

final
A.M. please 12/17/82
12/18/82

Approved 12/18/82
Stayer

PERMIT

P 32341
A 31711

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

04-342275
INDEX

ELLICOTT CITY
DISTRICT 4th

DATE Nov. 30, 1982

Herman Sirk IS PERMITTED TO INSTALL X ALTER

ADDRESS 2555 Jennings Chapel Rd., Woodbine, Md. 21797 PHONE 289-4724

SUBDIVISION Mill Green ROAD 3268 Jones Rd. LOT Parcel A

PROPERTY OWNER Kenneth H. Daly

ADDRESS 3274 Jones Rd., Woodbine, Md. 21797 Phone: 489-4511

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

GARBAGE GRINDER? YES _____ NO X

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

TRENCH - AND DRY WELL - 150 sq. ft. sidewall area per bedroom. Dry well inlet max. to be 3 ft. below original grade and dry well bottom to be 9 ft. below original grade. Place the dry well 300 ft. from the front lot line and 175 ft. from the right lot line as seen when facing the lot from the front lot line. Add a trench off dry well to make necessary additional absorbent area after a 5 ft. earth buffer. Ditch is to be 9 ft. deep below original grade, with inlet at 4 ft. deep below original grade and filled with 5 ft. of stone. Run ditch on level ground toward perc Hole #4 which is located 410 ft. from the front lot line and 200 ft. from the right lot line as seen when facing the lot from the front lot line. (The front lot line is the 948.04 ft. long lot line)

PLANS APPROVED BY Raymond Hodges DATE 9/2/82

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.

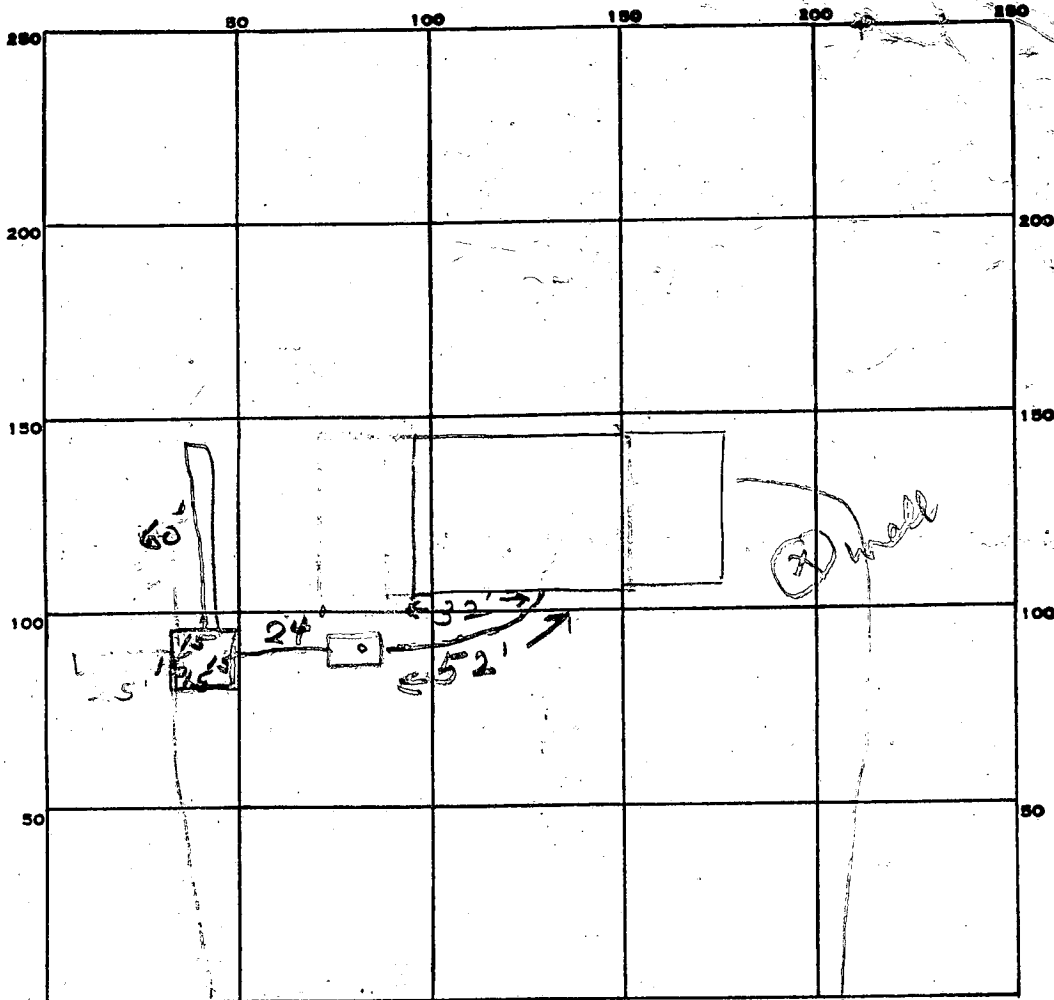
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 31711



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Jones Rd

PERMIT CARD ✓

SEPTIC TANK, LEVEL ✓

1500 gal

CLEANOUTS ✓

ST/DW

DISTRIBUTION BOX, LEVEL ✓

TILE FIELD, DEPTH 9 FT.

FT.

TRENCH WIDTH 2 FT.

FT.

360
360

GRAVEL DEPTH 6 IN.

IN.

TOTAL LENGTH 60 FT.

FT.

NUMBER OF TRENCHES 2

2

TOTAL BOTTOM AREA 360

360

SEEPAGE PITS, INSIDE DIAMETER 60 FT.

60

FT.

DEPTH BELOW INLET 6 FT.

6

FT.

ABSORBENT AREA 720 SQ. FT.

720

SQ. FT.

REMARKS 12/1/82 OK to add stones in trenches. JF

12/1/82 OK to add stones in trenches. JF

12/8/82 OK to cover all work JF

12/8/82 OK to cover all work JF

DATE SYSTEM APPROVED 12/8/82

12/8/82

INSPECTOR Stager

Stager

Recorded

*11/23/81
9:30 A.M.*

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 31711

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX ⁴⁷⁶ ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 4th

DATE 11/20/81

BLDG. PERMIT SIGNED
AND RETURNED 9/20/82
Serial # 50672

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 H. Kenneth Daly

ADDRESS 3274 Jones Road, Woodbine, Md. 21797 PHONE 301-489-4511

PROPERTY LOCATION:

SUBDIVISION Mill Green LOT NO. Parcel A

ROAD AND DESCRIPTION 3274 Jones Road OPPOSITE POND BIG WHITE HOUSE NO # OR NAME ON MAILBOX

SIZE OF LOT 3 acres TYPE BLDG. Frame - 4
(NUMBER OF BEDROOMS)

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. H. Kenneth Daly
(SIGNATURE OF APPLICANT)

APPROVED BY BH FOR D. W. [Signature] DATE 9/2/82

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 11/23/81 HOLD FOR REVIEW WITH FS

12/16/81 FS SAID PERC OK CERTIFIED HOLES NEEDED IN SECTION OF EXISTING SEPTIC SYSTEM OF FARM HOUSE NECESSARY

9/21 FS said OK to write spec

THIS IS NOT A PERMIT

SOIL PROFILE

0'

10'

20'

30'

40'

50'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS _____

TYPE OF SOIL _____

TESTED BY _____ ALSO PRESENT _____

EH-12-1079

Recorded

APPLICATION

A 31711

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 4th

DATE 11/20/81

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 H. Kenneth Daly

ADDRESS 3274 Jones Road, Woodbine, Md. 21797 PHONE 301-489-4551

PROPERTY LOCATION:

SUBDIVISION Mill Green LOT NO. Parcel A

ROAD AND DESCRIPTION Jones Road

SIZE OF LOT 3 acres TYPE BLDG. Frame - 4
(NUMBER OF BEDROOMS)

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.

H. Kenneth Daly
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

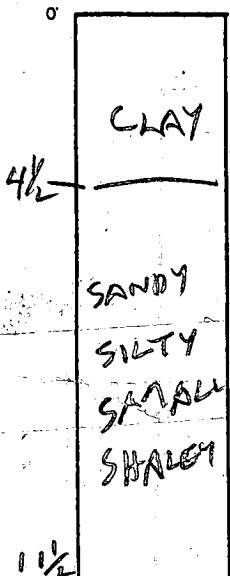
REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

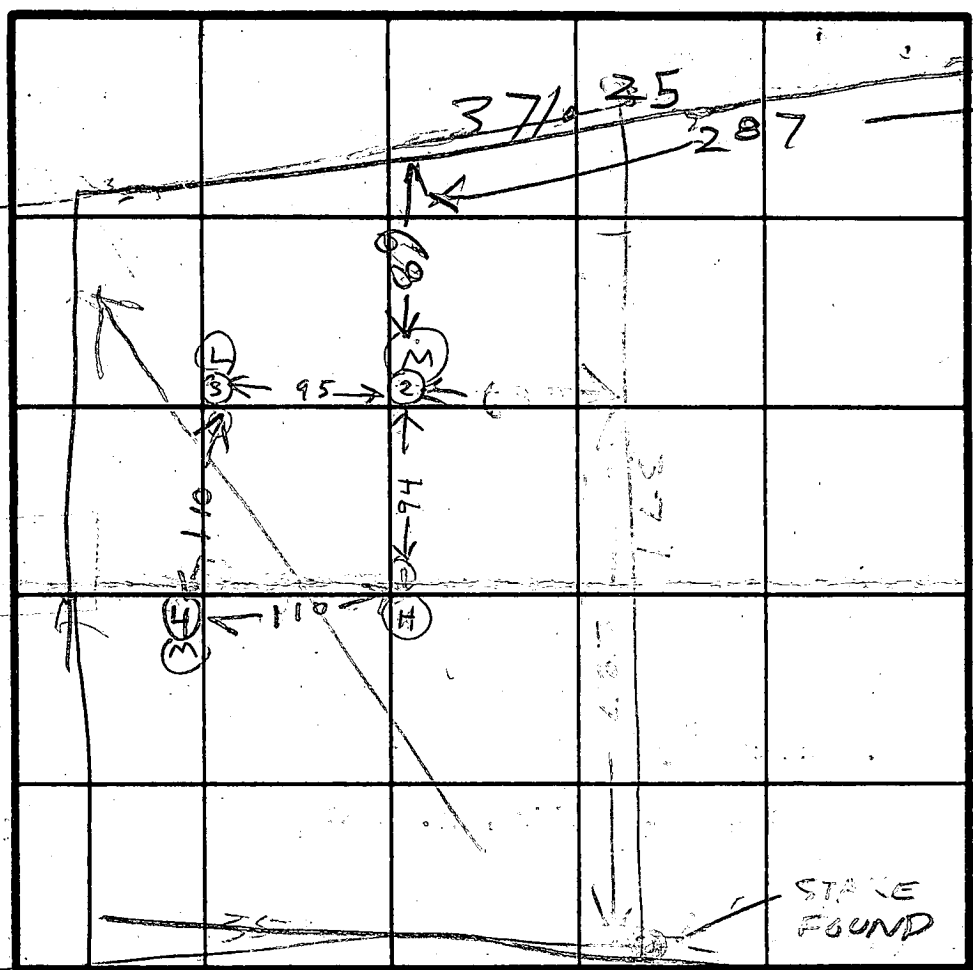
REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

②
SOIL PROFILE



HOLE ELEVATIONS
① = HIGHEST
② = MEDIUM
③ = LOWEST



8/26/82
Inlet 2 1/2' x 3'
per F.S.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1' DROP		TIME	
			START	STOP	START	STOP		
11/23/81	1S	2 1/2	1118	1124	1124	1136	12	
	1D	2 1/2	1136	1141	1141	1153	13	
	1V	11	TALL LEFT SANDY SHALEY	SILTY SMALLS	DRY	SOFT BOTTOM		
	2S	3	1202	1220	LITTLE PERC SLOW			
	SD	3 1/2	1203	1207	1207	1215	8	
	2M	5	1237	1255	1255	120	25	
	2V	11 1/2	SEE SOIL PROFILE					
	3D	8	1219	1224	1224	1234	10	
	3S	2 1/2	1246	110	110	150 LBS PERC		
	4S	3 1/2	155	156	156	200	4	
	4V	11	ALL SANDY SILTY SMALL SHALEY & DRY SOFT BOT					
11/23/81	3V	11 1/2	TOP 4 FT CLAY					
			BOT SANDY SILTY SMALL SHALEY, DRY					

REMARKS LATE START & ROAD POTHOLES NOT ONLY ONE PERC HOLE NOT DUG
BACKHOLE DIGS 1 TO 11 FT ONLY

TYPE OF SOIL _____

TESTED BY R HODGES

ALSO PRESENT DALY OWNER
GLEN SCRIVNER BACKHOLE

PARCEL I
FIRST FARM
28/370

N 55° 57' E 2046.87'
863.28'

⑤
②
①
④

S 29° 58' E 948.43'

16.952' N. OF BORN N

26.023 ACRES

PARCEL A
H. K. DALY

FARM HOUSE
P. 1111
J. 1111

RD

R-35000
C-55405

42.005 ACRES

S 65° 12' W 850.10'

28/31
PARCEL

B 1 0776

SEQUENCE NO. (OEP USE ONLY)

8:00 AM

STATE OF MARYLAND

OEP PERMIT NUMBER

HO-734035

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

Pumped
8/10/82

PERMIT TO DRILL WELL

please print or type

fill in this form completely

Date Received

072282
8/22/82

B 3

LOCATION OF WELL

COUNTY

HOWARD

SUBDIVISION

ANNONDALE FARM

SECTION

LOT

1

NEAREST TOWN

FLORENCE

MILES FROM TOWN (enter 0 if in town)

3

OWNER INFORMATION

DAILY CORPORATION

846 OELLA AVE

ELLIOTT CITY MD 21045

B 1 Continued DRILLER INFORMATION

George F. Easterday

L.F. Easterday, Inc.

9265 Brown Church Mt. Arty, Md.

Signature: George F. Easterday Date: 7/20/82

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)

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (OR AUGERED)
AIR ROTARY (circled)
AIR PERCUSSION
ROTARY (HYDRAULIC ROTARY)
CABLE
REVERSE ROTARY
DRIVE POINT
other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

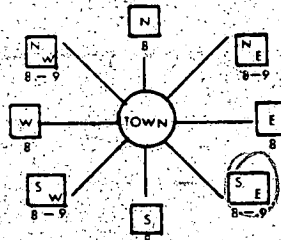
- (N) THIS WELL WILL NOT REPLACE AN EXISTING WELL THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
(Y)
(S) THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
(D) THIS WELL WILL DEEPEM AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

Not to be filled in by driller (OEP USE ONLY)

APPROX. PERMIT NUMBER GAP

FORCE 15 WRITE INITIALS IN BOX PERMIT No. HO-73-4235

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



JONES Rd NEAR WHAT ROAD

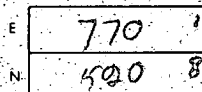
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) WEST EAST SOUTH NORTH. Distance from road: 1500

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

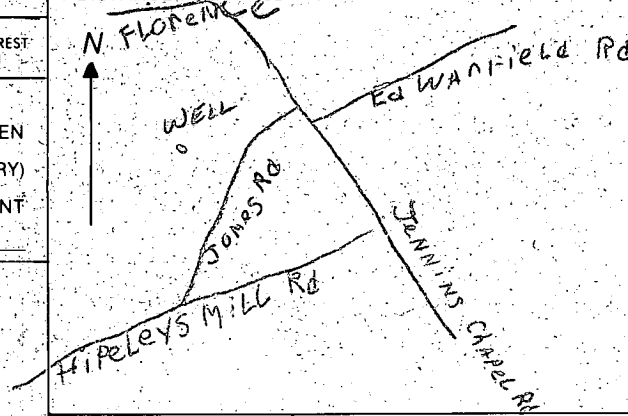
- 1.
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



LOCATION OF 77 CASINO 1/2 ABOVE GROUND 58' OPEN BAGS CEMENT 8-10-82

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



B 4 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD COUNTY NAME A31711 COUNTY NO.

OEP SIGNATURE DATE ISSUED 072982 CO SIGNATURE STATE HEALTH CIRCLE BOX 41

NORTH GRID 528 EAST GRID 0771 EXPIRES 012983

B 5 SPECIAL CONDITIONS 8-63

C1 3229

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 A 31711

Date Received (OEP use only)

DATE WELL COMPLETED

07/00

Depth of Well

340

(TO NEAREST FOOT)

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

HO-73-4235

OWNER Daly Corp.

Jones Road

TOWN Florence

SUBDIVISION Annandale Farm

SECTION

LOT 1

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 Top Soil, Brown shale, Green slate, Red shale, Brown slate, Blue slate, Green slate, Blue slate, Gray slate, Blue slate.

GROUTING RECORD. WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 16 NO. OF POUNDS 1600

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 77

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

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

DEPTH (nearest ft.) 75 340

- CIRCLE APPROPRIATE BOX 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...

DRILLERS IDENT NO. 100. DRILLERS SIGNATURE. SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

SLOT SIZE. DIAMETER OF SCREEN (NEAREST INCH) from to

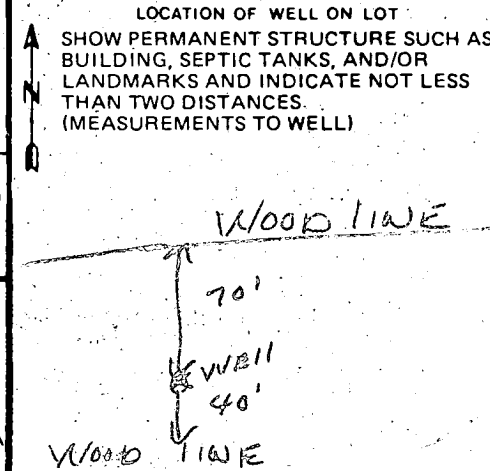
GRAVEL PACK. IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX F

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER). T (E.R.O.S.) WQ OTHER DATA. TELESCOPE CASING LOG INDICATOR

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 43 WHEN PUMPING 78. TYPE OF PUMP USED (for test) S submersible.

PUMP INSTALLED. DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) Y N. IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE. TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O)) 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 2 below. LAND SURFACE.



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 73-4235
 Location of property (road) Jones Road
 Subdivision Annondale Farm Lot 1 Block — Plat — Sec. —
 Well Driller _____ Owner Daly Corporation

Depth of well 340 1 1/2 c.m.
 Distance of measuring point (M.P.) above ground + 2'
 Static water level (S.W.L.) below M.P. 43

I. High rate pumping -- reservoir drawdown

Time pump started 9:30 Pumping rate 291m
 Total time 1 1/2 min to reach pumping water level 78 ft. below M.P.

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

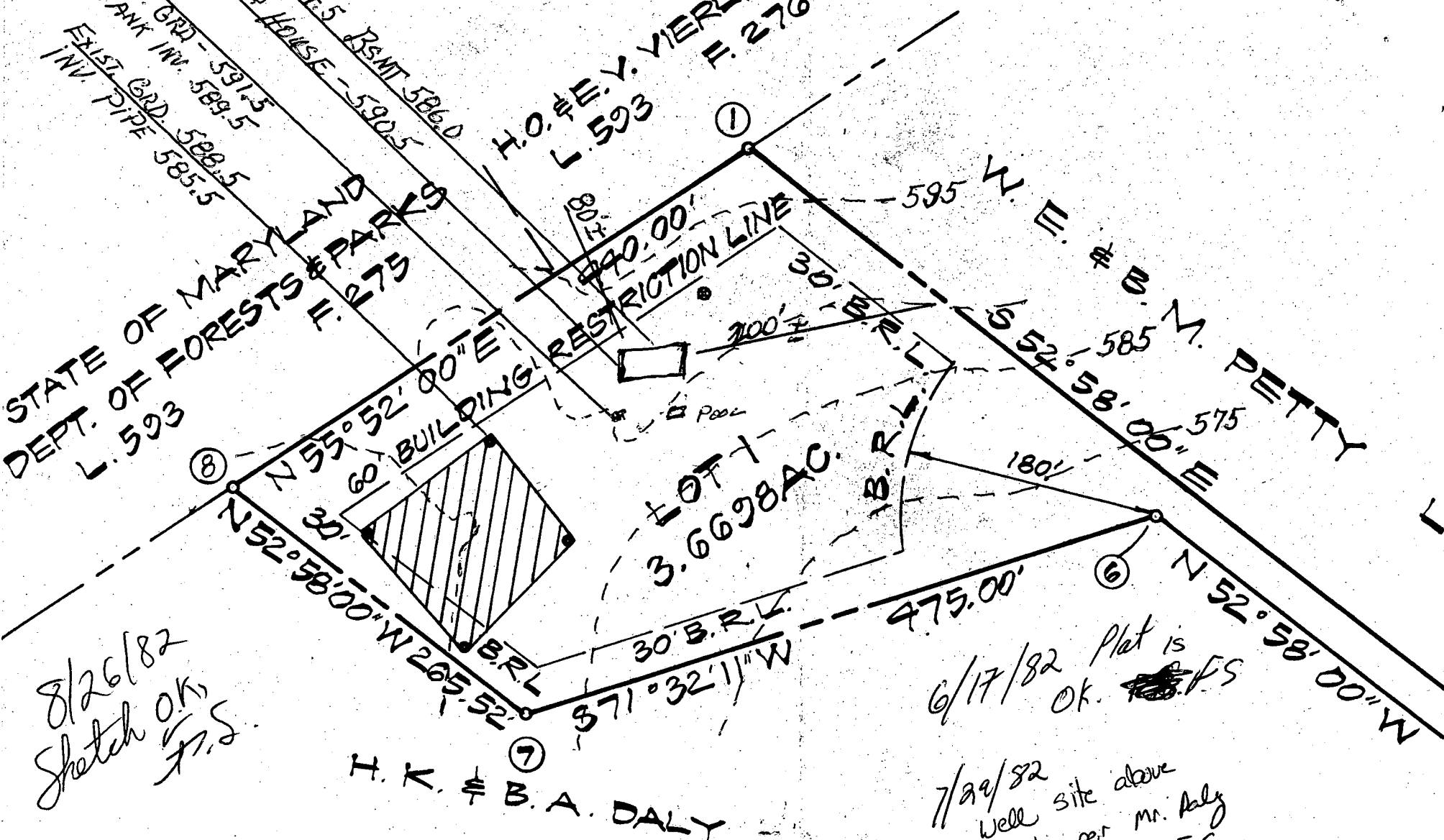
TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
9:30	43	150 sec		29pm
9:45	52	150 sec		29pm
10:00	60	150 sec		29pm
10:15	67	150 sec		29pm
10:30	73	150 sec		29pm
10:45	76	150 sec		29pm
11:00	78	150 sec		29pm
11:15	78	150 sec		29pm
11:30	78	150 sec		29pm
11:45	78	150 sec		29pm
12:00	78	150 sec		29pm
12:15	78	150 sec		29pm
12:30	78	150 sec		29pm
12:45	78	150 sec		29pm
1:00	78	150 sec		29pm
1:15	78	150 sec		29pm
1:30	78	150 sec		29pm
1:45	78	150 sec		29pm
2:00	78	150 sec		29pm
2:15	78	150 sec		29pm
2:30	78	150 sec		29pm
2:45	78	150 sec		29pm
3:00	78	2 1/2 min		29pm
3:15	78	150 sec		29pm
3:30	78	150 sec		29pm

EX. GRD. - 591.5
 TANK INV. 589.5
 EXIST. GRD. 588.5
 INV. PIPE 585.5

FT. 594.5 BENT 586.0
 INV. @ HOUSE - 590.5

H.O. & E.V. VIERLING
 L. 593 F. 276

STATE OF MARYLAND
 DEPT. OF FORESTS & PARKS
 L. 593 F. 275



8/26/82
 Sketch OK
 J.S.

6/17/82 Plat is
 OK. FS

7/22/82 Well site above
 OK per Mr. Daly
 FS.
 L. 369 F. 322

ASSUMED DATUM COORDINATE TABLE

NO.	NORTH	EAST
1.	5000.0000	5000.0000
2.	4429.0127	5756.8088
3.	4242.5001	5879.0919
4.	4222.5127	5222.1722