

SEQUENCE NO. (OEP USE ONLY)		STATE OF MARYLAND PERMIT TO DRILL WELL		OEP PERMIT NUMBER	
8593		please print or type		HO-81-2330	
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)				fill in this form completely	
Date Received 07/27/87		LOCATION OF WELL			
OWNER INFORMATION		HOWARD			
CARMAN ASSOCIATES		8 COUNTY			
K.O. Bickel		23 SUBDIVISION			
11415		SECTION 4			
TOWN		LOT 1/2 on final			
70 State 72 Zip 76		SYKESTOWN			
DRILLER INFORMATION		MILES FROM TOWN (enter 0 if in town) 1 M.I.			
Driller's Name Carmen W. Bickel		77 License No. 80 238			
Firm Name Carmen W. Bickel		DIRECTION OF WELL FROM TOWN (CIRCLE BOX)			
Address 5512 Ridge Rd. Mt. Airy Md. 21771		N W N E E W E S S W S E			
Signature Carmen W. Bickel		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)			
Date 9/21/87		NEAR WHAT ROAD Sidelong Court			
WELL INFORMATION		DISTANCE FROM ROAD 350 FT			
APPROX. PUMPING RATE (GAL. PER MIN.) 5		ENTER FT or MI FT			
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 300		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL			
USE FOR WATER (CIRCLE APPROPRIATE BOX)		HOWARD A 37897			
<input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)		COUNTY NAME			
<input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)		COUNTY NO.			
<input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)		OEP SIGNATURE			
<input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)		DATE ISSUED			
<input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		12/01/87 B Nyman 04/02/88			
APPROXIMATE DEPTH OF WELL 200 FEET		NORTH GRID 554000 EAST GRID 0801000			
APPROXIMATE DIAMETER OF WELL 6 INCH		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X			
METHOD OF DRILLING (circle one)		SOURCES OF DRILLING WATER			
BORED (or Augered) JETTED Jetted & DRIVEN		1. WELL			
AIR-ROTARY AIR-PERCUSION ROTARY (Hydraulic Rotary)		2.			
CABLE REVERSE-ROTARY DRIVE-POINT		3.			
other		WRITE THE BOX NUMBER FROM THE MAP HERE			
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION			
<input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL		10/23/87			
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED		21' casing			
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY		19' open			
<input type="checkbox"/> THIS WELL WILL DEEPMEN AN EXISTING WELL		6 bags			
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)		location OK			
Not to be filled in by driller (OEP USE ONLY)		Sketch showing location of well in relation to Sidelong Court and Foray Rd.			
APPROP. PERMIT NUMBER		FORCE INITIALS IN BOX			
GAP		PERMIT No. HO-81-2330			
SPECIAL CONDITIONS					

1932
(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

45 DAYS AFTER WELL IS COMPLETED
COUNTY NUMBER **A 37897**

DATE Received **10/13/87** DATE WELL COMPLETED **10/13/87** Depth of Well **265** (TO NEAREST FOOT)
PERMIT NO. **HQ-81-2330**

OWNER **ASSOCIATES** last name **SIDELING** first name **CARMEN** TOWN **SYKESVILLE**
STREET OR RFD **SIDELING COURT**
SUBDIVISION **GATNER SIDELING** SECTION **4** LOT **12 on final**

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	
Gray Granite	2	365	<input checked="" type="checkbox"/>

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL
CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS **6** NO. OF POUNDS **564**

GALLONS OF WATER **36**

DEPTH OF GROUT SEAL (to nearest foot)
from **0** ft. to **19** ft.

CASING RECORD

casing types insert appropriate code below

ST **CO**
STEEL CONCRETE
PL **OT**
PLASTIC OTHER

MAIN CASING TYPE **ST** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main-casing (nearest foot) **21**

OTHER CASING (if used)

EACH CASING	diameter inch		depth (feet)	
	from	to	from	to
1				
2				

SCREEN RECORD

screen type or open hole insert appropriate code below

ST **BR** **HO**
STEEL BRASS OPEN HOLE
PL **OT**
PLASTIC OTHER

SCREEN

DEPTH (nearest ft.)

EACH SCREEN	8		11		15		17		21	
	from	to	from	to	from	to	from	to	from	to
1	H	O	2	0					2	6
2										
3										

SLOT SIZE 1 2 3

DIAMETER OF SCREEN **6** (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. **238**
DRILLERS SIGNATURE *Robert L. Marple*
(MUST MATCH SIGNATURE ON APPLICATION)

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

GRAVEL PACK 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

PUMPING TEST

HOURS PUMPED (nearest hour) **3**

PUMPING RATE (gal. per min to nearest gal.) **10**

METHOD USED TO MEASURE PUMPING RATE **Bucket**

WATER LEVEL (distance from land surface)
BEFORE PUMPING **24**
WHEN PUMPING **26**

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 EXCEPT HOME USE

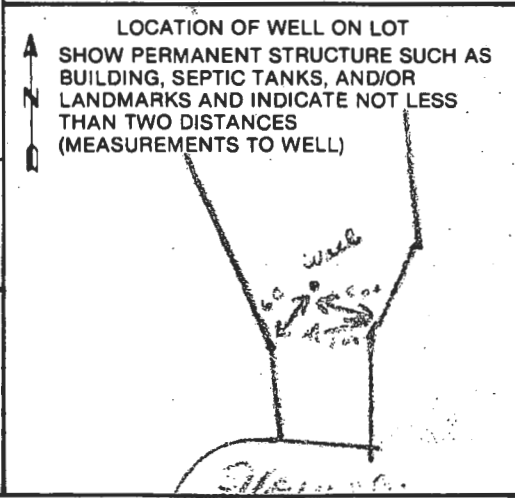
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: **29**

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 **LAND SURFACE** (nearest foot) **1**



10/23

3h PT 2ND

GROUT LAST

Review

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81- 2330

Location of property (road) SEA SIDELING COURT

Subdivision GATHER SIDSLING Lot 12 Block Plat Sec. 4

Well Driller JOSEPH MAYNOR Owner ASSOCIATES, CARMEN

Depth of well 365'

Distance of measuring point (M.P.) above ground. 11

Static water level (S.W.L.) below M.P. 24'

I. High rate pumping -- reservoir drawdown

Time pump started 1120 Pumping rate 10 gpm
Total time 15 min to reach pumping water level ft. 8 below M.P.

Total time 15 min to reach pumping water level ft. 0 below M.P.

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

[illegible]

Well Permit No. HO - 81-2330
Location of property (road) SIDELING COURT
Subdivision GAIMER SIDELING Lot 11 Block Plat Sec. 4
Well Driller JOSEPH MAYNE Owner ASSOCIATES, CARMEN

I. High rate pumping -- reservoir drawdown

Time pump started 11:20 Pumping rate 10 gal.
Total time 15 min to reach pumping water level 25 ft. below M.P.

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

HD-224

Lot 11 Section 4
Gaither Sideling

N. 45° 16' 25" E.

173

100 YEAR FLOOD PLAIN, DRAINAGE AND UTILITY EASEMENT

431.7

BRL

BRL

BRL

bar

bar

525'

LOT 11
4.2 AC. ±

(WOODED)

LOT 10
3.4 AC. ±

LOT 9
3.4 AC. ±

FF 530 E

prop well

175' 11/83
stake
as shown
OR 10'

LOT 12
3.0 AC. ±

14 SR 103

530

620

760

601.60'

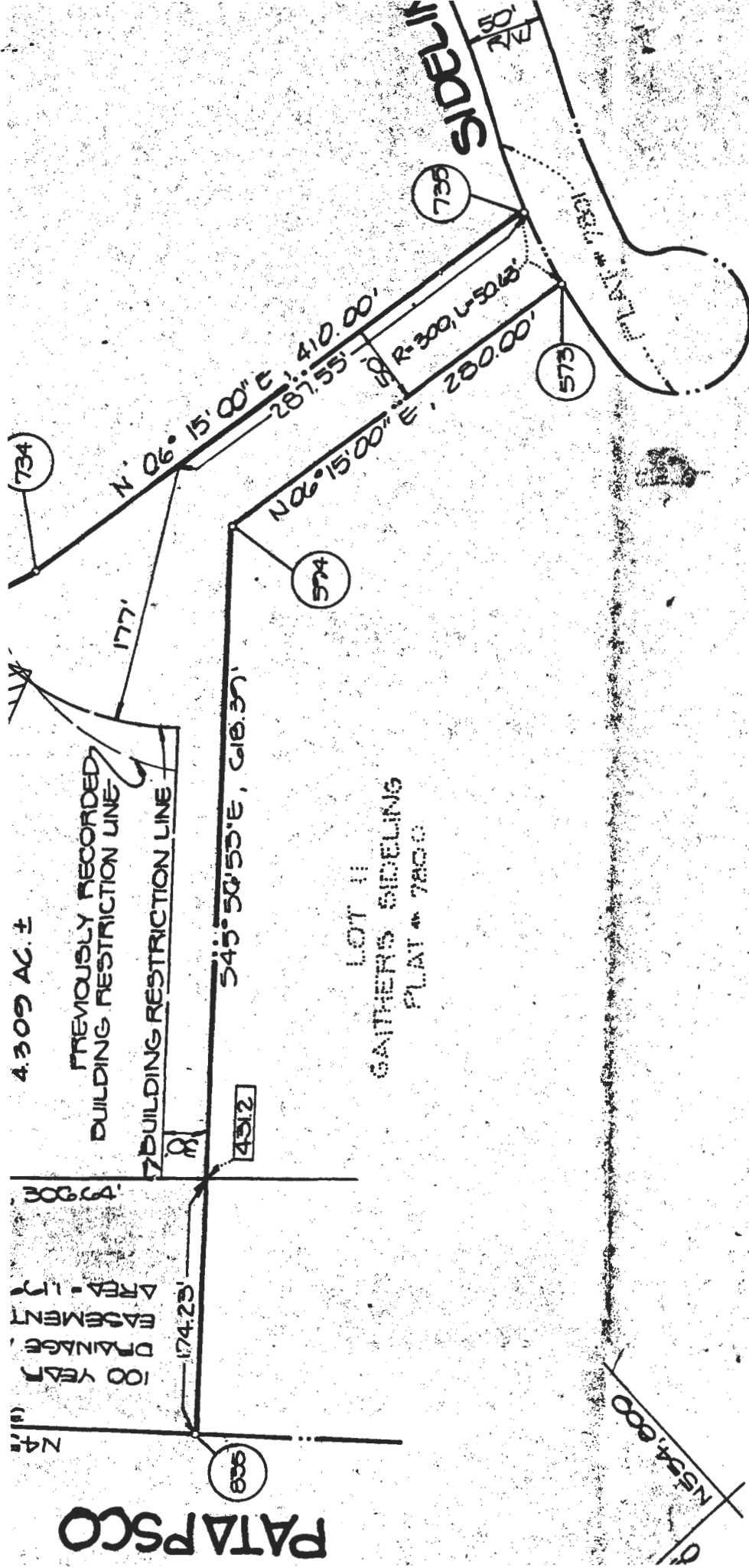
535

BRL

75'

75'

4



RECORDED - PLAN 9954 #
ON 06/25/91 TO 91' ALONG THE SIDE BOUNDS O
6/25/91 - HOWARD COUNTY MD

FISHER COLLINS & CARTER INC

OWNER AND DEVELOPER