

C1 3282	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.
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		COUNTY NUMBER	A 29160

Date Received (OEP use only)	DATE WELL COMPLETED 12/10/82	Depth of Well 270 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-173-7342
OWNER last name Ecker	first name Sam	STREET OR RFD Sunset Valley Drive	TOWN Sykesville
SUBDIVISION Sunset Valley	SECTION 1	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 TO	Check if water bearing
Top Soil	0 2	
Brown Shale	2 35	
Sandstone	35 80	
Granite	80 87	
Granite	87 89	11
Granite	89 250	
Granite	250 252	16
Granite	252 270	

GROUTING RECORD WELL HAS BEEN GROUTED (Circle Appropriate Box) YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	
TYPE OF GROUTING MATERIAL CEMENT <input checked="" type="checkbox"/> BENTONITE CLAY <input type="checkbox"/>	
NO. OF BAGS 11 NO. OF POUNDS 45 40	
GALLONS OF WATER	
DEPTH OF GROUT SEAL (to nearest foot) from 48 TOP ft. to 54 BOTTOM 58 ft. (enter 0 if from surface)	
CASING RECORD casing types insert appropriate code below	
STEEL <input checked="" type="checkbox"/> CONCRETE <input type="checkbox"/> PLASTIC <input type="checkbox"/> OTHER <input type="checkbox"/>	
MAIN CASING TYPE Nominal diameter top(main)casing (nearest inch) 6 Total depth of main casing (nearest foot) 85	
OTHER CASING (if used) EACH CASING diameter inch depth (feet) from to	
SCREEN RECORD screen type or openhole insert appropriate code below	
STEEL <input checked="" type="checkbox"/> BRASS <input type="checkbox"/> OPEN HOLE <input type="checkbox"/> BRONZE <input type="checkbox"/> PL <input type="checkbox"/> OT <input type="checkbox"/>	
C 2 (Seq. no.)	
DEPTH (nearest ft.) EACH SCREEN 1 40 2 83 3 270	

PUMPING TEST HOURS PUMPED (nearest hour) 3		
PUMPING RATE (gal. per min. to nearest gal.) 7		
METHOD USED TO MEASURE PUMPING RATE		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING 40		
WHEN PUMPING 191		
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 YES NO	
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) 31	
PUMP HORSE POWER 37	
PUMP COLUMN LENGTH (nearest ft.) 42	
CASING HEIGHT (circle appropriate box and enter casing height)	
+ above LAND SURFACE	
- below 2 (nearest foot)	

CIRCLE APPROPRIATE BOX	
<input checked="" type="checkbox"/> A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	
<input type="checkbox"/> E ELECTRIC LOG OBTAINED	
<input type="checkbox"/> 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. 208	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	
SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)	

SLOT SIZE 1 2 3	
DIAMETER OF SCREEN (NEAREST INCH) from 36 to 60	
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.)	W Q
70	74 75 76
TELESCOPE CASING	LOG INDICATOR
OTHER DATA	

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)	
A N D	



12/23/82  
EMERGENCY/TEMP. NO. IF ANY

B 1 <b>9895</b>		SEQUENCE NO. (OEP USE ONLY) <b>8:00 P.M. 3 hrs</b> <b>9:30 Grant</b>		STATE OF MARYLAND <b>PERMIT TO DRILL WELL</b> please print or type		OEP PERMIT NUMBER <b>H0-73-4342</b> fill in this form completely	
Date Received <b>12/23/82</b> (OEP Use Only)		LOCATION OF WELL COUNTY <b>Howard</b> SUBDIVISION <b>Sunset Valley</b> SECTION <b>1</b> LOT <b>2</b> NEAREST TOWN <b>Sykesville</b> MILES FROM TOWN (enter 0 if in town) <b>2</b>					
OWNER INFORMATION Last Name <b>Stans</b> Owner <b>Stans</b> 34 Name Street or RFD <b>Box 2035 West, Md. 21157</b> Town <b>West</b> State <b>Md</b> 76 Zip <b>21157</b>		B 1 Continued DRILLER INFORMATION Driller's Name <b>Stans Well Drilling Inc.</b> 77 License No. <b>80</b> Firm Name <b>Stans Well Drilling Inc.</b> Address <b>Box 2035 West, Md. 21157</b> Signature <b>Stans</b> Date <b>11/29/82</b>					
B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) <b>5</b> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <b>500</b>		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX) NEAR WHAT ROAD <b>Forsythe Rd.</b> ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD (CIRCLE APPROPRIATE BOX) <b>600</b>					
USE FOR WATER (CIRCLE APPROPRIATE BOX) <input type="checkbox"/> HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) <input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) <input checked="" 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. <b>well</b> 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE 					
APPROXIMATE DEPTH OF WELL <b>165</b> FEET APPROXIMATE DIAMETER OF WELL <b>6</b> INCH METHOD OF DRILLING (circle one) BORED (OR AUGERED) JETTED JETTED & DRIVEN <input checked="" 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 other		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 					
REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX) <input 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 checked="" type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY <input type="checkbox"/> THIS WELL WILL DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41		B 4 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME <b>HOWARD</b> COUNTY NO. <b>A29160</b> OEP SIGNATURE <b>Frank Skinner</b> STATE HEALTH CIRC BOX <b>41</b> DATE ISSUED <b>12/23/82</b> CO SIGNATURE NORTH GRID <b>451</b> EAST GRID <b>0804</b> EXPIRES <b>060783</b>					
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER <b>G A P</b> FORCE <b>FS</b> WRITE INITIALS IN BOX <b>FS</b> PERMIT No. <b>H0-73-4342</b>		SPECIAL CONDITIONS 8-63					



FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 73-4342  
Location of property (road) Sunset Valley Drive  
Subdivision Sunset Valley Lot 2 Block - Plat - Sec. 1  
Well Driller Stanley Bollinger Owner Sam Ecker

Depth of well 270'  
Distance of measuring point (M.P.) above ground 2'  
Static water level (S.W.L.) below M.P. 40'

- i. High rate pumping -- reservoir drawdown

Time pump started 0800 Pumping rate 106 PM  
Total time 1 hr. to reach pumping water level 191' ft. below M.P.

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

[illegible]

H 9174

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 73-4342

Location of property (road)

Subdivision Sweet Valley

Lot 2 Block 1 Plat 1 Sec. 1

Well Driller

Owner Sam Ecker

Depth of well 270

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

Static water level (S.W.L.) below M.P. 40

I. High rate pumping -- reservoir drawdown

Time pump started 8:00 AM

Pumping rate 10

Total time	to reach pumping water level	ft. below M.P.
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II. Recovery pump test data - observations to be recorded every 15 minutes

[illegible]

S	LENGTH	TANGENT	Δ	CHORD BEARING & DISTANCE
0'	262.41'	134.50'	31°-00'-00"	N39°-30'-00" W, 259.22'
1'	29.02'	14.51'	01°-52'-08"	N25°-18'-56" E, 29.02'
1'	71.44'	35.74'	04°-35'-00"	S22°-04'-48" W, 71.42'
0'	156.10'	81.34'	39°-45'-00"	S43°-52'-30" E, 152.99'
0'	235.36'	120.64'	31°-00'-00"	S39°-30'-00" E, 232.50'

AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF  
XIMATELY 10,000 SQUARE FEET AS REQUIRED BY THE  
AND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE  
NDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY  
E IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE  
AILABLE AND SERVICING ANY RESIDENTIAL STRUCTURE  
RUCTED ON THESE BUILDING SITES. THIS EASEMENT SHALL  
E NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE  
M.

SHOWN COMPLY WITH THE MINIMUM OWNERSHIP AND LOT AREAS  
ED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND  
GIENE.

OR PIPE STEM LOTS, REFUSE COLLECTION, SNOW REMOVAL  
MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE  
PIPE STEM, AND THE ROAD RIGHT OF WAY LINE AND NOT  
FLAG OR PIPE STEM DRIVEWAY.

PROPERTY ZONED "R" PER 10/3/77  
ENSIVE ZONING PLAN.

Property of  
GEORGE HARDING  
845/265

