C 1 1308 SEQUENCE NO. (DENV USE ONLY)	STATE OF MARYLAND	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 QN ALL CARDS)	WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	COUNTY A 50905 I
ST/CO USE ONLY DATE WELL COMPLETE DATE WELL COMPLETE D	Depth of Well 22 20 5 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL"
OWNER Greenfield	Hail Lane first name TOWN	West Friendship
STREET OR RFD SUBSTITUTE OF THE SUBDIVISION Quarter Size of	SECTION 3 TOWN	LOT 8
WELL LOG Not required for driven wells	WELL HAS BEEN GROUTED (Ves no	C 3
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	(Circle Appropriate Box) TYPE OF GROUTING MATERIAL 44 44	1 2 PUMPING TEST
DESCRIPTION (Use FEET Check	CEMENT C M BENTONITE CLAY B C	HOURS PUMPED (nearest hour)
additional sheets if needed) FROM TO bearing	NO. OF BAGS NO. OF POUNDS 1470 GALLONS OF WATER	PUMPING RATE (gal. per min. 15
Sand 0 47 Coray Mica 49 205 V	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE Bucket
Can Mi. 49 205 V	from 6 ft. to 7 ft.	WATER LEVEL (distance from land surface)
Coray Mica 49 205 V	(enter Off from surface) Casing CASING RECORD	BEFORE PUMPING
Rock	types insert ST CO	WHEN PUMPING 22 25
	(appropriate STEEL CONCRETE CODE	TYPE OF PUMP USED (for test)
	below PLASTIC OTHER	A air P piston T turbine
	MAIN Nominal diameter Total depth CASING top (main) casing of main casing TYPE (nearest inch) (nearest foot)	C centrifugal R rotary O other (describe below)
	SP a sull	J jet S submersible
	60 61 63 64 66 70 E OTHER CASING (if used)	
	OTHER CASING (if used) diameter depth (feet) inch from to	PUMP INSTALLED
	CA CANADA	DRILLER WILL INSTALL PUMP YES NO (CIRCLE) (YES or NO)
	N G	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS
	screen type *SCREEN RECORD or open hole	EXCEPT HOME USE TYPE OF PUMP INSTALLED
	/ insert ST BR HO	PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE:
	appropriate code BRASS BRONZE HOLE	CAPACITY: GALLONS PER MINUTE
	below PL OT PLASTIC OTHER	(to nearest gallon)
IN HARD ROCK AREAS, IDENTIFY SPECIFICALLY	C[2]	PUMP HORSE POWER 37 41
WHERE SATURATED FRACTURES WERE OBSERVED.	DEPTH (nearest ft.)	(nearest ft.)
yes no	E 1 1 0 4 9 1 20 S 1	CASING HEIGHT (circle appropriate box and enter casing height)
WELL HYDROFRACTURED Y	A B 9 11 15 17 21 H 2 S C 23 24 26 30 32 36	LAND SURFACE (nearest foot)
CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED	R 3	LOCATION OF WELL ON LOT
WHEN THIS WELL WAS COMPLETED F ELECTRIC LOG OBTAINED		A SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND/OR
_ TEST WELL CONVERTED TO PRODUCTION	SLOT SIZE 123 (NEAREST	N LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES
P WELL THEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN	OF SCREEN 56 60 INCH)	(MEASUREMENTS TO WELL)
ACCORDANCE WITH COMAR 28.04.04 "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	GRAVEL PACK LIF WELL DRILLED WAS	宝 村 3
MY KNOWLEDGE.	FLOWING WELL INSERT F IN BOX 68	3.7
DRILLERS IDENT. NO. LIBOU A	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	1
DRILLERS SIGNATURE	T (E.R.O.S.) W Q	
(MUST MATCH SIGNATURE ON APPLICATION)	74 75 76	
SITE SUPERVISOR (sign. of driller or journeyman	TELESCOPE LOG OTHER DATA CASING INDICATOR	
responsible for sitework if different from permittee)	COUNTY	

В	SEQUENCE NO. (MDE USE ONLY)		MARYLAND		STATE PERMIT NUMBER
1	2 3 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DRILL WELL	H	0-94-1369
	(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	please pr	int or type		fill in this form completely 79
	Date Received (APA)	DMATION	B 3	LOCATIO	N OF WELL
N	8 MM DD YY 13	RMATION	8 COUNTY		21
4,1	Covenhield Homes		Quarter	Lieen	
	15 Last Name Owner	First Name 34	23 SUBDIVISION	0	42
	36 Street or RFD	55	SECTION L	LOT L	50
	High land mil	20177	Mad E	40	4.3
ğ	57 Jown 70 State	72 Zip 76	52 NEAREST TOWN	runa	71
	DRILLER INFORMATION		MILES FROM TOWN (ent	ter 0 if in town) <u> </u>
-		M D Z 4 176 License No. 81	B 4		73 76 77 78
	Diffici s Name	License No. 01	1 2	1116	total Para
P	Firm Name	Dailing	TOWN (CIRCLE BOX)	11	NEAR WHAT ROAD 30
	5512 Ridge Rd. Int air	manded 21775		ON WH	IICH SIDE OF ROAD NORTH
	Address		N N N N N N N N N N N N N N N N N N N	(CIRCL	E APPROPRIATE BUX)
	Signature 1. Mayor	Date 98	W TOWN E		. 34 2 37 SOUTH
-	B 2 WELL INFORMATION	5	1 × × 4		DISTANCE FROM ROAD
	APPROX. PUMPING RATE — (GAL. PER MIN.)	8 12	Sw S S S		ENTER FT OR MI 38 39
	AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14	500	8-9 S 8-9	TAX MAP:	BLK: PARCEL
Ħ	USE FOR WATER (CIRCLE API				ED IN BY DRILLER
8	HOME (SINGLE OR DOUBLE HOUSEHOLD	UNIT ONLY)	HEALT	'H DEPART	MENT APPROVAL
f	F FARMING (LIVESTOCK WATERING & AGRIC	CULTURAL	Howard C	30	A50905I
1	IRRIGATION	EDEDAL COV	STATE		COUNTY NO.
2	2 INDUSTRIAL, COMMERCIAL, STATE AND F OTHER (REQUIRES APPROPRIATION PERM	MIT)	SIGNATURE DATE ISSUED	Will Island	INSERT S 41
	P PUBLIC OR PRIVATE WATER COMPANY (F		01/06/98 1	4 mcg	nelle 1/6/99
	APPROPRIATION PERMIT AND STATE APP		43 MM DD YY 48 NORTH	E	NATURE EXP. DATE
	TEST, OBSERVATION, MONITORING (MAY APPROPRIATION PERMIT)	REQUIRE	GRID 50 C	000 G 55	RID 825 0 0 0 63
		THE RELIEF ST	SHOW MAJOR FEATURE	S OF	3 /25/08 9:00
	APPROXIMATE DEPTH OF WELL	FEET 28	BOX & LOCATE WELL A	144	7000
5	24	NEAREST	SOURCES OF DRILLING	WATER	Grout complete
P	APPROXIMATE DIAMETER OF WELL	INCH	1. WELL		Define of
	METHOD OF DRILLING	(circle one)	3.		1000001100
3	BORED (or Augered) JETTED	Jetted & DRIVEN	BRA WES		mspection it
3	AIH-HOTary AIH-PEHcussion	ROTARY (Hydraulic Rotary) DRive-POINT	WRITE THE BOX NUMBE	R	one on-six
	other	Brive-Folier	FROM THE MAP HERE		* ALM
81	REPLACEMENT OR DEEPE	ENED WELLS	E \$200	2	Grout complete Of time of Inspection No one on-site ALM
Š	(CIRCLE APPROPRIATE	E BOX)	被告述 A 20	•	000
1	THIS WELL WILL NOT REPLACE AN EXIST		NDRAW A SKETCH BELOW	A SHOWING I	OCATION OF WELL IN
	ABANDONED AND SEALED	WILL BE	RELATION TO NEARBY	TOWNS AND	ROADS AND GIVE
3	THIS WELL WILL REPLACE A WELL THAT AS A STANDBY-CONTACT LOCAL APPROV		DISTANCE FROM WELL	TO NEAREST	ROAD JUNCTION
	FOR POLICY ON STANDBY WELLS		Wed Friends		
	PERMIT NUMBER OF WELL TO BE REPLACED O		Alteria	. 5	ormo
8	(IF AVAILABLE) 41	52	N	- Marian	TE STATE OF
	Not to be filled in by driller (MDE OR C	COUNTY USE ONLY)	A	Y	1
31	APPROP. PERMIT NUMBER	GAP	Quarterfield,	2	
	WRITE 54	63	Character 1	1	100
	FORCE 67 68 IN BOX PERMIT No. 70 71 7	72 73 74 75 76 77 78 79		6	# Dices
100	SPECIAL CONDITIONS NOTE — APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED		1		●

В	1	3093	SEQUENCE NO.	STATE OF	MÄRYLAND	STATE PERMIT NUMBER
1	2	3 6	(DP USE ONLY)		RMIT TO DRILL WELL	FA01-19141-1/1316191
		HIS NUMBER IS TO COLS. 3-6 ON ALL		please pr	int or type	70 fill in this form completely 79
		ate Received (APA			B 3	LOCATION OF WELL
31	2	21297	OWNER INFORM	IATION	1 2	ESOMMON OF WELL
	8	13	E 101710 17/01	ALE TAVI	8 COUNTY	21
	4	5 Last Name	Owner Owner	First Name 34	DUDLIFER	FOR EI G
	E	656 X	usten D	NVE	23 SUBDIVISION	42
	3	6 7	Street or RFD	MH 10 10 10 10 10 10 10 10 10 10 10 10 10	SECTION 44 46	LOT 68 50 ELLICOTT
	17	Y GYVV O	Town 7	0 State 72 Zip 76	26 100	CHRIST CITY
		DRILLER INFOR	RMATION	MSD/MGD/MWD	52 NEAREST TOWN	
	_	Genry	Honley	143	MILES FROM TOWN (enter	73 76 77 78
	Dri	HOR/EUL	Millingtony	77 License No. 80	B 4	WHITE IN I SH
	Fir	m Name	V MATERIA	ille mn aros	DIRECTION OF WELL FROM TOWN (CIRCLE BOX)	11 NEAR WHAT ROAD 30
	Ad	dress	Ma	11102113	N N	NORTH N
	Qie.	gnature	1 Jan	723-97 Date		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
В	_	, store	WELL INFORMATION		F-9 7 F-9	34 3 37 WEST S EAST
1	2	PPROX. PUMPING F	RATE (GAL. PER MIN.)	атт Х	W (TOWN) E	DISTANCE FROM ROAD
		ERAGE DAILY QUA	8	12		ENTER FT OR MI
	(G	AL. PER DAY)	WIII T NEEDED	Split ,		15 51
H		USE FOR	WATER (CIRCLE APPR	OPRIATE ROX	8	TAX MAP: 28 BLK: 15 PARCEL 84
	1		LE OR DOUBLE HOUSEH	11		NOT TO BE FILLED IN BY DRILLER REALTH DEPARTMENT APPROVAL
	(ESTOCK WATERING & AC		Howard	A50905 I
		IRRIGATION)	COMMERCIAL, STATE ANI	DEEDERAL GOV	OUNTY NAME	COUNTY NO.
	22	U OTHER (REQ	UIRES APPROPRIATION P	ERMIT)	STATE SIGNATURE	INSERT S
			PRIVATE WATER COMPANY ON PERMIT AND STATE H		DATE ISSUED	Mark & Rellin 11/199
		APPROVAL)	RVATION, MONITORING (M.	AND DECIME		SIGNATURE EXP. DATE
		T APPROPRIATI	ON PERMIT)	AT RECOIRE	NORTH SO O O	0 GRID 25000 55 63
			racon		SHOW MAYOR FEATURE	S OF 2/25/98
	AF	PPROXIMATE DEPT	H OF WELL	FEET 28	BOX & LOCATE WELL _	
Г			6	NEAREST	SOURCES OF BRILLING	WATER
	AF	PPROXIMATE DIAME	ETER OF WELL	INCH	1 Jesell	1
		MET	HOD OF DRILLING (c		(3)	M.
	30	BORED (or Augered		Jetted & DRIVEN	WRITE THE BOX NUMBI	ER QUE
	37	AIR-ROTary CABLE	AIR-PERcussion REVerse-ROTary	ROTÁRY (Hydraulic Rotary) DRive-POINT	FROM THE MAP HERE	1147 white
-		other	<u>ric v</u> erse <u>rio i</u> ar y	DITING TOTAL	E 8200	5 X TAILLY
-			CEMENT OR DEEPEN	ED WELLS	N 500	000 / 4/4
		,,,,,,	(CIRCLE APPROPRIATE BO		DRAW A SKETCH BELOW	W SHOWING LOCATION OF WELL IN
	(ILL NOT REPLACE AN EXIS		RELATION TO NEARBY	TOWNS AND ROADS AND GIVE
		THIS WELL W	ILL REPLACE A WELL THAT AND SEALED	I MILL BE	/	TO NEAREST ROAD JUNCTION
	39		VILL REPLACE A WELL THAT CONTACT LOCAL APPROVI		N a	
		POLICY ON S	TANDBY WELLS		1 3	
			VILL DEEPEN AN EXISTING		8/	
		(IF AVAILABLE)	OF WELL TO BE REPLACED	52	19	
-		Not be b	pe filled in by driller (OEP	LISE ONLY	10/12	1 Intal
	27			JAID I I III		White
	Al	PPROP. PERMIT NU	JMBER G	63 63	193 1	0
11	F	ORCE PTD WRITE	LS PERMIT No.	9191-1121691	1 1 HH O	
		67 68 IN BO		73 74 75 76 77 78 79	12010	
	SI	PECIAL CONDITION	NOTE = APPROVING A	AUTHORITIES SHOULD USE SE	PARATE SHEET IF NEEDED =	

FIELD DATA SHEET HOWARD COUNTY WELL YIELD TEST

Subdivision Quarterfied Sec 3	Lot 8 Block Plat Sec	•
Well Driller Joseph Mayne	Owner Greenfield Thomas	
Depth of well 205	. 1 1/0	
Distance of measuring point (M.P.) a Static water level (S.W.L.) below M.		
I. High rate pumping reservoir drawdow Time pump started 7:00	an a said a	

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

TIME (in 15 minute in- tervals	WATER LEVEL below M.P.	PUMPING RATE time to fill 5/ gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:15	57'	3 Ru.	N/A	20 gpm.
7:30	53	5		20gpm.
7:15	53	5		12
8:00	53	5		12
8.12	53	5		12
8:30	53	5		12
8.45	53	5		12
9:45	54	5		12
9:15	54	5		12
9:30	54	5		12
9.45	34	5		12
10:00	54	5		12
18:15	54	- 5		12

HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH WATER AND SEWERAGE PROGRAM TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Weil Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval. Telephone #: 410-Company Name: K Address: 6 (Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer License # and name of individual responsible for the field installation: License# 2/22 Name (Print): ROBERT FEEZE A Beensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Name of Property Owner: JST RUIL Telephone #: <u>410-884-0334</u> Quarter field Subdivision: Well Tag #: HO -94 - 1369 Site Address: 11652 LOUTETAIL ELLICOTT Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit Make: CAMPBILL Model#: PAROS Make: STARITE Model #: DUCDZHO Two piece watertight cap:_ Screened, vented well cap; Depth: 42 (36" min) Cap secured to casing: Pump Capacity Well Yield: 12 GPM NSF approved: Conduit min 18" B.G.: Depth of well encountered at time of pump installation: 205 (feet) Conduit secured to well cap: If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4 Torque arrestors or Cable guards are required - Must circle one Safety rope, if used, attached to inside of well casing with eye bolt House Connection Piping to house Type: アハムレ PVC sleeved to undisturbed soil at wall penetration PSI: 160 (160 psi min) Approximate length of sleeve: Depth of supply line: \(\sigma\) (36" min) Sleeve caulked and sealed properly: The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prigr to installation,.. Signature of company representative responsible for installation For Health Department Use Only - Not to be completed by Installer SR4 Date Insp. Requested: Date Insp. Approved: Inspection Data: Pitless adapter and water supply line at least 36" below grade Two piece cap installed and attached to casing securely Elec. conduit extends at least 18" below grade/attached to cap properly Safety rope installed inside of well casing Correct well tag attached properly and casing 8" above finished grade Water supply line sleeved adequately at house connection

Adequate grout observed below pitless adapter