C 1 3163 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY	COUNTY ASIT 336
ST/CO USE ONLY DATE Received MM DD YY MM DD YY	112	FROM "PERMIT NO.
8 13 15	22 200 26 SI (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
OWNER Warfield Ja	Kennard first name	Onut
SUBDIVISION The (1) articles	TOWN	Daylon LOT_12
WELL LOG	WELL HAS BEEN GROUTED YES NO	C 3
Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR	(Circle Appropriate Box)	1 2 PUMPING TEST
COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use FEET Check in water	TYPE OF GROUTING MATERIAL (Circle one) CEMENT C M BENTONITE CLAY B C	HOURS PUMPED (nearest hour)
additional sheets if needed) FROM TO bearing	NO. OF BAGS 46 20 NO. OF POUNDS 45, 45, 80	PUMPING RATE (gal. per min.)
Gray Mica 42 200 v	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE Bucket
	from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)
Water 105°	(enter 0 if from surface) CASING RECORD	BEFORE PUMPING 58 ft.
///	types insert appropriate ST CO CONCRETE	WHEN PUMPING 10 9 ft.
	code below PLASTIC OTHER	TYPE OF PUMP USED (for test)
Dry well badefelled	MAIN Nominal diameter Total depth	A air P piston T turbine
Dry well backfieled 480-40 dueling materials 40-0 Coment	CASING top (main) casing of main casing (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
40 - 0 Coment	60 61 63 64 66 70	J jet S submersible
1	C OTHER CASING (if used) A diameter depth (feet)	27 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
	inch from to	PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or NO)
	N	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
P-1	screen type or open hole ST BR HO	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29.
	insert appropriate code BRASS BRONZE HOLE	CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35
	PLASTIC OTHER	PUMP HORSE POWER
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED YES NO N	E 1 HO 52 200 - 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER	C 2 26 30 32 36	49 above LAND SURFACE
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	below / (nearest) foot)
P TEST WELL CONVERTED TO PRODUCTION WELL	R 38 39 41 45 47 51 E E SLOT SIZE 1 2 3	A LOCATION OF WELL ON LOT
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "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 MY	DIAMETER (NEAREST INCH) 56 60 from to	SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND IOR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)
DRILLERS LIC. NO. 1 M S D 0 2 4	GRAVEL PACK	90'
Joseph L Mayre	IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 66 68	30 55 11100
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)	Day will 8.5 99 m
LIC. NO.1 D 1	T (E.R.O.S.) W Q	•
SITE SUPERVISOR (sign. of driller or journeyman	70 72 74 75 76	4
responsible for sitework if different from permittee)	TELESCOPE LOG CASING INDICATOR OTHER DATA	

	1 1 0 C SEQUENCE NO.	STATE OF MARYLAND		STATE PERMIT NUMBER	
	1096 SEQUENCE NO. (MDE USE ONLY)	APPLICATION FOR PERMIT TO DRILL WELL		Ha-05-1508	
1 2	3	527956 please type		70 79	
		321100		fill in this form completely	
Da	ate Received (APA)	DAMATION	B 3 Howa	LOCATION OF WELL	
8	MM DD YY 13	TIVIA I ION	8 COUNTY	21	
40	Warlield In	ennard	The way	treed II	
15	Last Name Owner	First Name 34	23 SUBDIVISION	42	
	P.O. BOX 30		SECTION L	LOT 1 /2	
36	Street or RFD	55	44 46	48 50	
L	Glenela md	21737	Dai	ylon	
57		72 Zip 76	52 NEAREST TOWN	71	
	DRILLER INFORMATION		MILES FROM TOWN (ente		
F	yoseph & mayne M	M S D 0 2 9 6 License No. 81	B 4	73 76 77 78	
Di	iller's Name	o License No. 61	1 2	Iniadolahia Rd	
E	m Name	uurg	DIRECTION OF WELL FROM TOWN (CIRCLE BOX)	11 NEAR WHAT ROAD 30	
	5512 Ridge Rd mt. ains 1	Md 2 1771	a N	NORTH	
_	dress	111/1	PE PE	ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)	
	hard & marino	12-10-07	8-9	W 2 E	
Si	gnature	Date	W TOWN E	34 4 D 37 SOUTH	
В	2 WELL INFORMATION	5	18 /	DISTANCE FROM ROAD	
1	2 APPROX. PUMPING RATE (GAL. PER MIN.)	8 12	SW L SE	ENTER FT OR MI 38 39	
	VERAGE DAILY QUANTITY NEEDED	500	8-9 S 8-9	TAX MAP: 27 BLK: 23 PARCEL 1/4	
(G	AL PER DAY) 14	20	8 NOT TO	O DE EILLED IN DV DDILLED	
	USE FOR WATER (CIRCLE AP	PHOPRIATE BOX)		O BE FILLED IN BY DRILLER H DEPARTMENT APPROVAL	
/	D DOMESTIC POTABLE SUPPLY & RESIDEN	NTIAL	14 1	(13) 11 517 721	
= 3	IRRIGATION	ICHI TUDAI	COUNTY NAME	COUNTY NO.	
	F FARMING (LIVESTOCK WATERING & AGRI IRRIGATION	ICOLTONAL	STATE		
22	I INDUSTRIAL, COMMERICIAL, DEWATERIN	VG	SIGNATURE	INSERT S 41	
1	P PUBLIC WATER SUPPLY WELL		DATE ISSUED	Min Wall 1/10/00	
BAN			43 MM DD YY 48	CO SIGNATURE EXP. DATE	
44.5	T TEST, OBSERVATION, MONITORING		NORTH 5/7 0	000 GRID 0794 000	
	G GEO-THERMAL		50	55 57 63	
= 17			SHOW MAJOR FEATURES	SOF 1/31/08 TDS Same	
Al	PPROXIMATE DEPTH OF WELL 130	O FEET	BOX & LOCATE WELL '-	1 leaded @ V-	
	24	28	SOURCES OF DRILLING	WATER	
A	PPROXIMATE DIAMETER OF WELL	6 NEAREST INCH	1.Well	× Ky	
W = 1	METHOD OF DOUL INC	(-1-d	2.		
	METHOD OF DRILLING ORED (or Augered) JETTED	(circle one) Jetted & DRIVEN	3.		
20-		ROTARY (Hydraulic Rotary)		Ala	
37 A		DRive-POINT	WRITE THE BOX NUMBER	H	
		DRIVE-POINT	FROM THE MAP HERE		
ot	her	NED WELLS	F 790	4	
11. 6	REPLACEMENT OR DEEPE (CIRCLE APPROPRIATE			000	
1	THIS WELL WILL NOT REPLACE AN EXIST		N 519	7	
(7	THIS WELL WILL REPLACE A WELL THAT		DRAW A SKETCH BELOW	V SHOWING LOCATION OF WELL IN	
L	ABANDONED AND SEALED			TOWNS AND ROADS AND GIVE	
39	S THIS WELL WILL REPLACE A WELL THAT Y AS A STANDBY-CONTACT LOCAL APPROV		DISTANCE FROM WELL 1	TO NEAREST BOAD JUNCTION	
	FOR POLICY ON STANDBY WELLS			W.	
	THIS WELL WILL DEEPEN AN EXISTING W		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	VX	
	ERMIT NUMBER OF WELL TO BE REPLACED O AVAILABLE) 41	R DEEPENED 52	N	1.	
,,,,				10	
	Not to be filled in by driller (MDE OR C	OUNTY USE ONLY)		1) V	
	PPROP. PERMIT NUMBER 40 20	06G 009		N /w	
A					
	PERMIT No. 140 -	- 95 - 1508 2 73 74 75 76 77 78 79	J		
		2 73 74 75 76 77 78 79	14	Carlon Dayon	
	PECIAL CONDITIONS TE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED -	to Memo	cordyn. 1	-	
		,0,,,0	10001100		

FIELD DATA SHEET HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95 - 1508 Location of property (road) Trea delchia	- Rd
Substivision The Warfield TI	Lot 12 Block Plat Sec.
Hell Driller Joseph Mayne	Owner Kennach Wartiers Jr.
Depth of well 200:	
Distance of measuring point (M.P.) abo	ve ground //
Static water level (S.W.L.) below M.P.	_58.
I. High rate pumping reservoir drawdown	
Time pump started 10:25 Total time 15 min. to reach pumping	Pumping rate 20 000. water level 1.09 ft below M.P.

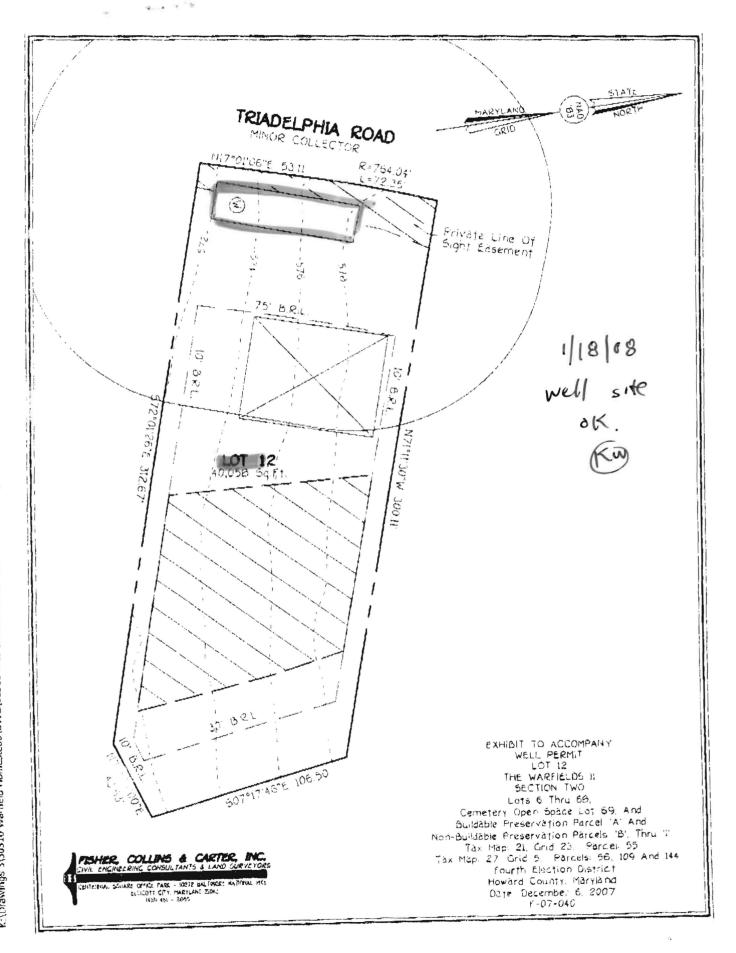
II. Recovery pump test data - observations to be recorded every 15 minutes

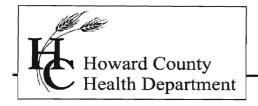
PIME (in 15 minute in-	WATER LEVEL below M.P.	PUMPING RATE time to fill % /	FLOW METER READING (if used)	CALCULATED FLOW (gallons per
tervals	2010111111	gallon bucket	(11 0000)	minute)
10:25	58'		N/A	
10:40	109.	3 sec.		20 gpn
10:55	106	7		85"
11:10	105	7		8.5
11:25	105	7		8.5
11:40	105	7		8.5
11:55	105	7		8.5
12:10	165	7		8.5
12:25	105	7		8.5
12:40	105	7		8.5
12:55	105	7		85
1:10	105	7		8,5
1.25	105	7		8.5
1:40	105	7		8.5 "
			MEALES AND EACH EACH	(4) (4) (4) (4) (4) (4) (4) (4) (4) (4)

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

	i •	
NOTE: The installer is respon	nsible for requesting an igen-	ection prior to 9 am on the day of the desired
inspection No work is to be cove	red until anaround by the W	eaith Department. All installations must comp
with the National Standard Plu	mbing Code (NSBC) of one	nded locally) and COMAR 26.04:04 (MD Well
Construction Descriptions Sub-	mining code (NSPC, as ame	aded locally) and COMAR 26.04.04 (MD Well
		required prior to Use and Occupancy approv
and Chart L	Enprove Co Just	" UID = 78 I=U/CEP
Company Name ive 544	Telepin	ione #: 410 101 10 3 5
Vadices: Nagl bar No	THE HOU	
ZAKELOU	R, MO	
	Raysell Minicial	
(Niust circle one) Licensed Plumbe	Licensed Well Driller	Licensed Well Pump Installer
License # and name of individual re	sponsible for the field installat	
Name (Print): Ko DLW F 4. Fu	2 2 2 V	
*A licensed individual must perform	rm the actual installation. A	pprentices must be under the direct
supervision of a licensed journeyn	ian or master plumber, pumi	p installer or well driller. Licenses may be
		<u>na amidel di Militer</u> t, maj di aj
Name of Property Owner: NV	HOMES Tele	phone #: 410-379-5956
Subdivision: WARFIELD F	Lot	#: 12 Well Tag # : HO - 9.5 - 1500
Site Address: 14 SQ 5 TRUM	PUPLIA RD	
GLEUELG. A	D 2/22	
Submersible Pump Data		Well Can and Flactric Conduit
Make ST AS PETERS	Make Campholl	
, Avanto, with the state of the		Screened vented well east 12
	Death Vall (35" min)	Can secured to coring
TWATTER AND COM	NSE approved:	Conduit min 18" B G
West Fred G	numm installation (A.O. (See)	
Deput dr. weir encountered at time of	pump mistanauonideo o (teet)	Conduit section to well cap.
if pump capacity exceeds well yield.	a tow water cut out switch is to	dimen by Marc 1330 Section 17.8.4
Torque atrestors of Cable guards are	reduited — Milist circle one	
Safety rope, it used, attached to ins	ide of Men casing with eac no	
	2016년 부모님의 김학생, 공하는	萨尔维勒特 医肾髓 医多形皮质 医皮肤 医牙根
Depth of supply line: 16' (16" min)	Sleeve caulked and seal	led properly:
	시대 (원인 생기의 기본) 원인 경기 시간	
The water supply line is required to	be at least ten feet from the	septic tank, pump chamber, sewage piping,
distribution box, drainfields, and se	wage reserve area. If this ca	innot be accomplished, contact this office for
approval priesto installation.		
		$-\epsilon h = 1$
X dul L 11	4 Cu	3/18/10
Signature of company representative p	esponsible for installation	date
	Land to the second second	
For Health Dep	partment Use Only - Not to b	e completed by Installer
		-1-1 OK ()
Date Insp. Requested:		
Address: G32/ Bar with AUQ. Must circle one) Licensed Plumbed Licensed Well Driller Licensed Well Pimp Installer icenses # and pame of individual responsible for the field installation. All censed individual must perform the actual installation. Apprentices must be under the direct upervision of a licensed Journeyman or master plumber; pump Installer or well driller. Licenses may be individual must perform the actual installation. Apprentices must be under the direct upervision of a licensed Journeyman or master plumber; pump Installer or well driller. Licenses may be individual must perform the actual installation. Apprentices must be under the direct upervision of a licensed Journeyman or master plumber; pump Installer or well driller. Licenses may be individual must perform the actual installation. All censed individual must perform the actual installation. Apprentices must be under the direct upervision of a licensed Muster when the direct upervision of a licensed Muster when the direct upervision of all censes may be individual must filler. Licenses may be individual must filler. Licenses may be understoone ## Well Cap and Electric Conduit Licenses may be understoone ## Well Cap and Electric Conduit Individual Cap ##		
Two piece cap instal	led and attached to casing secu	irely
Elec. conduit extend	s at least 18" below grade/attac	thed to cap properly
		ove finished grade
	eved adequately at house conn	
	rved below pitless adapter	
		ting the state of





Bureau of Environmental Health 7178 Gateway Drive Columbia, MD 21046

(410) 313-2640 TDD (410) 313-2323

Fax (410) 313-2648 Toll Free 1-866-313-6300

website: www.hchealth.org

Peter Beilenson, M.D., M.P.H., Health Officer

June 23, 2010

Homeowner 14595 Triadelphia Road Glenelg, MD 21737

RE: The Warfields II, Lot 12

14595 Triadelphia Road BP #: B10000172 Well Tag: HO-95-1508

Dear Sir:

This is to advise you that the septic system for the above referenced property has been installed and inspected. Final approval of the septic system was granted on 05/14/2010. Final approval of the well line connection to the dwelling was approved on 05/13/2010.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

Enclosed with this certificate, is a copy of the septic permit and the as-built along with important information regarding the use and maintenance of your septic system. Please read through carefully and thoroughly. Any questions regarding your well and/or septic, please call this office for guidance 410-313-1771.

INTERIM CERTIFICATE OF POTABILITY

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-95-1508. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.

Date of Water Samples:

06/22/2010

Date of Well Completion:

01/31/2008

Approving Authority,

Kevin M. Wolf, R. S. Well & Septic Program

cc:

Building Inspector's Office

Community Hygiene

File

S/O Number:

Report Date:



TRACE LABORATORIES, INC A Methode Electronics, Inc. Company 5 North Park Drive Hunt Valley, MD 21030 USA Telephone: 410/584-9099 / Fax: 410/584-9117 Website: www.tracelabs.com / Email: info@tracelabs.com

77969

Maryland State Certified Laboratory # 318

June 23, 2010

CERTIFICATE OF ANALYSIS

Requester:

NV Homes, Inc Attn: Buddy

6085 Marshalee Drive Suite 130

Elkridge, Maryland 21075

Property Sampled:

14595 Triadelphia Road, 21737

County:

Howard

Subdivision: Lot #:

Warfield Estates 8012

Tax Map #: Parcel #:

14 154

Building Permit #:

B 10000172

Date/Time Collected: Date/Time Received:

June 22, 2010 at 3:15 pm June 22, 2010 at 4:25 pm

Sample Location:

Pressure Tank

Samples Iced: Yes

Sampler ID:

9813AM

Residual Cl₂ <0.1 mg/L: Yes

Well Tag Number:

Well Condition: 2 - Piece

Satisfactory

HO-95-1508

Water Conditioning/Treatment: Neutralizer, Softener

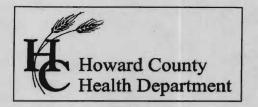
PARAMETER	RESULT	METHOD	MCL/*SMCL	
Nitrate Turbidity	9.9 mg/L as N <1.0 NTU	SM 4500D EPA 180.1	10 mg/L as N 10 NTU	Pass Pass
pH Sand	5.9 Units Negative	EPA 150.1	*6.5-8.5 Units Negative	***
Total Coliform E.coli	Absent Absent	SM 9223B SM 9223B	Absent Absent	Pass Pass
	Please of File	note this	Kara Waltimyer Drinking Water Testing Divi	sion

MCL=Maximum Contamination Level

*SMCL=Secondary Maximum Contamination Level

^{***}A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.

DEPARTMENT OF HEALTH AND MENTAL HYGIENE **SEND REPORT TO:** Lab No. **Date Received** Laboratories Administration Relt Nixun 201 W. Preston St. P.O. Box 2355, Baltimore, Maryland 21203 WATER ANALYSIS Do not write above this line. Name County _ A Data Category M Code P Submitter L E CHECK (one per box) Drinking Water Landfill Community Emergency Source (raw water) Federal Routine Recheck I Distribution (treated) Project Stream Other Private Special D Sampling Type of F Preservation: Iced Acid Plant No. Acid Station I Specific Chlorine: Free Total Conductance E L Notes to Lab/Remarks: _ D ERROR CODE CHECK TESTS **RESULTS TESTS** Alkalinity (Total) Ammonia - N Chloride Color* Conductance*, Spec. **Dissolved Solids** Hardness Fluoride Nitrite, N Nitrate - Nitrite, N **Sulfate Total Solids** Turbidity* Other: Results reported in Units, all others in milligrams per liter (ppm) Date Number of FEB 1 1 2008 Section Chief **Asoka I. Katumuluwa** Reported . **Tests Requested** DHMH 90-A 03/07 SUBMITTER'S COPY



Bureau of Environmental Health 7178 Gateway Drive Columbia, MD (410) 313-2640 Fax (410) 313-26

TDD (410) 313-2323

Columbia, MD 21046 Fax (410) 313-2648 Toll Free 1-866-313-6300

website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

Friday, January 18, 2008

MEMORANDUM

To: WELL DRILLER,

FILE

From: Kevin Wolf, Sanitarian

Well and Septic Program

Re: The Warfield's II (F-07-040)

Lot's 6-14

In order to preserve the quality of ground drinking water, a special condition has been set for wells of lots 6 though 14 for the above referenced property. This condition requires the driller to seal off the upper strata by placing a certain amount of casing to the approximate depth below the very first water-bearing fracture OR a minimum of 75 feet (which ever comes first). For example, if you hit a water-bearing fracture at 53 feet, then there should be at least 55 feet of casing or enough casing to get below that fracture. Any deviations to this condition are to be prior approved by the Health Department.

IMPORTANT

'FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
3/2008	A special condition has been set for this
	lot I have on additional took for
	Testal Dissolved solids a time of FLOP.
	-> place Kern or Bert
1-21-10	Building Blan Not to Scale, Retter Sent 1-21-pdb
1-29-10	Spoke with engineer (410) 461-2855
	Spoke with engineer (410) 461-2855
5/5/10	Hastest for IDS
PIS	
	been completed)
	been comploted? Or Is result of 2/9/00 within limits
264	
1 -1	To be done @ FGOP
5/27/200	Spoke with General Clancy (Applicant gencening IF tank Dorother
(1 1 12 C	Dennis Teaga calls, soup be motalled I tank 5 feet from
	septe tank (10-15 feet from house) & parallel to settente