

483 MONTAGUE  
PERICULTURAL WELL

WALKED WELL SITE ON 11/13/09 -





# Well Completion Report Codes

## Section 2

Work Performed	Work Performed Code
Decommission	DC
Deepen	DP
Hydrofracture	HF
New Well	NW
Repair	RP
Replacement	RE

## Section 3

Well Type	Well Type Code
Cathodic Protection	CTPR
Domestic	DMST
Geoconstruction	GCON
Geothermal Closed Loop	GTCL
Geothermal Open Loop	GTOL
Industrial	INDS
Injection	INJC
Irrigation	IRRG
Monitoring	MONT
Public Water Supply	PBWS
Recovery	RCVR
Test Wells	TSTW

## Section 4

Drilling Method	Drilling Method Code
Air Hammer	AH
Air Rotary	AR
Auger	AG
Cable Tool	CT
Casing Advancement	CA
Core	CR
Direct Push	DP
Drive and Wash	DW
Dug	DG
Mud Rotary	MR
Reverse Rotary	RR
Sonic	SN

## Section 5

Overburden Lithology Name	Overburden (OB) Code	Overburden Color	Overburden Color Code	Bedrock Name	Bedrock (BR Code)
Artificial Fill	AF	Black	BL	Amphibolite	AM
Boulders	B	Bluish Gray	BG	Basalt	BS
Clay	CL	Brown	BR	Conglomerate/Breccia	CG/BR
Coarse Sand	CS	Dark Gray	DG	Diorite	DI
Cobbles	C	Greenish Gray	GG	Gabbro	GB
Fine Sand	FS	Light Gray	LG	Gneiss	GN
Fine to Coarse Sand	FCS	Reddish Brown	RB	Granite	GR
Gravel	G	Yellowish Brown	YB	Limestone	LS
Medium Sand	MS			Marble	MA
Organics	O			Quartzite	QZ
Sand & Gravel	SG			Rhyolite	RH
Silt	SI			Sandstone	SS
Silty Clay	SICL			Schist	SC
Silty Sand	SIS			Shale	SH
Silty Sand & Gravel	SISG			Slate/Phyllite	SL/PH
Till	T			Pegmatite	PM

## Section 6

Casing Type	Casing Type Code	Thickness	Thickness (NO CODE)
Certa-Lok	CTL	Schedule 5	
Fiberglass	FBG	Schedule 10	
Galvanized Pipe	GLP	Schedule 40	
HDPE	HDP	Schedule 80	
NSF Coated Steel	NCS	Schedule 160	
PVC	PVC	SDR 13.5	
Stainless Steel	SST	SDR 17	
Steel	STL	SDR 21	
		SDR 26	
		SDR 32.5	
		SDR 40	
		17#	
		19#	

## Section 7

Screen Type	Screen Code
Carbon Steel	CST
Continuous Wire PVC	CWP
Galvanized Wire Wrapped	GWW
Perforated Pipe	PPF
Pre-pack PVC	PPP
Pre-pack Stainless	PPS
Slotted PVC	SLP
Stainless Steel Vee Wire	SSV
Stainless Steel Well Point	SSP

## Section 8

Annular Seal/Filter Pack/Abandonment	Annular Seal/Filter Pack/Abandonment Material Code	Purpose	Purpose Code
Bentonite Chips/Pellets	BC	Fill	FL
Bentonite Grout	BG	Filter	FT
Cement/Bentonite Grout	CB	Seal	AS
Concrete	CT		
Sand	SD		
Native Material	NM		

## Section 10

Method	Method Code
Air Blow with Drill Stem	AB
Air Lift	AL
Bailing	BL
Constant Rate Pump	CR
Variable Rate Pump	VR
Slug	SG

## Section 12

Pump Description	Pump Description Code	Horsepower
3 Wire Variable Speed Submersible	3WVS	1/2 20
2 Wire Variable Speed Submersible	2WVS	3/4 25
2 Wire Constant Speed Submersible	2WSS	1 30
3 Wire Constant Speed Submersible	3WSS	1 1/2 40
Constant Speed Submersible Turbine	CSST	2 50
Variable Speed Submersible Turbine	VSST	3 60
Jet	JET	5 75
Line Shaft Turbine	LST	7 1/2 100
Centrifugal	CENT	10 125
		15 150
		200

## Section 13

Surface Seal Type	Well Seal Type Code
Cement	CM
Cement/Bentonite	CB
Concrete	CT
None	NO

PERMITS/INSP PAYMENT RECPT#: 10050656  
\*\*\*TOWN OF AMHERST\*\*\*  
TOWN HALL  
4 BOLTWOOD AVENUE  
AMHERST MA 01002

DATE: 12/10/09 TIME: 11:26  
CLERK: mirj DEPT:

PAID BY:  
PAYMENT METH: CHECK 5600

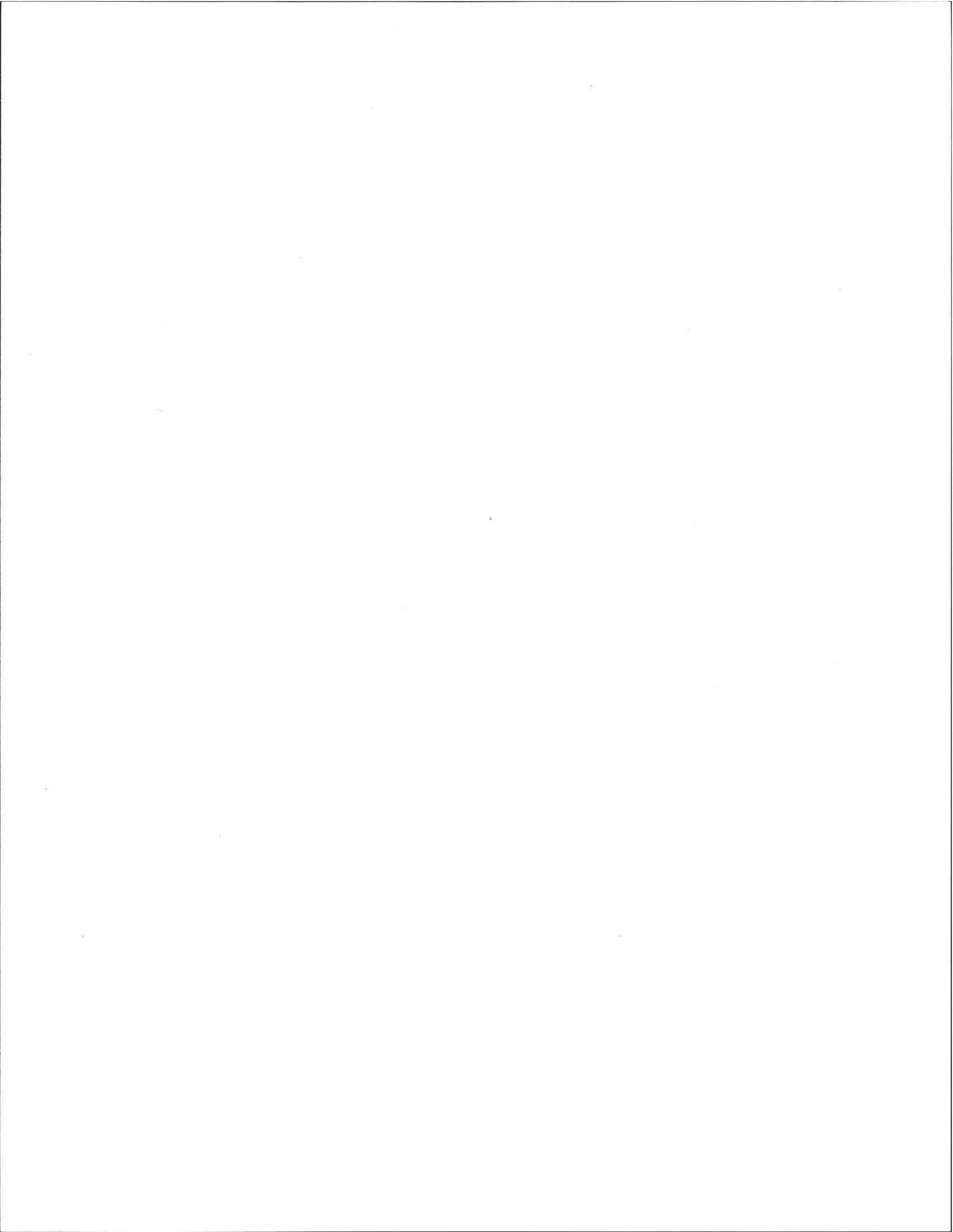
REFERENCE: A

AMT TENDERED: 100.00  
AMT APPLIED: 100.00  
CHANGE: .00

SITE ADDRESS: 483 MONTAGUE RD

FEEES:  
HEA059 WELL PERMITS 100.00

TOTAL PAID: 100.00



*Town of*



AMHERST

*Massachusetts*

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AMHERST HEALTH DEPARTMENT, 70 BOLTWOOD WALK, AMHERST, MA 01002  
(413) 259-3077 (413) 259-2404 - FAX Environmental Health Division (413) 259-3078

November 16, 2009

Dear Board of Health,

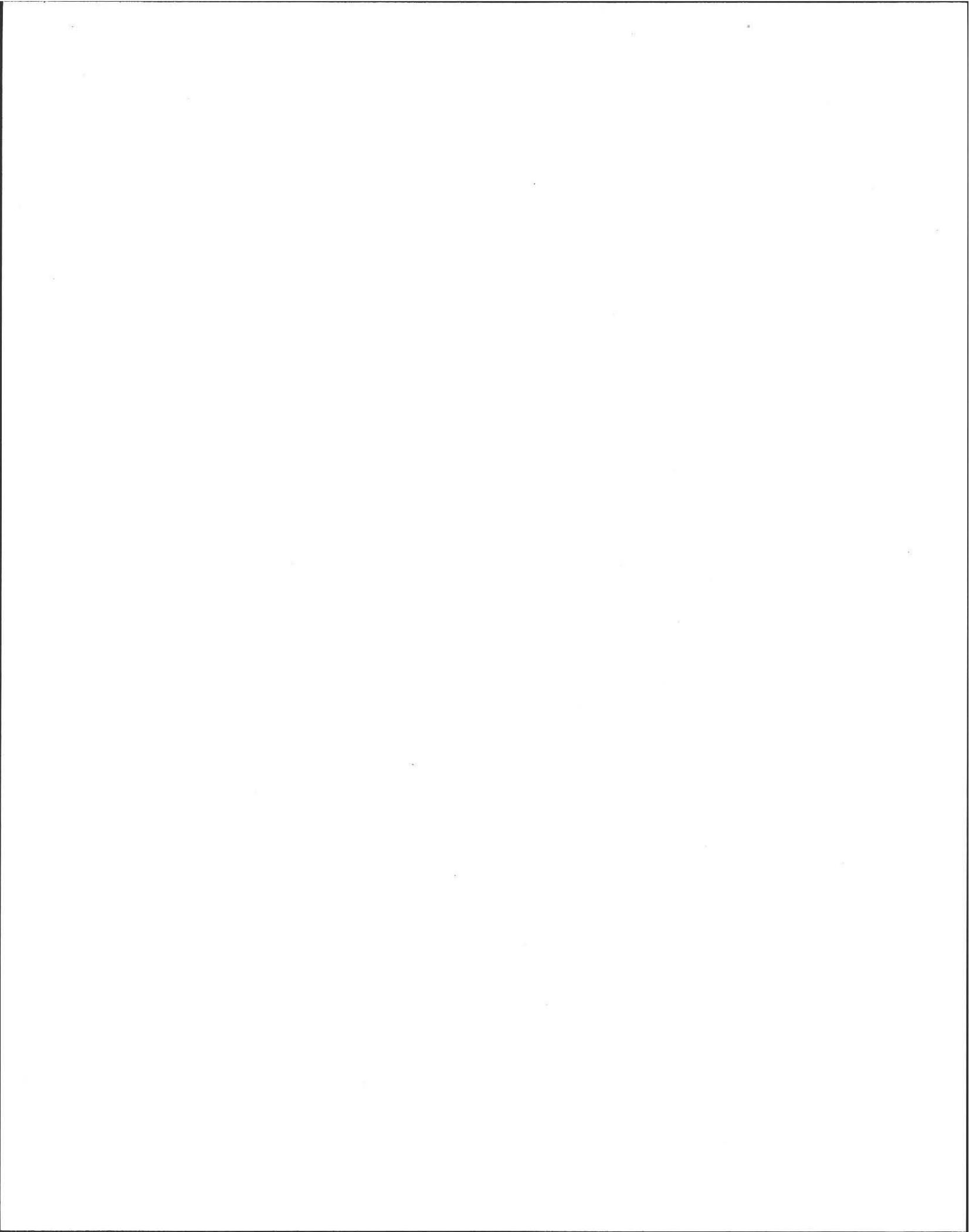
On Friday - November 13, 2009, I conducted a site inspection at 483 Montague Road. The property is zoned for agricultural use and has been farmed for many years, if not forever. During my site inspection, I noted the following items **were not** within 200 feet of the proposed well site as specified by the Town of Amherst Well Regulations:

- 1) No existing or proposed structures
- 2) No subsurface sewage disposal system
- 3) No subsurface or above ground fuel storage tanks
- 4) No public ways
- 5) No utility rights-of-way
- 6) No other potential sources of pollution

After this site visit, and review of the application, it is my continued opinion the proposed well plan meets the Town of Amherst Well Regulation requirements.

Sincerely,

Gary Courtemanche  
Assistant Sanitarian



*Town of*



AMHERST

*Massachusetts*

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AMHERST HEALTH DEPARTMENT, 70 BOLTWOOD WALK, AMHERST, MA 01002  
(413) 259-3077 (413) 259-2404 - FAX Environmental Health Division (413) 259-3078

November 13, 2009

**RE: 483 Montague Road; Request for permit to install an agricultural use well.**

Dear Amherst Board of Health:

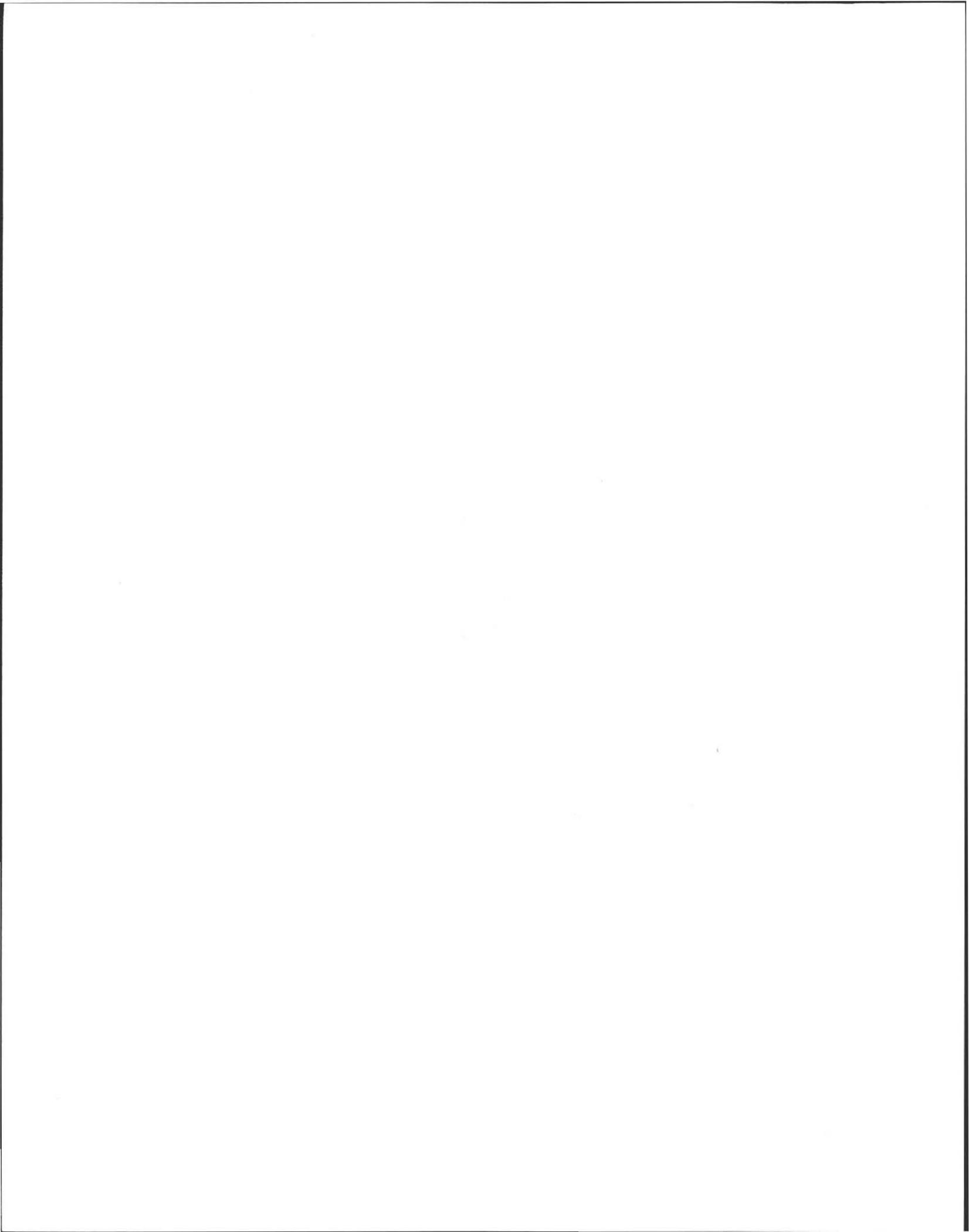
I have reviewed the plan for installation of an agricultural use well at 483 Montague Rd currently owned by David Patterson. In my opinion the proposed well plan design meets the requirements of the Amherst Board of Health Regulations for Private Wells as adopted on October 30, 2008.

I have spoken with Mr. David Ziomek Director of Conservation and Planning regarding this application and the Conservation Department has no objections.

Mr. Patterson will attend the 11/19/2009 BOH meeting and will be available to discuss and review the agricultural well site, and address any concerns or questions you may have.

Respectfully submitted by,

Gary Courtemanche Assistant Sanitarian





AMHERST HEALTH DEPARTMENT, 70 BOLTWOOD WALK, AMHERST, MA 01002  
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**APPLICATION FOR A WELL CONTRUCTION PERMIT**

I hereby petition the Board of Health of the Town of Amherst for a Well Construction Permit (WCP) to install a private well in the Town of Amherst.

**ATTACHED IS A PLAN SHOWING THE PROPOSED LOCATION OF THE WELL (WITH ORIGINAL DATE, STAMP AND SIGNATURE OF AN ENGINEER REGISTERED SANITARIAN, OR REGISTERED LAND SURVEYOR) MEETING ALL THE REQUIREMENTS OF AMHERST RULES AND REGULATIONS FOR PRIVATE WELLS.**

1. Address of Property: 483 MONTAGUE ROAD ✓
2. Assessor of Parcel Number: 02B-000-002
3. Name of Owner: DAVID + NANCY PATERSON Telephone Number: 413-537-2548  
Address of Owner: 483 MONTAGUE ROAD
4. Name of Well Driller: CUSHING + SONS (1.5# 558) ✓  
(Must be registered with Massachusetts Water Resources Commission)
5. Purpose of Well: \*Drinking ( ) Agricultural Only (X)

The undersigned acknowledges that he must, before commencing construction or use of the system which is the matter of this application, secure any and all other permits which may be required by the laws of the Town of Amherst and the Commonwealth of Massachusetts, and agree to abide by all regulations of the Town of Amherst and the Commonwealth of Massachusetts concerning private wells.

- The undersigned also understands that if a private well is to be used for drinking purposes, a **BUILDING PERMIT** affecting the structure the well is to serves **WILL NOT BE ISSUED UNTIL A Water Supply Certificate** has been granted by the Amherst Board of Health.

Name of Applicant: *David Pater* Fee: \$100.00

