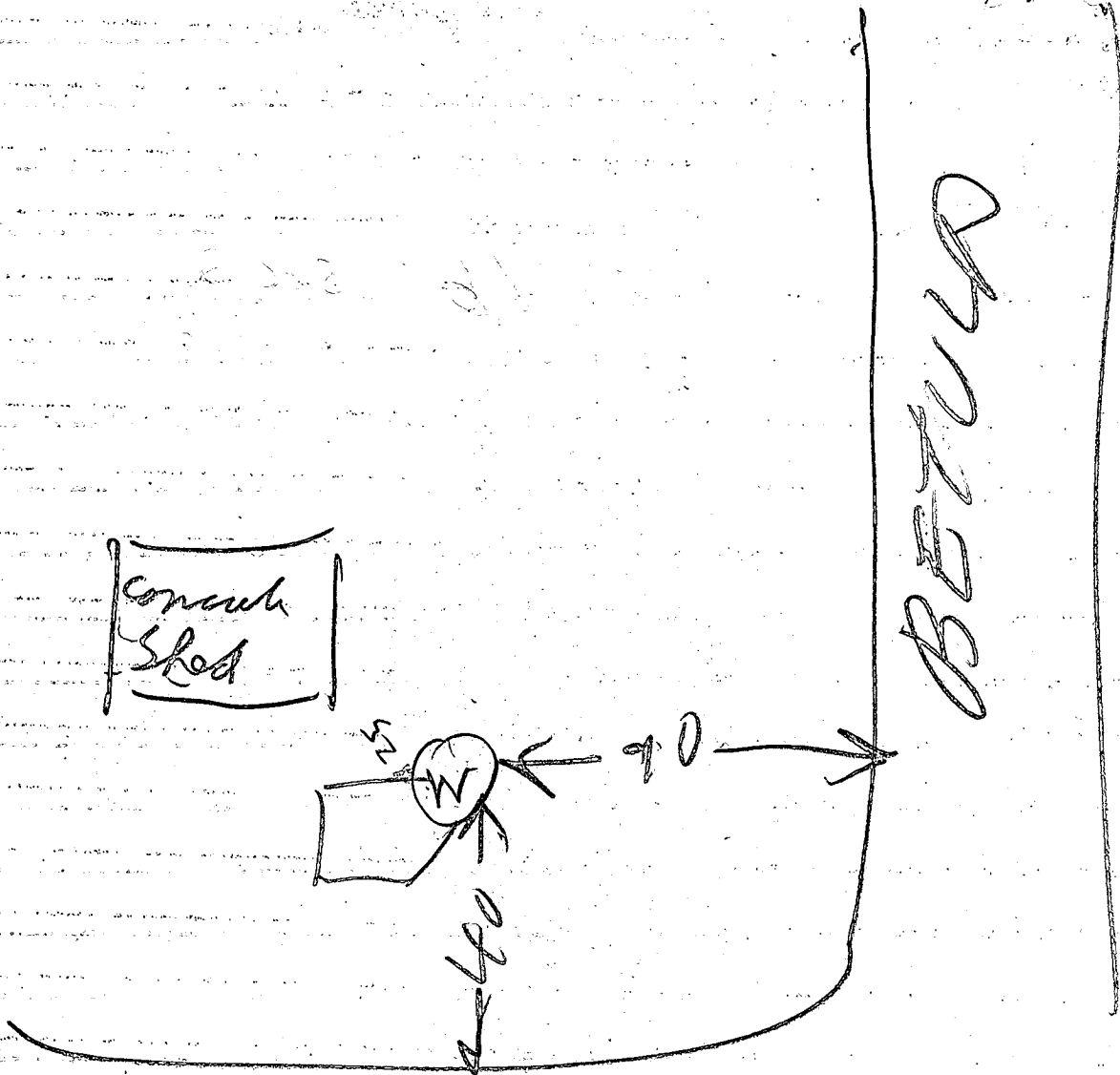
INFORMANT _____
Perc test attached
on lined sheet

CONDITION FOUND: 12/7/82 see other
side Old Well
found in old pit
It is probably a
drilled well

ACTION TAKEN: _____

FINAL DISPOSITION: _____

Kalma Farms Lot 18



VIBURNUM