PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Tax ID - 05-414520

P 47090

A 46282

DISTRICT

DATE 5/15/91

DATE SYSTEM APPROVED 5/29/91

INSPECTOR C.B.S.

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

Dennis Malcolm IS PERMITTED TO INSTALL X ALTER

ADDRESS 12040 Scaggsville Road PHONE

SUBDIVISION Malcolm Property LOT New 1 (Lot 5) ROAD 12040 Scaggsville Road

PROPERTY OWNER Dennis B. Malcolm

ADDRESS

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

240 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED (5/21 C.B.S.)

TRENCHES - Trench to be 3 feet wide. Inlet 5 feet below original grade. Bottom maximum depth 2 feet below original grade. Effective area begins at 6 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 100 feet from the front lot line and 100 feet from the left side of the lot as seen when facing the lot from Scaggsville Road. Run the trenches on contour toward both side lines. Install a cleanout every 70 feet on all sewer lines.

NOTE - KEEP SEPTIC TRENCHES 100 FEET FROM WATER WELL. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK 2/8/91 BSF

PLANS APROVED BY C. B. Streaker/Ray Hodges 5/21 & 5/22 DATE 1/2/91-1/18/91

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.

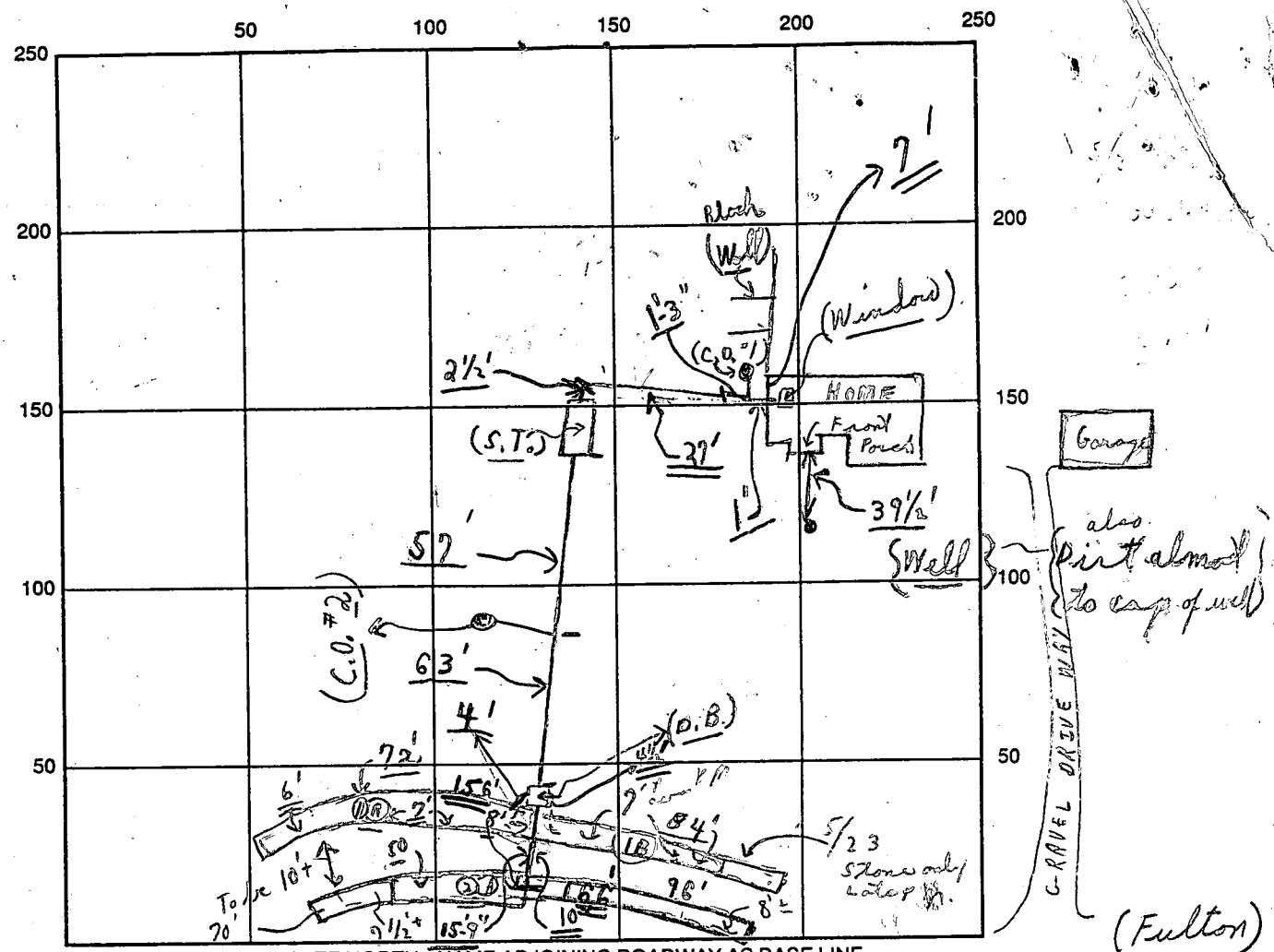
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

***INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**
***CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.**

HD-260(6-90)

46282

P1 of 2



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK CLEANOUTS ③ S.T. C.O.- RT 216 (C.O. #① near house) OK

DISTRIBUTION BOX LEVEL ✓ (Baffle is) (CONCRETE MANHOLE TYPE) (C.O. #② between tanks + D. Box. OK)

DRAIN FIELD/TITLE DEPTH 7' + average FT. TRENCH WIDTH 3 FT. INLET DEPTH 5 FT.

EFFECTIVE GRAVEL DEPTH 2 ± FT. (1A) + (2) (1B) 84 ± | 22' (1) = (2) 166 TOTAL LENGTH 166 FT. } 322

NUMBER OF TRENCHES (2 long one ed) ONE SIDEWALL/BOTTOM AREA 966 SQ. FT.

DRYWALL INSIDE DIAMETER —— FT. EFFECTIVE DEPTH BELOW INLET —— FT.

ABSORBENT AREA 966 SQ. FT.

REMARKS: A.M. Partial 5/21/91 - Tractor not running; Mud over pipes (?) from house to S.T. A.M. P.M. 5/21/91 #① trench 92'+ ± for stone - left side of trench when facing house from road; 5/21 P.M. 54' more dug on #① trench and 9 more to be dug ← Partial; C.B. Partial 5/22 Machine (broke down.) C.B. 5/22 P.M. - Partial - some stone in trench; C.B. HOLD FOR D. CELL C.B. ① 5/23 Partial ok to cover (1A) 62'± of trench with pipes on - 10'± not connected to D.B. yet

DATE SYSTEM APPROVED 5/29/91 INSPECTOR Charles B. Streeter

② { 5/23 Late P.M. Trip (2) 7'+ average 50'± Deep left side ok for stone - C.B. } Partial → 80' Long Unfinished Long ① 5/24 (2:00 P.M.) c.w. Partial → 80' Long - Machine down again

Pg. 1 of 2

10/2/90 10:10 10-4-90 10:00am

APPLICATION

A 4628Z

P

PERCOLATION TESTING

REVISED — TENANT HOUSE PROPOSAL AT THIS TIME. FUTURE SUBD. PLANNED. MUST PERC EXISTING HOUSE (310 REPAIR FEE) TO ESTABLISH 10,000 SQ FT EASEMENT APPLICANT PROPOSES TO RELOCATE SEPTIC SYSTEM AT THIS TIME IF POSSIBLE TO PROVIDE EASEMENT SERVICE! C.W.

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

DISTRICT

DATE August ~~23~~ 28, 1990

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 DENNIS B. MALCOLM

ADDRESS 2001 Briggs Chaney Road, Silver Spring, MD 20905 PHONE (301) 384-9172

PROSPECTIVE BUYER Mr. & Mrs. Robert Falkenberg

ADDRESS Unknow---Just moving to the area PHONE

PROPERTY LOCATION:

SUBDIVISION LOT NO. 2

ROAD AND DESCRIPTION ~~12044~~ 12040 Scaggsville Road, Fulton, MD 20759

TAX MAP 41 PARCEL # 67

BLDG. PERMIT SIGNED AND RETURNED 2/6/91
Serial # 36477-
Storage Shed

BLDG. PERMIT SIGNED AND RETURNED 2/6/91
SFD-36476-

SIZE OF LOT 3 acres TYPE BLDG. Single Family Dwelling
(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. Dennis B. Malcolm
(SIGNATURE OF APPLICANT)

APPROVED BY FOR DATE

REJECTED BY FOR DATE

HOLD PENDING FURTHER TESTS DATE

REASONS FOR REJECTION OR HOLDING 10-2-90 Pending further testing to create 10,000 sq ft. easement. JEN → 10-4-90 Holding for certified hole, house site and water well C.B.

10/5/90 Send letter—

HD-216

THIS IS NOT A PERMIT

LOT #2

A46282

① SOIL PROFILE

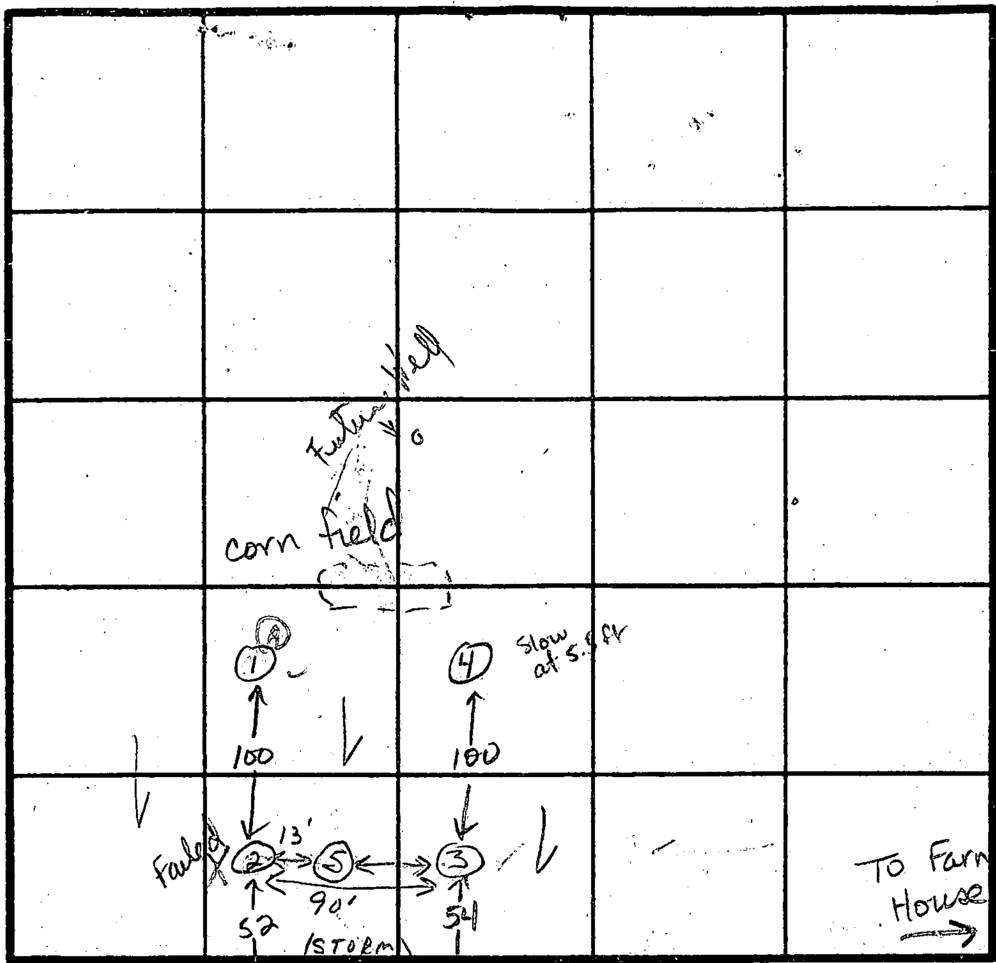
0-2.0	Dk br org topsoil
2.0-3.5	Yellow br s c l
3.5-13.5	Tan mica sa s l <20% saprolite
13.5	Bottom dry

②

0-2.0	Dk br org topsoil
2.0-5.0	Br s c l, <10% qtz frags
5.0-11.5	Red mica sa s l, <40% saprolite
11.5	Bottom

④ ③

0-1'	Br org s c l, topsoil
1.0'-5.5'	Br s c l trc of broken rock <5%
5.5'-13.0'	Red mica sa s l <5% saprolite
13.0'	Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Centerline road Route 216

DATE	TEST NO.	DEPTH	PRE-WET START	PRE-WET STOP	TEST - 1" DROP START	TEST - 1" DROP STOP	TIME
10-2-90	See Profile ↓ 1	13.5 V	(see	profile)			ok
↓	2	5.5 S 9.5 M	3:27 3:29	3:42 3:45	1/8 inch no movement		slow
		11.5 D	Bottom				Failed
	3	5.0 S 8.5 M	3:00 3:03	3:03 3:06	3:03 3:06	3:10 3:10	7 min 4 min
		13.5 D	Clay to 5.5 ft Rocky (qtz vein) at 12.0'			<15% rx	ok
	4	5.5 S 8.5 M	3:13 3:06	3:24 3:15.	no movement 3:15	3:43	28 min
↓	10-4 6'	6.0 S 13.0' D	10:18 Bottom	10:34 (see	10:34 profile)	11:04	30 min OUT
10-4	5½'	5S 5½'	10:45	10:47	10:49 2 min	10:49	2 min
		D 11½'					
10-4	1A	4'	11:20	11:22	11:22	11:26	4 min

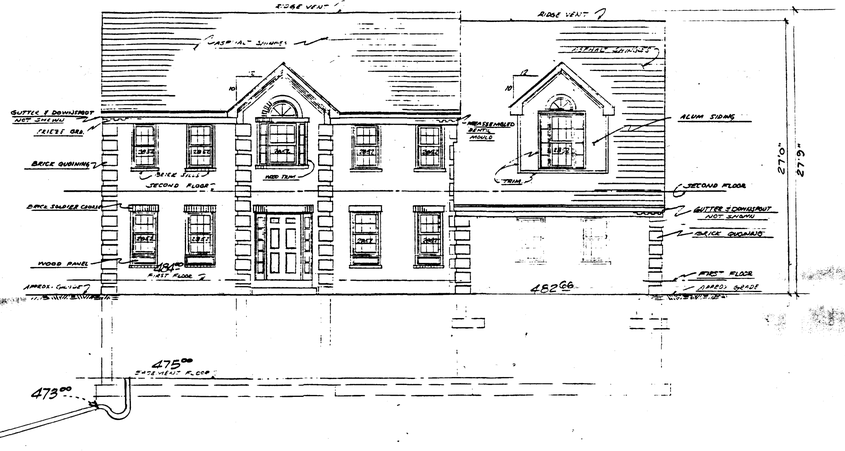
$\bar{X}$ = 12 min

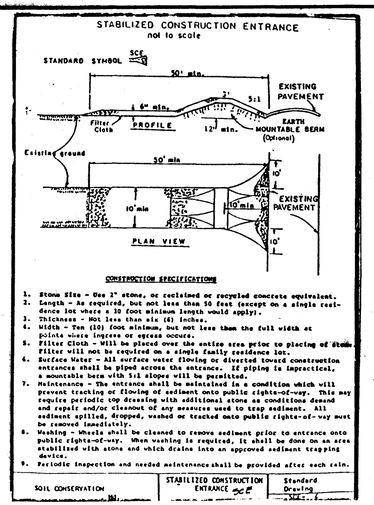
REC. 220 sq. Ft./BR
INLET 5'
MAX DEPTH 8'
3' wide
good gland
5½' ± avg

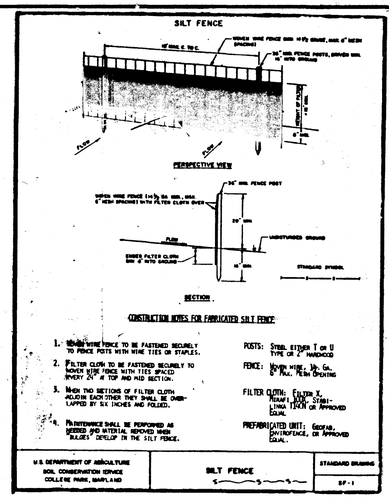
REMARKS TEST in Corn field at edge Rt 216 - near storm drain Fulton Estates across St.
Hold for certified holes perc, House site well site & lot lines

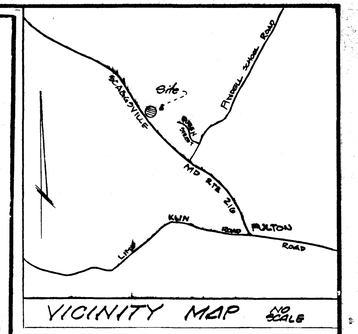
TYPE OF SOIL

10-1-90 → TESTED BY J. Nadean / J. Goetcheus ALSO PRESENT Mr. Malcolm
10-2-90 → 10/4/90 → " " AND C.B.C. " " + another man









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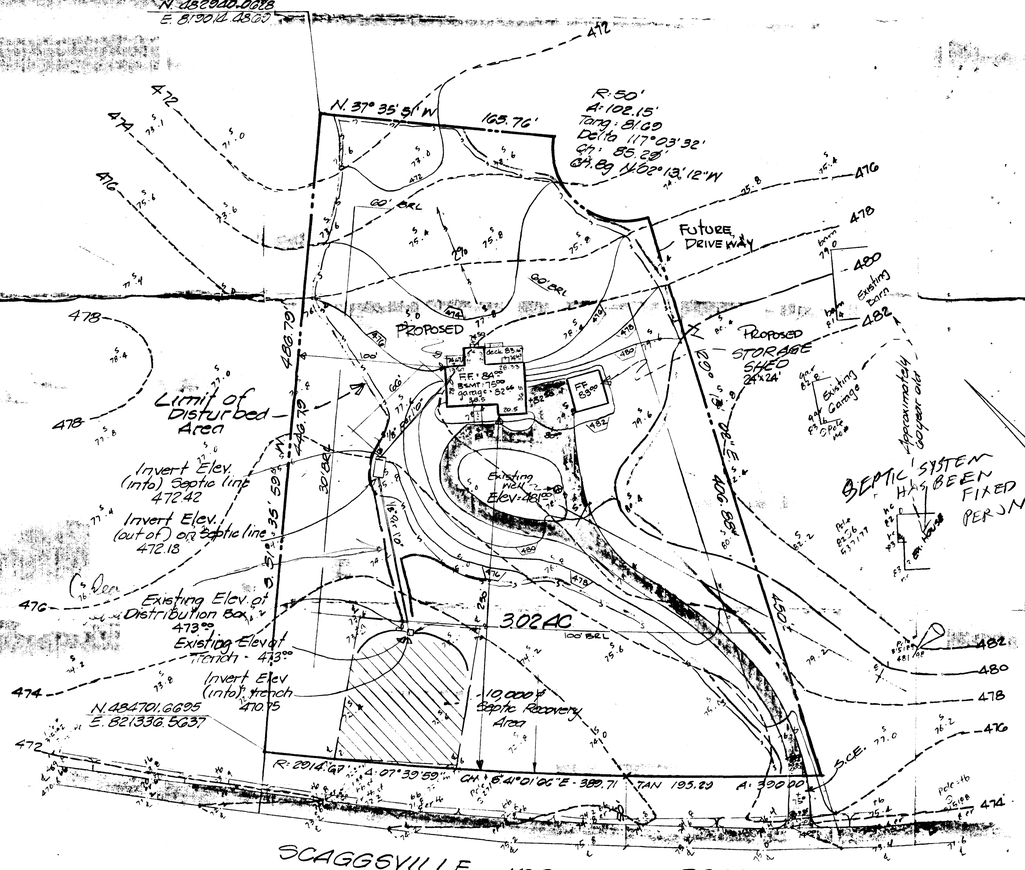
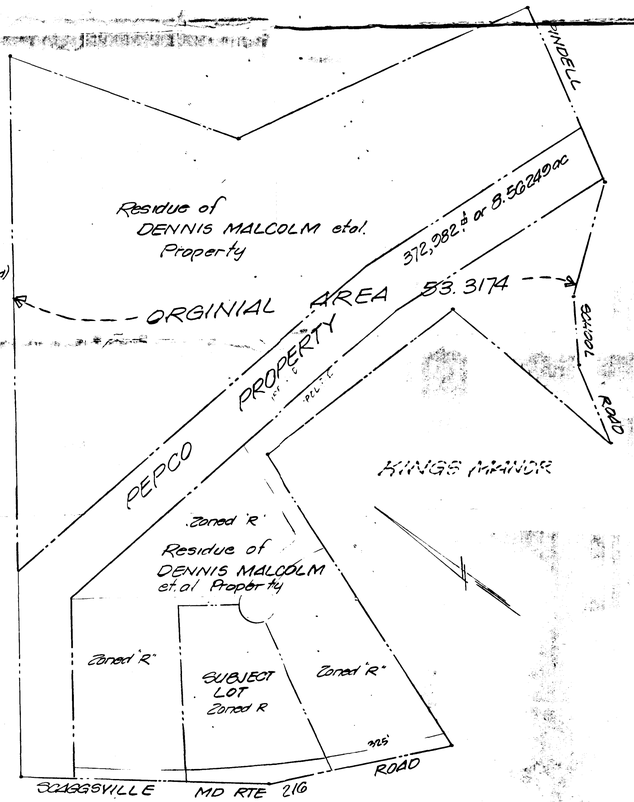




NOTES:
1. Total area of property conveyed:
   Orginially = 53.3174 ac. (deed)
   Pepco taking = 8.5625 ac.
   Area North of Pepco = 25.8024 ac.
   Area South of Pepco = 18.9421 ac.
2. Owner: Dennis Malcolm et al. L. 1263 F. 538
3. Zoning = 'R'
4. Tax Map 41, Parcel

Elevations Required

Basement elevation	475.00
First floor elevation	484.00
Invert out of house	473.00
Invert into septic tank	472.42
Invert out of septic tank	472.18
Invert into distribution box	470.98
Invert into trench(s)	470.75
Existing grade at septic tank	476.00
Existing grade at distribution box	473.00
Existing grade at trench(s)	473.00
Elevation of well at grade	481.00

NOTE: Length and detail of trenches to be determined by Howard County Health Department.

7/6/91
PLANS OK
R HODGES

STATE OF MARYLAND
JOHN KERWYN KEITH
No. 10858
REGISTERED PROFESSIONAL LAND SURVEYOR

APPROVED: For private water and private sewerage systems, Howard County Department.

Howard County Health Officer — Date

This area designates a private sewage easement of 10,000 sq.ft. as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage 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 private sewage easement. Recordation of a modified sewage easement shall not be necessary.

Owner / Developer
Dennis Malcolm
2001 Brigge Chaney
Silver Spring, Md
20904
301-384-0172

SITE DEVELOPMENT PLAN
Tax Map 41 Parcel 67
MALCOLM PROPERTY
CLARKSVILLE DISTRICT
HOWARD COUNTY, MARYLAND

DESIGNED BY KEC	SCALE 1"=50'	DATE Jan. 18, 1991	PHONE: 422-6080
DRAWN BY KEC	Light, Elliott, & Associates ENGINEERS PLANNERS SURVEYORS 8508 ADELPHI ROAD • ADELPHI, MARYLAND 20783		
APPROVED BY	SEE FOLDER	JOB NO. MD-1131	FILE NO. LS-1761

8/1/95
9:30
Meet driller

SITE INSPECTION SHEET

OWNER: Robert Falkenberg

DATE REQUESTED: _____

PHONE #: 301-317-0943.

~~CONTRACTOR~~: Driller: Abbott Well Drilling

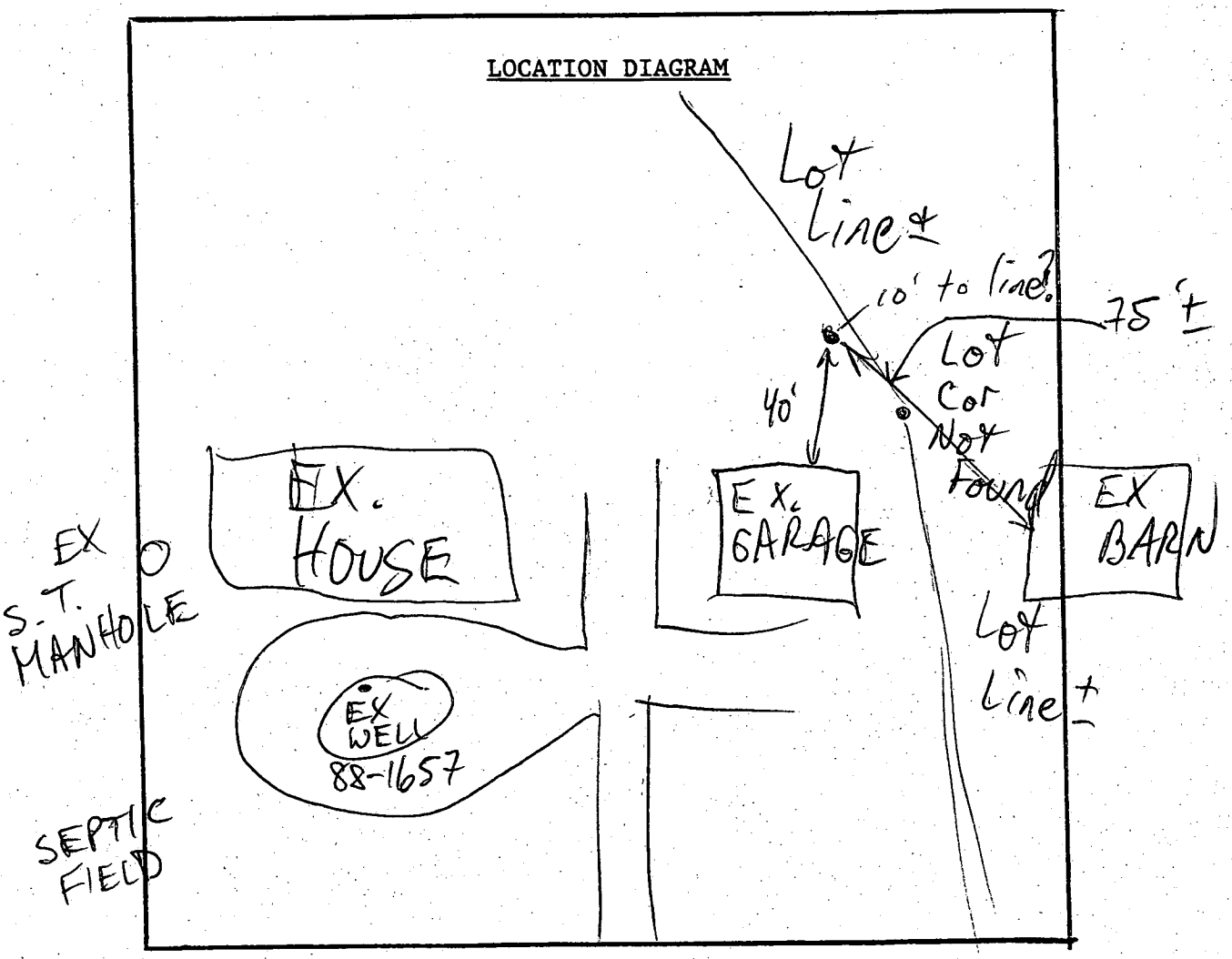
SITE ADDRESS: 12054 Scaggsville Rd Fulton (Malcolm Prop Lot 1)

WELL TAG #: _____

COUNTY #: _____

PROPOSAL: well going dry, additional well requested, existing well probably will be maintained

LOCATION DIAGRAM



COMMENTS: _____

DATE: _____ INSPECTOR: _____

C 1 | 2801 — SEQUENCE NO. (MDE USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 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 A 46282

ST/CO USE ONLY
DATE Received

DATE WELL COMPLETED 08/19/95

Depth of Well 800 (TO NEAREST FOOT)

OK 9/6/95 DS

PERMIT NO. FROM "PERMIT TO DRILL WELL" AN-94-06449

OWNER Folkenburg (last name) Robert (first name)
STREET OR RFD 12054 Scaggsville Rd TOWN Fulton
SUBDIVISION MALCOLM PROP SECTION LOT 1

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 FROM	FEET TO	check if water bearing
TOP SOIL	0	3	
BROWN & RED Shell	4	70	
Blue Slate GREEN Rock	71	800	✓
GOT WATER AT		460	

NUMBER OF UNSUCCESSFUL WELLS: —

WELL HYDROFRACTURED yes (Y) no (N)

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 26.04.04 "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.

TYPE (MWD) MSD/MGD
DRILLERS LIC. NO. 410
Gary W Ashcraft
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
LIC. NO.

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

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box) yes (Y) no (N)
TYPE OF GROUTING MATERIAL (Circle one)
CEMENT (CM) BENTONITE CLAY (BC)
NO. OF BAGS 5 NO. OF POUNDS 250
GALLONS OF WATER 80
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 82 ft.
(enter 0 if from surface)

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

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)!	Total depth of main casing (nearest foot)
ST	6	84

OTHER CASING (if used) — EACH CASING

diameter inch	depth (feet) from	to

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

C 2

EACH SCREEN	DEPTH (nearest ft.)
1	410 to 483
2	
3	

SLOT SIZE 1 ____ 2 ____ 3 ____
DIAMETER OF SCREEN ____ (NEAREST INCH)

GRAVEL PACK from ____ to ____
IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) W Q
70 72 74 75 76
TELESCOPE CASING LOG INDICATOR OTHER DATA

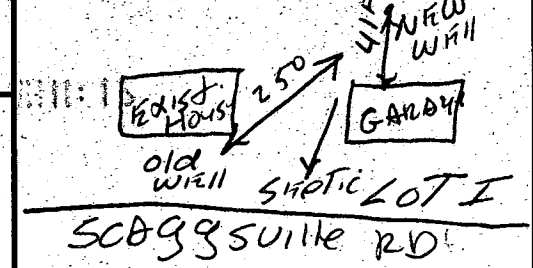
C 3

PUMPING TEST
HOURS PUMPED (nearest hour) 4
PUMPING RATE (gal. per min.) 6.
METHOD USED TO MEASURE PUMPING RATE Submersible
WATER LEVEL (distance from land surface)
BEFORE PUMPING 35 ft.
WHEN PUMPING 200 ft.

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 (CIRCLE) (YES or NO) YES (NO)
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29.
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 2

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)



COUNTY

EMERGENCY/TEMP NO. IF ANY

B 1 | 9932 SEQUENCE NO. (DP USE ONLY)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
please print or type

STATE PERMIT NUMBER: H0-88-1657
fill in this form completely

Date Received (APA): 12490

OWNER INFORMATION
MALCOLM ARCHERS INC
Last Name / Owner / First Name
3011 PARKS CHAPEL RD
Street or RFD
SILVER SPRING MD 20904
Town / State / Zip

DRILLER INFORMATION
George F. Easterday — License No. 40
Driller's Name
L. Franklin Easterday, Inc.
Firm Name
9265 Brown Church Rd. MT. Airy, Md. 21771
Address
George F Easterday — 12/12/90
Signature / Date

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)

APPROXIMATE DEPTH OF WELL: 200 FEET

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)
CABLE — REVerse-ROTary — DRive-POINT
other

REPLACEMENT OR DEEPENED 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 DEEPEN AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENDED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)
APPROP. PERMIT NUMBER: GAP
FORCE: CM (WRITE INITIALS IN BOX) PERMIT No. H0-88-1657

SPECIAL CONDITIONS.

LOCATION OF WELL
HOWARD — 8 COUNTY
23 SUBDIVISION
SECTION — LOT 2
FULTON — 52 NEAREST TOWN
MILES FROM TOWN (enter 0 if in town): 1 M

DIRECTION OF WELL FROM TOWN (CIRCLE BOX): NW 8-9 | N 8 | NE 8-9 | W 8 | TOWN | E 8 | SW 8-9 | S 8 | SE 8-9

Rt 216 — NEAR WHAT ROAD

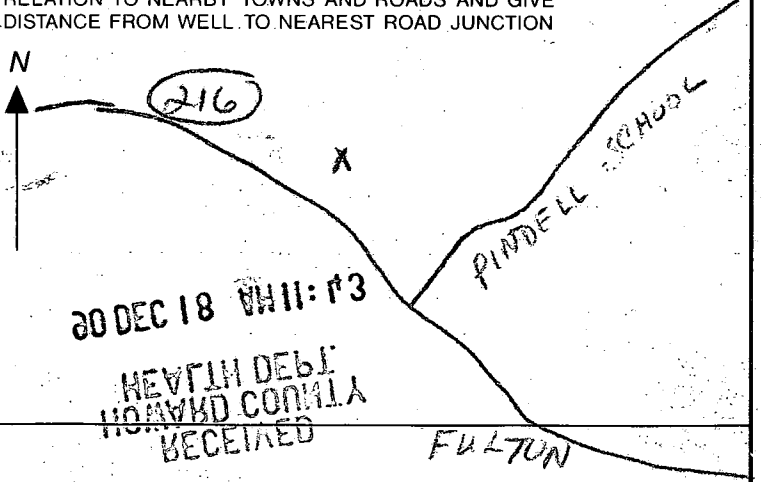
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): NORTH (N) | WEST (W) | 32 | EAST (E) | SOUTH (S)

DISTANCE FROM ROAD: 400
ENTER FT or MI: FT

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL
HOWARD — COUNTY NAME — COUNTY NO. 46282
STATE SIGNATURE — INSERT S
DATE ISSUED: 010291 — CO SIGNATURE: Charles Brown — EXP. DATE: 02/02/91
NORTH GRID: 482000 — EAST GRID: 081900

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
4/15/91 NO USP
SOURCES OF DRILLING WATER
1. well
2.
3.
WRITE THE BOX NUMBER FROM THE MAP HERE
E 818
N 486
000 000

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



90 DEC 18 AM 11:13
HEALTH DEPT
HOWARD COUNTY
RECEIVED

COUNTY

STATE OF MARYLAND
WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY
PLEASE PRINT OR TYPE

SEQUENCE NO. (DENV USE ONLY): 0828 (1 2 3 6)
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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

COUNTY NUMBER: A# 4628

STACO USE ONLY
DATE Received (8–13)

DATE WELL COMPLETED: 01/15/91 (15–20)

Depth of Well: 310 (22–26) (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL": HO-88-1657 (28–37)

OWNER: MALCOLM BROTHERS INC.
last name / first name
STREET OR RFD: RT 216 TOWN: FULTON
SUBDIVISION: MALCOM ACRES SECTION: — LOT: 2

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 FROM	FEET TO	Check if water bearing
top soil	0	3	
Shiley	3	80	
Brown Mica	80	120	
Tan Mica	120	360	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle Appropriate Box): yes (Y) 44 / no (N) 44
TYPE OF GROUTING MATERIAL
CEMENT (CM) BENTONITE CLAY (BC) (45–46)
NO. OF BAGS 19 NO. OF POUNDS 950
GALLONS OF WATER 195
DEPTH OF GROUT SEAL (to nearest foot)
from 0 (48–52 TOP) ft. to 14 (54–58 BOTTOM) ft.
(enter 0 if from surface)

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

MAIN CASING TYPE	Nominal diameter top (main) casing (nearest inch)	Total depth of main casing (nearest foot)
ST (60–61)	6 (63–64)	95 (66–70)

OTHER CASING (if used) — EACH CASING

diameter inch	depth (feet) from	to

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

C 2 (1–2)

EACH SCREEN

		DEPTH (nearest ft.)	
1	HO (8–9)	97 (11–15)	120 (17–21)
2	(23–24)	(26–30)	(32–36)
3	(38–39)	(41–45)	(47–51)

SLOT SIZE 1 ____ 2 ____ 3 ____
DIAMETER OF SCREEN (56–60) (NEAREST INCH)
from ____ to ____
GRAVEL PACK
IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 (68)

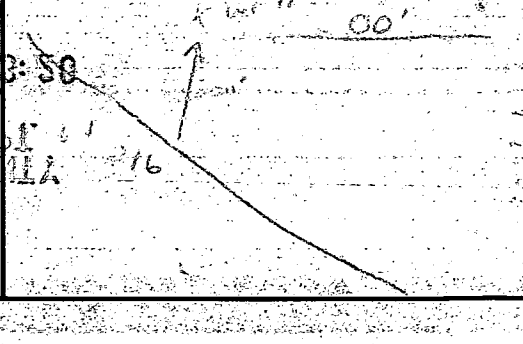
C 3 (1–2)

PUMPING TEST
HOURS PUMPED (nearest hour): 6 (8–9)
PUMPING RATE (gal. per min. to nearest gal.): 3 (11–15)
METHOD USED TO MEASURE PUMPING RATE: Bail
WATER LEVEL (distance from land surface)
BEFORE PUMPING: 35 (17–20)
WHEN PUMPING: 37 (22–25)

TYPE OF PUMP USED (for test)
A air (27); P piston (27); T turbine (27); C centrifugal (27); R rotary (27); O other (describe below) (27); J jet (27); S submersible (27)

PUMP INSTALLED
DRILLER WILL INSTALL PUMP (CIRCLE) (YES or NO): 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: (29)
CAPACITY: GALLONS PER MINUTE (to nearest gallon) (31–35)
PUMP HORSE POWER (37–41)
PUMP COLUMN LENGTH (nearest ft.) (43–47)
CASING HEIGHT (circle appropriate box and enter casing height) above (+) / below (—) (49) LAND SURFACE (nearest foot) 2 (50–51)

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)



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 26.04.04 "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. 411
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
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 (70) (E.R.O.S.) (72) (74–76) OTHER DATA
TELESCOPE CASING; LOG INDICATOR

COUNTY