

C1 5333		SEQUENCE NO. (OEP USE ONLY)		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.	
1 2 3 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)						COUNTY NUMBER A-29413	
DATE Received 8 13		DATE WELL COMPLETED 15 20 10/21/86		Depth of Well 22 23 24 25 26 22 23 24 25 26 (TO NEAREST FOOT)		PERMIT NO. FROM "PERMIT TO DRILL WELL" 10-81-1701 28 29 30 31 32 33 34 35 36 37	
OWNER SOPER last name		ALAN first name		TOWN COOKSVILLE			
STREET OR RFD RED LION DR.		SUBDIVISION RED LION ESTATES		SECTION 7		LOT 7	
WELL LOG Not required for driven wells		GROUTING RECORD WELL HAS BEEN GROUTED (Circle-Appropriate Box) yes Y no N TYPE OF GROUTING MATERIAL CEMENT CM BENTONITE CLAY BC NO. OF BAGS 37 NO. OF POUNDS 3478 GALLONS OF WATER 222 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 98 ft. 48 52 54 58 (enter 0 if from surface)		C3 1 2 PUMPING TEST HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 6 METHOD USED TO MEASURE PUMPING RATE Submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 00 WHEN PUMPING 278 TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible			
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		CASING RECORD casing types insert appropriate code below ST CO STEEL CONCRETE PL OT PLASTIC OTHER MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot) S T 5 102 60 61 63 64 66 70		PUMP INSTALLED DRILLER WILL INSTALL PUMP YES NO (CIRCLE) (YES OR 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) 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 2 (nearest foot) 49 50 51			
DESCRIPTION (Use additional sheets if needed)		FEET FROM TO Dirt 0 1 Soft Brown Shale & Schist 1 36 Hard Blue Sandstone 36 39 Soft, Brown & Blue Sand & Clay 39 87 Soft Brown Schist 87 93 Hard Blue Schist & Sandstone 93 103 X Hard Black Sandstone 103 107 Hard Green Schist 107 109 Hard Black Sandstone 108 142 Hard Brown Sandstone 142 143 X Hard Black Sandstone & Opening 143 150 X Hard Black Sandstone 150 196 Hard Black Sandstone 196 197 X Hard Black Sandstone 197 228		SCREEN RECORD screen type or open hole insert appropriate code below ST BR HO STEEL BRASS OPEN HOLE PL OT PLASTIC OTHER C2 1 2 EACH CASING DEPTH (nearest ft.) HO 102 228 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51 SLOT SIZE 1 2 3 DIAMETER OF SCREEN 56 60 GRAVEL PACK from to IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68			
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. 30 Dana Kyker DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) DR. 70 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)		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) RED LION DR. RT. 70 RT. 144 DRY HOLE - 103 ft	

B 1 7199 <small>(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)</small>	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER <div style="border: 1px solid black; padding: 2px; display: inline-block;"> HC-81-1701 </div> <small>fill in this form completely</small>
Date Received <div style="border: 1px solid black; display: inline-block; width: 100px; height: 20px;"></div>		B 3 LOCATION OF WELL	
OWNER INFORMATION <div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between;"> <div> 8 SOPER <small>15 Last Name</small> </div> <div> 13 A <small>Owner</small> </div> <div> 34 J. <small>First Name</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> 36 3534 ARTERIS <small>Street or RFD</small> </div> <div> 55 W 114 Rd. <small>Town</small> </div> </div> <div style="display: flex; justify-content: space-between;"> <div> 57 WESTMINSTER <small>Town</small> </div> <div> 70 State 72 MD <small>State</small> </div> <div> 76 21157 <small>Zip</small> </div> </div> </div>		<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between;"> <div> 8 COUNTY HOWARD </div> <div> 21 RED LINE ZAN 237. </div> </div> <div style="display: flex; justify-content: space-between;"> <div> 23 SUBDIVISION COOKS </div> <div> 42 W 114 </div> </div> <div style="display: flex; justify-content: space-between;"> <div> 44 SECTION </div> <div> 46 LOT </div> </div> <div style="display: flex; justify-content: space-between;"> <div> 48 8 </div> <div> 50 MI </div> </div> <div style="display: flex; justify-content: space-between;"> <div> 52 NEAREST TOWN COOKS </div> <div> 71 W 114 </div> </div> <div style="display: flex; justify-content: space-between;"> <div> 73 2 </div> <div> 76 MI </div> </div> </div>	
DRILLER INFORMATION Dana Kyter <small>Driller's Name</small> Westminster Rotary Well Drilling, Inc. <small>Firm Name</small> P.O. Box #861, Westminster, Md. 21157 <small>Address</small> Dana Kyter <small>Signature</small> 9/15/86 <small>Date</small>		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) <div style="text-align: center;"> </div> RED LINE DR. <small>NEAR WHAT ROAD</small> <div style="display: flex; justify-content: space-between;"> <div> 34 10 </div> <div> 37 10 </div> </div> <small>DISTANCE FROM ROAD</small> <small>ENTER FT or MI</small>	
B 2 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 HOWARD COUNTY NAME OEP SIGNATURE DATE ISSUED 04/02/87 CO SIGNATURE NORTH GRID 545000 EAST GRID 0773000	
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input type="checkbox"/> INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) <input type="checkbox"/> PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) <input type="checkbox"/> TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. CITY 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE <div style="display: flex; justify-content: space-between;"> <div> E 7903 </div> <div> N 5405 </div> </div>	
APPROXIMATE DEPTH OF WELL 170 FEET APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION <div style="text-align: center;"> </div>	
METHOD OF DRILLING (circle one) BORED (or Augered) <input checked="" type="checkbox"/> JETTED <input type="checkbox"/> Jetted & DRIVEN <input type="checkbox"/> AIR-ROTARY <input checked="" type="checkbox"/> AIR-PERCussion <input type="checkbox"/> ROTARY (Hydraulic Rotary) <input type="checkbox"/> CABLE <input type="checkbox"/> REVERSE-ROTARY <input type="checkbox"/> DRIVE-POINT <input type="checkbox"/> other _____		REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) <input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED <input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEN 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 _____ GAP _____ FORCE EA WRITE INITIALS IN BOX PERMIT NO. HC-81-1701		SPECIAL CONDITIONS	

Well Permit No. HO - 81-1701
Location of property (road) RED LION DR.
Subdivision RED LION ESTATES Lot 8 Block _____ Plat _____ Sec. _____
Well Driller DANA KYKER Owner SUPER, ALAN S.

1. High rate pumping -- reservoir drawdown

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

[illegible]

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

September 28, 1987

Mr. Alan Soper
14672 Red Lion Drive
Woodbine, Maryland 21797

Dear Mr. Soper:

This is to advise you that the septic system was installed, inspected and approved on February 24, 1987.

The water sample recently submitted for testing was free of coliform and fecal coliform bacteria at the time of sampling and is bacteriologically safe for drinking.

FINAL CERTIFICATE OF POTABILITY

This certifies that all sampling requirements of COMAR 10.17.13 "Well Regulations" have been met for the water supply system installed under permit(s) HO-81-1701.

September 9, 1987
Date of Final Sampling

September 23, 1987
Date of Acceptance

Jane Nadeau, Sanitarian
Water and Sewerage Program

Jane Nadeau / 87

Water Sample Dates:
April 3, 1987
September 9, 1987

JN:JR