Appendix F

Drilling Logs (Drinking Water Wells), Fracture Trace Analysis & Drinking Water Results

Well Permit #

Well Location	Street Ad	drace:	COMPLETION R				
Looulon		lace Rd, Well #1,	Town/Village:	Tax Map	9 #		GPS:
	Baldwin H-	ills Subdivision	The second se	D.C.			41° 21,37
Well Owner:	Name:		Mahopac Address:	Map	Block	Lot(s)	73° 45.64
and the second second second second							
	and the second se	owcrest Holding C	orp., 1699 Route	ó, Suite 1, Cann	el, NY 1051	2	
Use of Well:		idential	Public Suppl	Air cond	/heat pump) Irriga	tion
1-Primary	Bus	iness	Farm	Test/mor			r(specify)
2-Secondary	Indu	Istrial	Institutiona				(
Drilling Equipment	XRotary	Cable percuss	ion <u>X</u> Compresse			specify)	~~~~~
Well Type	Screene		asing <u>X</u> Open h			<u>,,) (</u>	
	Total Leng		Materials: X_S	City Colored C	_Other	-	
Casing Details		low grade121ft.					
	Diameter	_6 in.		Ided X Thread		ther	
	Weight pe		Seal: X Cemer			ther	
	avergint be		Drive shoe: X	Yes No	Liner:	Yes X No	
Screen Details	First		Slot Size	Length (ft)	Dept to S	creen (ft)	Developed
	Second						YesN
Well Yield Test		V Duran I and					Hours
Depth Date	Measure from la	X_Pumped X (ompressed Air	Hours 6	Yield	98	ġpm
Debili Dale		20.2'	-7				pleted well in ft.
Vell Log	Depth	From Surface		120.5		10	<u>55'</u>
f more detailed	ft.	ft.	Water Bearing	Well Diameter			
nformation	Land Surface	107		(in)	For	mation Des	scription
descriptions or		10/	Drilling in o Hit rock at 1	verburden, cl	lay and b	oulders.	
sieve analyses	107	122	Drilling in -				
are available,	122	165	Drilling in r Drilling in r	ock set casi	hg, grou	ted	
lease attach.				oph granite	1		
f yield was tested	Feet	Gallons I	Per Minute	Pump	Storage T	ank Inform	ation
t different depths				Pump Type		Capacity	
luring drilling st:				Depth_		Model	
51.				Voltage		HP	
5761107-1107-1111-11-11-11-11-11-11-11-11-11-11-11-	VAA: USD SUB 11.1			Tank Type		Volume	
	vveli Driller	PC Certificate # 01	9	NY State # NY	RD10105	Date of Re	port
11/24/04	Pump Instal	ler PC Certificate #		NY State #		1/31/	and the consider as the track of
Vell Driller Name a	& Address:			na determinen stat Brander ander		······································	· · · · · · · · · · ·
P. F. Real &	Sons. Inc	• 4 Putnam Ave	., Brewster, M		Pate 17	(signature	and and a second point and in pro-
ump installer Nar	ne & Addre	SS:	· · · · · · · · · · · · · · · · · · ·	14 10509	Christop	her Beal aller (signa	

NOTE: Exact Location of well with distances to at least two permanent landmarks to be provided on a separate sheet/plan.

White copy: HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Well driller Form WC-9

Well Permit # W36-08

		WELL	COMPLETION RE	PORT	An official sector	Contraction of Contract	<u>) - U@</u>
Well Location	Street Add Baldwin Well #1	ress: Hills Subd.,	Town/Village: Mahopac	Tax Map Map 86.6	# Block ⁻¹⁻	1 Lot(s) -4	GPS: 41° 21.37 N 73° 45.64 W
Well Owner:	Name:		Address:	P			
	C&C Mea	dowcrest Holds	ing Corp., 1699	Route 6, Su	ite l, Ca	rmel, NY	10512
Use of Well:	X_Resi	dential	Public Supply				
1-Primary	Busi	ness	Farm			Other	(specify)
2-Secondary	Indu	strial	Institutiona	IStandby			
Drilling Equipment	<u>_X</u> Rotary_	Cable percuss	ion X Compresse	d air percussion	nOther(s	pecify)	
Well Type	Screene	dOpen end c	asing <u>X</u> Open he	ole in bedrock _	Other		
	Total Leng	ithft.	Materials: S	teelPlastic	Other	r	
Casing Details	Length be	low gradeft.	Joints: We	ded Threa	dedO	ther	
	Diameter	în.	Seal: Cemen	t groutBent	toniteO	ther	
	Weight per	footlb/ft	Drive shoe:	Yes <u>No</u>	Liner:	Yes No	0
		Diameter (in)	Slot Size	Length (ft)	Dept to S	creen (ft)	Developed
Screen Details	First Second				-		YesNo Hours
Well Yield Test	Bailed	X Pumped X	Compressed Air	Hours 6	Yield	200	gpm
Depth Date	Measure from la	nd surface-static (specify 30 '	ft)	During yield test (ft) 460 ¹		Depth of comp 500	eleted well in ft.
Well Log	Depth	From Surface		Well Diamete	r		
If more detailed	ft.	ft.	Water Bearing		For	mation Des	scription
information	Land Surface	Drilled exi	sting well dee	per from 165	' to 500'		
descriptions or sieve analyses				+			
are available,					+		
please attach.							
If yield was tested	Feet	Gallons	Per Minute	Pum	p/Storage T	ank Inform	ation
at different depths		Guilons		Pump Type	protorage i	Capacity_	
during drilling				Depth		Model	
list:				Voltage		HP	
				Tank Type		Volume_	
Date Well Completed	Well Driller	PC Certificate # .c	19	NY State # NY	RD10105	Date of Re	eport
8/28/08	Pump Insta	ller PC Certificate	#	NY State #	2.5. March and A. Karlins, P. K. Marchard, and M. Waller, "Construction of the South State of the South S	10/10/	′ 08
Well Driller Name	N		Bernstein auf der Bernstein	erten en dunte anno 1990.	Well-Drille	er (signature	
P. F. Beal &	Sons, Inc	., 4 Putnam A	ve., Brewster,	NY 10509	CAR	pher Beal	يى ئى ئەر بىلەر بىلەر بىلەر بىلەر بىلەر بىلەر سەر بىلەر بىلەر بىلەر بىلەر بىلەر بىلەر بىلەر بىلەر
Pump Installer Na	and the state of the second states.	the state of the s		and the second s	And the second se	taller (signa	the second se
		distances to at least	n di kana sa ng tani shakka she da ang angerang e ng kana sa		n na shina a s Shina a shina a		n dan seban seban bir pangan seban seb Seban seban seb

NOTE: Exact Location of well with distances to at least two permanent landmarks to be provided on a separate sheet/plan.

White copy: HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Well driller

Well Permit #_____

Well Location		WEL	L COMPLETION RI	EPORT	- 60 A. CARDA BART	2728.8597.45 <u>7</u>	
Wen Location		dress: 1 Place Rd, Baldwin Hills	Town/Village: Mahopac	Tax Ma Map			GPS: 41° 21.34
Well Owner:	Name:		Address:	Tarab	Block	Lot(s)	73° 45.55
	C&C Mead	lowcrest Hold:	ing Corp., 1699	Rte 6. Ste	1. Carme	NY 1051	2
Use of Well:	X Resi	idential		/Air con			the second se
1-Primary	Bus	iness	Farm	Test/mc	nitoring		
2-Secondary	Indu	strial	Institutiona		17.0	Othe	r(specify)
Drilling Equipment	XRotary	Cable percus	sion <u>X</u> Compresse	Contraction of the local division of the loc		specify)	
Well Type	Screene		casing <u>X</u> Open h		A COLUMN TWO IS NOT	<u></u>	
	Total Leng	th <u>125 ft.</u>	Materials: X S		the second se	er	
Casing Details	Length be	low grade 124t.		Ided X Threa		Other	
	Diameter	_6_in.	Seal: X Cemen			-	
	Weight per			Yes No	tonite(Other	
		Diameter (in)	Slot Size	Length (ft)		_Yes X No	
Screen Details	First		-		Dept to		Developed Yes N
	Second						Hours
Well Yield Test	Bailed	X Pumped X	Compressed Air	Hours 6	Yield	87	gpm
Depth Date	Measure from la	and surface-static (specify 30 '	ft)	During yield test (ft) 565 [†]			leted well in ft.
Well Log	Depth F	From Surface		Well Diamete	r	00	
f more detailed	ft.	ft.	Water Bearing	(in)	Fo	rmation Des	cription
nformation descriptions or	Land Surface	110	Drilling in o	verburden, c	lay and	boulders	
sieve analyses	110	105	hit rock at I	10.			
are available,	125	125	Drilling in r	ock, set cas	ing, gro	ited	Contraction
please attach.		605	Drilling in r	ock granite			
f yield was tested							
t different depths	Feet	Gallons	Per Minute	Pum	p/Storage 7	ank Inform	ation
uring drilling				Pump Type		Capacity_	
st:				Depth		Model	<u></u>
				Voltage		HP	_
ate Well Completed	Well Driller	PC Certificate # (1 October 10 Control of Control o	Tank Type		Volume	
12/1/04	Pump Install	er PC Certificate		NY State # NY NY State #	RU10105	Date of Re 1/31	AND LOW YOU DET.
ell Driller Name	& Address:				WellDruk	I isignature	
P. F. Beal &	Sons, Inc	., 4 Rutnam A	ve., Brewster,	ATV doroo	Cæ		Alexandra and
ump Installer Nar	ne & Addres	SS:	SWOLCE,	<u>111 10009</u>	Dumples	taller (signat	
				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

NOTE: Exact Location of well with distances to at least two permanent landmarks to be provided on a separate sheet/plan.

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Rev. 3/06

Well Permit #

Well Location	Church and	WEL	L COMPLETIC				e anisetia.	
Well Location	Street Ad Baldwin P	lace Rd, Well #3	Town/Villag	e:	Tax Map	o #		GPS: 41° 21.02 1
		11s Subdivision	Mahopac		Map	Block	Lot(s)	73° 45.50 1
Well Owner:	Name:		Address:			-reen	201(3)	10 43.50
	C&C Mead	owcrest Holdi	ng Corp., 1	699 R	Route 6, Sui	ite 1, Ca	rmel. NY	10512
Use of Well:	X_Res	idential			Air cond			
1-Primary	Bus	iness	Farm		Test/mo	nitoring		r(specify)
2-Secondary	Indu	strial	Institu	tional	Standby			(opcony)
Drilling Equipment	X Rotary	Cable percus	sion X Compr	essed	air percussio	n Other(s	specify)	
Well Type	Screene		casing X Op					~
	Total Leng	th <u>176 ft.</u>		X Ste			r	
Casing Details	Length be	low grade 175t.	Joints:	Weld	ed X Threa		ther	
	Diameter	6 In.	Seal: X Ce		ton t			
	Weight per	r foot 19 lb/ft	Drive shoe:			Liner:	Yes X N	
		Diameter (in)	Slot Size		Length (ft)		Screen (ft)	Developed
Screen Details	First					Boprior		Yes_ N
	Second					1		Hours
Nell Yield Test	Bailed	X Pumped X	Compressed A		Hours 6	Yield	15	gpm
Depth Date	ineasure from la	nd surface-static (specify 30 '	ft)		During yield test (ft) 585 ¹		Depth of com	pleted well in ft.
Vell Log	Depth I	From Surface	T		Well Diameter		62.	5'
f more detailed	ft.	ft.	Water Bear		(in)			
nformation	Land Surface	160			erburden, c		mation Des	scription
lescriptions or			Hit rock a	it 16) ¹	lay and b	oulders_	
ieve analyses	160	176	Drilling j	D_rot	k, set cas	ing grou	tod	
re available, lease attach.	176	625	Drilling i	T TO	k granite	Ter Brun		· · · · · · · · · · · · · · · · · · ·
Cooc allach.								
yield was tested	Feet	Gallana	Per Minute					
t different depths		Galions	Per Minute		Pump	Storage T	ALL DESCRIPTION OF THE OWNER OWNER OF THE OWNER	
uring drilling					Pump Type		Capacity_	
st:					Depth Voltage		Model	
					Fank Type	-	HP	_
ate Well Completed	Well Driller I	C Certificate # 0	19				Volume_	
17/15/0/		er PC Certificate		g sarahar	NY State # NYR	910105	Date of Re	and the second second second second
ell Driller Name &	Address:				VY State #		1/31/	
P., F. Beal & S	ons Tre	Z 0				Well Bruh)
the start and the start of the start of the start in		A menuura 4	P Bromole	ar BL	U TOPOO	and the second s	and data and the second	Land and the second
ump Installer Nan	ac 2 A dala		- DI GWSLC	- H	10009	Christor	her Beal	to have a shirt of the second

NOTE: Exact Location of well with distances to at least two permanent landmarks to be provided on a separate sheet/plan.

White copy: HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Well driller

Well Permit #

Well Location	Street Ad	WEL	COMPLETION R				
Field Location	Baldwin P	dress: Mace Rd, Well #4, Mills Subdivision	A second s	Tax Ma	p #		GPS: 41° 21.15
Well Owner:	Name:	TTR SUBULVISION	Mahopac Address:	Мар	Block	Lot(s)	73° 45.45
		4					
	Cac Mea	lowcrest Holdi	ng Corp., 1699	Route 6, Sui	te 1, Car	mel, NY 1	.0512
Use of Well:		idential	Public Supply	/Air cond	d/heat pum	p Irriga	tion
1-Primary		iness	Farm	Test/mc	nitoring		(specify)
2-Secondary	Indı	Istrial	Institutiona	IStandby			(0,000.3)
Drilling Equipment	X_Rotary	Cable percuss	sion <u>X</u> Compresse	d air percussio	n Other(specify)	
Well Type	Screene		asing <u>X</u> Open h				*****
	Total Leng	th <u>112</u> ft.	Materials: X S		and the second se	r	
Casing Details	Length be	low grade 11 Ift.	Joints: We	and the owner when th		Other	
	Diameter	б in.	Seal: X Cemen	and the second s	the second se		
	Weight pe	Contract Contract Contract (1977)	Drive shoe: X	Yes No	Liner:	Other No. 1	
		Diameter (in)	Slot Size	Length (ft)	and the second s	Yes X_No Screen (ft)	the second se
Screen Details	First			Longin (II)	Dept to a	screen (m)	Developed
	Second						YesN Hours
Well Yield Test	Bailed	X_Pumped X (Compressed Air	Hours 6	Yield	4	
Depth Date	Measure from la	nd surface-static (specify i	ft)	During yield test (ft)			gpm leted well in ft.
Well Log		30'		5651		60	051
if more detailed	Depth ft.	From Surface		Well Diamete	r		and the local design of the second
nformation	Land Surface	ft.	Water Bearing	(in)	For	mation Des	cription
descriptions or		80	Drilling in o	verburden, c	lay and 1	oulders	
sieve analyses	80	112	IIIL LUCK AT 8	<u>u</u>			
are available,	112	605	Drilling in r	ock, set_cas	ing, grou	ited	
lease attach.			Drilling in r	dck granite			· •••••
yield was tested	Feet	Gallons	Per Minute	Pum	o/Storage T	ank Informa	tion
t different depths				Pump Type		Capacity	
uring drilling st:				Depth		Model	7
51.				Voltage		HP	
ate Well Completed	M/SIL Dalla			Tank Type		Volume	-
12/17/04		PC Certificate # 0	19	NY State # NYI	ED10105	Date of Re	port
and a second	Pump Instal	ler PC Certificate #		NY State #		2/1/07	
lell Driller Name a					Weth-Drille	r (signature)	
P. F. Beal &	Sons, Inc	•, 4 Putnam Av	enue, Brewster	NY 10500		and a state of the	ala ana ana ang ang ang ang ang ang ang an
a second in the second se	no & Addro		a second s	2000	TUNCISto	ber Beal	
ump Installer Nar					Primoline	aller (signat	

NOTE: Exact Location of well with distances to at least two permanent landmarks to be provided on a separate sheet/plan.

White copy: HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Well driller

Well Permit #

Well Location	Street Ad	dress-	L COMPLETION R Town/Village:			and the second se	
		lace Road, Well	5	Tax M	ap #		GPS:
	Baldwin H	ills Subdivision	, Mahopac	84			41° 21.14
Well Owner:	Name:		Address:	Map	Block	Lot(s)	73° 45.39
		lowcrest Hold	ing Corp., 1699	Route 6, S	Suite 1, Ca	armel, NY	10512
Use of Well:		idential	Public Suppl	yAir co	nd/heat pum	pIrriga	ition
1-Primary	Bus	iness	Farm	Test/m	onitoring		r(specify)
2-Secondary	Indu	Istrial	Institution				(opeony)
Drilling Equipment	X Rotary	Cable percus	sion <u>X</u> Compresse			specify)	
Well Type	Screene					specify	
	Total Leng		casing X Open h	and the second s	and the second		
Casing Details	-		Materials: X S	1100	the second s	er	
odding Details		low grade $\frac{61}{6}$ ft.		Ided X Thre		Other	
	Diameter	in.	Seal: X Cemer	t groutBe	ntonite 0	Other	
	Weight pe	r foot 19 ib/ft	Drive shoe: X	Yes No	Liner:		0
Screen Details		Diameter (in)	Slot Size	Length (ft)		Screen (ft)	Developed
ocreen Details	First						YesN
	Second						Hours
Well Yield Test	Bailed	<u>X</u> Pumped X	Compressed Air	Hours 6	Yield	8	gpm
Depth Date	incasure from la	nd surface-static (specify	(ft)	During yield test (nt)	Depth of comp	leted well in ft.
Well Log		30'			55 '	60	5'
f more detailed		From Surface		Well Diame	ter		
nformation	ft.	ft.	Water Bearing	(in)	Fo	mation Des	cription
descriptions or	Land Surface	45	Drilling in c	verburden.	clay and	houlders	
sieve analyses	15		mit rock at 4				
are available,	<u>45</u> 62	62	Drilling in r	dck, set ca	sing grou	uted	
lease attach.	02	605	Drilling in r	dck granite	2		
						-	
f yield was tested	Feet	Gallons	Per Minute	Pun	np/Storage 1	ank Inform	
t different depths				Pump Type	inprotorage i	Capacity	ation
uring drilling				Depth			
st:				Voltage	-	Model	
				Tank Type		HP Volume	-
ate Well Completed	Well Driller I	PC Certificate # (D19	NY State # N	VBDIDIOF	Date of Re	Dort
1/3/05	Primn Instal	er PC Certificate		the second state of the se	TATOTOD	r internet for and	and an and a second second
/ell Driller Name &	& Address	ci i o cerimcale	#	NY State #		2/1/07	· · · · · · · · · · · · · · · · · · ·
P. F. Beal &	Sons Tre	/ Drea			Well Drill	er (signature	
ump Installer Nar	no P A L	• • • ruenam A	venue, Brewste	-, NY 10509		pherenteral	
	ne a Adares	55			Pump Ins	taller (signal	ure)
	and the second of the state of the state of the state	the second state and a second state of the sec	the state of the s	to a feast all in special special sector as himself and and and an	mirally all pre charactelle to south the state	te ner fe felt att ter be fe ter ter mit af "fatt" to	the state of the second st

NOTE: Exact Location of well with distances to at least two permanent landmarks to be provided on a separate sheet/plan.

White copy: HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Well driller

		WV LEI	L COMPL	ETION F	REPORT	CTC.	/10 01 00 1	
Well Location	Street Addres Baldwin Pla Baldwin Hil	ss: ce Rd, Wel	1,#6,	Town/Vi	illage:	Tax Grid		N 73° 45.68
Well Owner:	Name:	IS SUDDIVI	slon	Maho		Map	Block	Lot(s)
				Address:				
Use of Well:	Cac Heado	wcrest H	olding Com	rp. 1699	Route 6,	Suite 1	, Carmel,	NY 10512
1-primary	A Resider	itial	Publi	c Supply			oump	
2-secondary	Busines		Farm			monitorin/		Other(specify)
	Industri		Institu	utional	Stan	dby		(1
Drilling Equipment	X Rotary	Cab	le percussion		mpressed air j	percussion	Other (s	pecify)
Well Type	Screene	d0	pen end casin				Other	(peerry)
	Total length		62 ft.		X Steel		~	
Casing Details	Length below	grade	61 ft.	Joints:		d X Three		
	Diameter	•	6 in.	-	Cement gro	The second se		Other
	Weight per fo	ot	19 lb/ft.	Drive shoe	: <u>X</u> Yes		ntonite	Other
			eter (in)	Slot Size		No	Liner:	Yes X No
Screen Details	First			SIDE SIZE	Length(ft)	Depth to	Screen (ft)	
	Second							YesNo
Well Yield Test	Bailed	V Dumanad		L				Hours
Depth Data	Measure from land	A rumped	X Comp			Hours 6		<u>81</u> gpm
		Elowing	specify It)	During yield		Depth of co	mpleted well	in feet
Well Log				193			605'	
If more detailed	Depth From		Water	Well	-	For	mation	The second s
information	ft.	ft.	Bearing	Diameter(in)		Desc	ription	
descriptions or	Land Surface	30	Drilling	in over	burden, c	lay and	boulders	
and a second sec			Hit rock	at 30'				
sieve analyses	30	62			, set cas:	ing aro	utod	
are available,	62	605	Drilling	in rock	granite	<u>-</u> -61 V	aleu	
please attach.								·····
f yield was tested	Feet		Gallons Pe	r Minute	Pum	n/Storage	Tank Infor	
t different depths					Pump Type			
luring drilling,								
ist:					Depth		Model	
					Voltage		HP	
					Tank Type		Volume	
ate Well Completed	Putnam County Certi		1	Date of Report	IN	Well Driller (si	(Instited)	
2/1/05	#019		010105	2/1/0	7	E	-	
OTE: Exact location	of well with dista	inces to at le	ast two narma	mont land		Christop	her Beal	

on a separate sheet/plan.

Well Driller's Name P. F. Beal & Sons, Inc. Signature: Christopher Beal

Address: <u>4 Putnam Ave, Brewster, NY 10509</u> Date: 2/1/07

White copy: HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Well driller

Form WC-97

T COMPT T

TTT II T		WEL	L COMPL	ETION F	REPORT	GPS: 4	1° 21.18 N	73° 45.71 W
Well Location	Street Addres Baldwin Pla	ss: ace Road WF		Town/Vi	illage:	Tax Grid		10 10.11 1
Well Owner:	Baldwin Hil	1s Subdivi	sion	Maho	opac	Map	Block	Lot(s)
wen Owner:	Name:			Address:				
Use of Well:	Cau Meado	wcrest H	olding Con	P., 169	9 Route 6	, Suite :	1, Carmel	, NY 10512
	Itesiden	luar	Public	c Supply	Air	cond/heat p	oump	Irrigation
1-primary 2-secondary	Busines		Farm		Test	/monitorin	g (Other(specify)
	Industri	~		tional	Stan	dby		
Drilling Equipment	X Rotary	Cab	le percussion	X Cor	mpressed air	percussion	Other (s	Decify)
Well Type	Screene	d0	pen end casir	ng X (Open hole in	bedrock	Other	
	Total length		62 ft.		X Steel			
Casing Details	Length below	grade	61 ft.	Joints:		d <u>x</u> Three		
	Diameter		6 in.		Cement gro	Nut Day		ther
	Weight per fo	ot		Drive shoe	: X Yes	No	Liner:	Other V
		Diamo	eter (in)	Slot Size	-			Yes X No
Screen Details	First				Built	Depuito	Screen (II)	
	Second							Ycs_No
Well Yield Test	Bailed	x Pumped	<u>x</u> Comp	ressed Air			1	Hours
Depth Data	Measure from land	surface-static (During yield	test(ft)	Hours _6.	mpleted well in	<u>95 gpm</u>
		1.8'			2.8'			n feet
Well Log	Depth From	Surface	Water	Well	<u></u>	ha	405'	
If more detailed	ft.	ft.	Bearing	Diameter(in)			mation	
information	Land Surface	30		The second secon			ription	
descriptions or			Hit rock	at 30'	burden, o	lay and	boulders	
sieve analyses	30	62			<u> </u>	· ··		
ure available,	62	405	Drilling	in rock	set cas	ing, gro	uted.	and the second
please attach.			DITTIL	in rock	granite		·····	
f yield was tested	Feet		Gallons Pe	r Minute	Pur	n/Storago	Tank Inform	
t different depths								
uring drilling,			······		Pump Type Depth			
st:					Voltage		Model	
							HP	
					Tank Type	.	Volume	
	Putnam County Certi			Date of Report		Well Dutter (si	enature)	
2/1/05	#019 of well with dista	NYRD1010	5	2/1/07		(75		

iks to be provided on a separate sheet/plan.

Well Driller's Name P. F. Beal & Sons, Inc. Signature: Christopher Beal

Address: 4 Putnam Ave., Brewster, NY 10509 Date: 2/1/07

White copy: HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Well driller

Form WC-97

WELL COMPLETION REPORT

Well Location	Street Addre	SS: Road He	11 #8	Town/Vi		Tax Grid	¥	
	Baldwin Hill	Ls Subdivis	ion	Mahop	0	Map	Block	Lot(s)
Well Owner:	Name:			Address				
	C&C Meador	worest Ho	lding Corr	., 1699	Route 6.	Suite 1.	Carmel	NY 1051
Use of Well:	X Resider	ntial	Public	c Supply				
1-primary	Busine	ss	Farm	- • • pprj	All (cond/heat pu	imp	_Irrigation
2-secondary	Industr	ial		utional	Stan	dby		Other(specif
Drilling Equipment	X Rotary	Cab	le percussion			the second se	011	
Well Type	Screene	ed O	pen end casir		Open hole in		and the second design of the s	specify)
	Total length		82 ft.	Materials		Plastic	Other	
Casing Details	Length below	grade		Joints:		d X Threa		
	Diameter		6 in,					Other
	Weight per fo	oot	and the second se	Drive shoe	Cement gro	The supervised in the supervis	The second se	Other
			eter (in)	Slot Size			Liner:	Yes X No
Screen Details	First			STOL DIZE	Longui(1t)	Depth to Se	creen (ft)	
	Second	1					<u> </u>	Yes
Well Yield Test	Bailed	y Pumper	<u>x</u> Comp		<u> </u>			Hours
Depth Data	Measure from land	surface-static (During yicld	tect(B)	Hours 6	Yield	<u>50</u> gpm
		30'		During yield		Depth of com		in feet
Well Log	Depth From	Surface	Water				05'	
f more detailed	ft.	ft.	Bearing	Well			iation	
nformation	Land Surface	60		Diameter(in)		Descr		
lescriptions or		00	Drilling	in over	urden, cla	ay and bo	ulders	
ieve analyses	60		Hit rock					
re available,		82	Drilling	in rock.	set cast	ng, grout	ted	
lease attach.	82	505	Dilling :	n rock g	ranite	-		
f yield was tested	Fee	t	Gallons Pe	r Minute	Pum	p/Storage T	ank Infor	mation
t different depths					Pump Type			
uring drilling,					Depth			
st;					Voltage		Model	
							IP	
to Well Co.					Tank Type	\	/olume_	
te Well Completed 3/6/06	Putnam County Cert #019			Date of Report	IV	Well Driller (sign	lature)	
	1 4010	NYRD1010						

Well Driller's Name P. F. Beal & Sons, Inc. 6 Signature: >

Address: 4 Putnam Ave., Brawster, NY 10509 Date: 2/1/07

Christopher Beal

White copy: HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Well driller

Well Permit # TW-3-08

		WELL	COMPLETION REP	PORT	WGULEGIN	I I I LOTE AND	<u>)</u> 0
Well Location	Street Add	ress:	Town/Village:	Tax Map	4		GPS: 73° 37.585W
	Baldwin	(Well #9) Place Road	Carmel	Map 86.06	Block 1	Lot(s) ⁴	41° 23.964N
Well Owner:	Name:		Address:				
	Baldwin	Hills Realty,	LLC, 1699 Rout	e 6, Suite 1	, Carmel	, NY 1051	12
Use of Well:	Resi	dential	Public Supply	Air cond/	heat pump	Irrigat	tion
1-Primary	Busi	ness	Farm	<u>X</u> Test/mon	itoring	Other	(specify)
2-Secondary	Indu	strial	Institutional	Standby			
Drilling Equipment	XRotary_	Cable percuss	ion <u>X</u> Compressed	air percussion	Other(s	oecify)	
Well Type	Screene	dOpen end c	asing <u>X</u> Open ho	le in bedrock	_Other		
	Total Leng	th <u>121</u> ft.	Materials: X St	eelPlastic	Other		
Casing Details			Joints:Weld	ded X Thread	led Ot	her	
	Diameter	8_in.	Seal: X Cement	grout Bento	onite Ot	her	
	Weight per	foot 29lb/ft	Drive shoe: X		7	Yes X No)
		Diameter (in)	Slot Size	Length (ft)	Dept to Se		Developed?
Screen Details	First						YesNo
	Second						Hours
Well Yield Test		X_Pumped_X		Hours 6	Yield	150+	gpm
Depth Date	Measure from la	nd surface-static (specify	it)	During yield test (ft)			leted well in ft.
		30'	·	570'		61	.0'
Well Log If more detailed	Depth ft.	From Surface		Well Diameter	1		
information	TL. Land Surface	ft.	Water Bearing	(in)		mation Des	
descriptions or	Land Sunace	6.5	Drilling in ov		ay, and	boulders	
sieve analyses	65	121	Hit rock at 65 Drilling in ro				
are available,	121	610	Drilling in ro			ceq	
please attach.							
							••••
If yield was tested	Feet	Gallons	Per Minute	Pump	/Storage Ta		
at different depths during drilling				Pump Type		Capacity_	
list:				Depth Voltage		Model	
not.				Tank Type		HP Volume _	
Date Well Completed	Well Driller	PC Certificate # 0	• @	NY State # NY		Date of Re	eport
10/6/08	(2) (i) (i) (i) (i) (i) (i) (i) (i) (i) (i	ller PC Certificate	[2] C. Ball, M. F. Sand, Y. Sand, Y. Sand, Y. Sand, Hans, and K. Ballan, and K. Ballan, and M. Sand, and	NY State #	VD10103	10/13/0	and a second contract of the second
Well Driller Name				• • • • • • • • • • • • • • • • • • •	WellDelle	r (signature	• • • • • • • • • • • • • • • • • • •
			ve., Brewster,	NY 10509			Charles and the second strain of the second strain and the second strain and strain a
Pump Installer Na	to an in his or a similar that many checks	يروحوا الدبواني محجمون الدائمة كأردود مراكبته الاستحصار				o <u>her Beal</u> aller (signa	
	na fa i tha international anna an anna 's a' a' statutat na chuir an t-statu 's a' a' statutat na chuir an t-statu		and a second	en an de alter de la constant de la Constant de la constant de la const Constant de la constant de la const	and a second second and a second second and a second second and a second second and a second second and second	na pana san na mangana sa	an a
OTE: Exact (ocatio	on of wall with	distances to at last	4.4	a a diate a	and a start of the matters	the sum and participation of the ball	a construction of the transformed and the state

NOTE: Exact Location of well with distances to at least two permanent landmarks to be provided on a separate sheet/plan.

White copy: HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Well driller

Well Permit #

			COMPLETION RE	PORT	wen rei		and the second
Well Location	Street Add Baldwin Well #10	r ess : Place Road, , Baldwin Hil	Town/Village: 1s, Mahopac	Tax Map Map	# Block	Lot(s)	GPS: 41° 21.33N 073° 45.07W
Well Owner:	Name:		Address:				
	C&C Mead	owcrest Hold	ing Corp., 1699	Route 6, Su	ite 1, Ca	armel, NY	10512
Use of Well:	X Resid	lential	Public Supply	Air cond	heat pump	o Irriga	tion
1-Primary	Busin	iess	Farm	Test/mor	itoring	Other	(specify)
2-Secondary	Indus	strial	Institutional	Standby	11.07 1		
Drilling Equipment	<u>X</u> Rotary	Cable percuss	ion <u>X</u> Compressed	air percussion	Other(s	specify)	
Well Type	Screened	dOpen end c	asing <u>X</u> Open ho	le in bedrock	Other		
	Total Lengt		Materials: X St		No. of Concession, Name	Г	
Casing Details	Length belo	ow grade 204ft.	Joints:Wel			ther	
	Diameter	<u>6</u> in.	Seal: X Cement	groutBent	onite O	ther	
	Weight per	foot 19 lb/ft	Drive shoe: X	Yes No	Liner:	Yes X No	0
		Diameter (in)	Slot Size	Length (ft)	Dept to S	Screen (ft)	Developed
Screen Details	First						YesNo
	Second						Hours
Well Yield Test			Compressed Air	Hours 6	Yield	5	gpm
Depth Date	Measure from Ian	d surface-static (specity 60 '	n)	During yield test (ft) 700 ¹		Depth of comp 740	bleted well in ft.
Well Log	Depth F	rom Surface		Well Diameter	r 1		
If more detailed	ft.	ft.	Water Bearing	(in)		mation Des	scription
information	Land Surface	190	Drilling in or	erburden, cl			
descriptions or			Hit rock at 19	p'			· · · · · · · · · · · · · · · · · · ·
sieve analyses	190	205	Drilling in ro	ck, set casi	ing, grou	ited	
are available, please attach.	205	740	Drilling in ro	<u>ck granite</u>			
If yield was tested	Feet	Gallons	Per Minute	Pump	/Storage 1	ank Inform	ation
at different depths				Pump Type		Capacity	
during drilling				Depth		Model	
list:				Voltage		HP	
				Тапк Туре		Volume_	
Date Well Completed 1/26/09	vveli priler i	°C Certificate # 0	19	NY State # NYR	D10105	Date of Re 2/4/(
and a second second Second second		er PC Certificate	#	NY State #		2/4/\	9
Nell Driller Name	& Address:	X	ve., Brewster,		Well-Drill	er (signatur)
Pump Installer Na			ve., Brewster,	NY 10509		oher Beal taller (signa	
			t two permanent landr	and the band to show to show the sho		(1) A state of the second s	andre Standards (1996) (1996) (1997) (1997) (1997) La constant of the standard (1997) (1997) (1997) La constant of the standard (1997) (1997) (1997) La constant of the standard (1997) (1997) (1997) (1997) La constant of the standard (1997) (1997) (1997) (1997) La constant of the standard (1997) (1

NOTE: Exact Location of well with distances to at least two permanent landmarks to be provided on a separate sheet/plan.

White copy: HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Well driller

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Well Permit #

		WELL	COMPLETION REP		New Sector and Constanting		
Well Location		ress: lace Rd, Well #11 ills Subdivision		Tax Map #	# Block	Lot(s)	GPS: 41° 24.77 N 073° 35.08 W
Well Owner:	Name:		Address:				
	C&C Mead	lowcrest Holdi	ng Corp., 1699	Route 6, Sui	te 1, Ca	rmel, NY	10512
Use of Well:	X Resi	dential	Public Supply	Air cond/	heat pump	Irriga	tion
1-Primary	Busi	ness	Farm	Test/mon	itoring	Other	(specify)
2-Secondary	Indu:	strial	Institutional	Standby			
Drilling Equipment	<u>X</u> Rotary	Cable percuss	ion <u>X</u> Compressed	air percussion	Other(s	pecify)	
Well Type	Screene	dOpen end c	asing X Open ho	le in bedrock	_Other		
	Total Leng	th <u>250</u> ft.	Materials: X St	eelPlastic	Othe	۲	
Casing Details	Length bel	ow grade 249 ft.	Joints: Wel	ded X Thread	led 0	ther	
	Diameter	бin.	Seal: X_Cement	grout Bento	onite O	ther	
	Weight per	foot 19lb/ft	Drive shoe: X		Liner:	Yes XN	D
		Diameter (in)	Slot Size	Length (ft)	Dept to S	Screen (ft)	Developed
Screen Details	First						YesNo
	Second				ļ		Hours
Well Yield Test			Compressed Air	Hours 6	Yield	10	gpm
Depth Date	Measure from la	nd surface-static (specify 30 ¹	ft)	During yield test (ft) 840 ¹			pleted well in ft. 80 ¹
Well Log	Depth	From Surface		Well Diameter			A
If more detailed	ft.	ft.	Water Bearing	(in)		rmation De	
information	Land Surface	230	Drilling in o	verburden, cl	ay, and	boulders	
descriptions or sieve analyses	230	250	Hit rock at 2		<u> </u>		•
are available,	250	880	Drilling in re Drilling in re		ng, groi	ITeo	
please attach.					1		
If yield was tested	Feet	Gallons	Per Minute		A DOMESTIC A DOMESTIC	Tank Inform	
at different depths				Pump Type Depth		Capacity Model	
during drilling list:				Voltage		HP	
1151.				Tank Type		Volume	
Date Well Completed	Well Driller	PC Certificate # ()19	NY State # NYR	D10105	Date of R	eport
2/6/09	Pump Insta	ller PC Certificate	#	NY State #	Analysis of the second se	2/19	/09 /
Well Driller Name P. F. Beal &	& Address		we., Brewster,	NY 10509	Well Øril		
Pump Installer Na	A REAL FRANCES	to a strong of a prostant part of the day for d P.		and a second design of the second	Pump In	staller (sigr	ature)
		in the standard state of the st	an a	n neutra na se den 1919 per la segui den a na segui Política (el construction del construction Política (el construction del construction	in de la cara a cara de la cara Se declaración a cara a del argen	i el a sen en ana an	en egen af en

NOTE: Exact Location of well with distances to at least two permanent landmarks to be provided on a separate sheet/plan.

White copy: HD File; Yellow copy - Building Inspector; Pink copy - Owner; Orange copy - Well driller Form WC-9





12/04/07

Technical Report for

Tim Miller Associates, Inc.

Zipkin Property, Baldwin Place Road, Carmel, NY

07049

Accutest Job Number: J77177

Sampling Date: 11/19/07

Report to:

Tim Miller Associates, Inc.

msacchetti@timmillerassociates.com

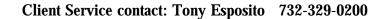
ATTN: Maureen Sacchetti

Total number of pages in report: 10



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

incent J. Pugliese President



Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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ACCUTEST

LABORATORIES

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956-2006

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2.2: J77177-2: SW-1	7
Section 3: Misc. Forms	9
3.1: Chain of Custody	10



Sample Summary

Tim Miller Associates, Inc.

Job No: J77177

Zipkin Property, Baldwin Place Road, Carmel, NY Project No: 07049

Sample	Collected			Matr	·ix	Client
Number	Date	Time By	Received	Code	е Туре	Sample ID
J77177-1	11/19/07	16:15 MF	11/20/07	DW	Drinking Water	DW-1
J77177-2	11/19/07	16:35 MF	11/20/07	DW	Drinking Water	SW-1







N

Sample Results

Report of Analysis



Page 1 of 2	N

2.1

Report	of	Analysis
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Client San Lab Samp Matrix: Method: Project:	DW - EPA 5	7-1 Drinking V 524.2 REV		Road, Carı	Date Sample Date Receive Percent Solid nel, NY	d: 11/20/07	
Run #1 Run #2	File ID 2B39420.D	DF 1	Analyzed 12/02/07	By MFH	Prep Date n/a	Prep Batch n/a	Analytical Batch V2B1706
Run #1 Run #2	Purge Volume 5.0 ml	2					

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units Q
67-64-1	Acetone	ND		5.0	1.3	ug/l
78-93-3	2-Butanone	ND		5.0	1.2	ug/l
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l
75-25-2	Bromoform	ND		0.50	0.18	ug/l
74-83-9	Bromomethane	ND		0.50	0.38	ug/l
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l
75-00-3	Chloroethane	ND		0.50	0.24	ug/l
67-66-3	Chloroform	ND		0.50	0.068	ug/l
74-87-3	Chloromethane	ND		0.50	0.13	ug/l
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l

ND = Not detected MDL - Method Detection Limit MCL = Maximum Contamination Level (40 CFR 141) E = Indicates value exceeds calibration range J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



108-10-1

91-20-3

103-65-1

100-42-5

630-20-6

71-55-6

79-34-5

79-00-5

87-61-6

96-18-4

95-63-6

120-82-1

108-67-8

127-18-4

108-88-3

79-01-6

75-69-4

75-01-4

95-47-6

1330-20-7

CAS No.

2199-69-1

460-00-4

4-Methyl-2-pentanone

1,1,1,2-Tetrachloroethane

1,1,2,2-Tetrachloroethane

1,1,1-Trichloroethane

1,1,2-Trichloroethane

1,2,3-Trichlorobenzene

1,2,3-Trichloropropane

1,2,4-Trichlorobenzene

1,2,4-Trimethylbenzene

1,3,5-Trimethylbenzene

Trichlorofluoromethane

Surrogate Recoveries

1.2-Dichlorobenzene-d4

4-Bromofluorobenzene

Tetrachloroethylene

Trichloroethylene

Vinyl chloride

Xylenes (total)

m,p-Xylene

o-Xylene

Toluene

Naphthalene

Stvrene

n-Propylbenzene

Client Sam	ple ID: DW-1					
Lab Sample	ID: J77177-1			Dat	te Sampleo	d: 11/19/07
Matrix: DW - Drinking Water				Dat	e Receive	d: 11/20/07
Method:	EPA 524.2 REV 4.1			Per	cent Solid	s: n/a
Project:	Zipkin Property, Bald	win Place R	oad, Carı	nel, NY		
VOA List						
CAS No.	Compound	Result	MCL	RL	MDL	Units Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l
110-54-3	Hexane	ND		0.50	0.36	ug/l
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l
1634-04-4	Methyl Tert Butyl Ether	4.6		0.50	0.065	ug/l

2.0

0.50

0.50

0.50

0.50

0.50

0.50

0.50

0.50

0.50

0.50

0.50

0.50

0.50

0.50

0.50

1.0

0.50

1.0

0.50

10000 0.50

Run# 2

100

200

5.0

70

5.0

5.0

2.0

1000

0.45

0.074

0.073

0.15

0.084

0.059

0.083

0.24

0.092

0.23

0.064

0.13

0.071

0.17

0.041

0.29

0.18

0.24

0.21

0.066

0.066

Limits

74-123%

71-123%

ug/l

ND

84%

92%

Run#1

Report of Analysis

ND = Not detected	MDL - Method Detection Limit
MCL = Maximum Con	ntamination Level (40 CFR 141)
E = Indicates value exe	ceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound





	2.2
Page 1 of 2	ຸ

Client Sa Lab Sam Matrix: Method:	DW -				Date Sample Date Receive Percent Solie	ed: 11/20/07	
Project:			Baldwin Place	Road, Cari		alj • 11/ u	
Run #1 Run #2	File ID 2B39421.D	DF 1	Analyzed 12/02/07	By MFH	Prep Date n/a	Prep Batch n/a	Analytical Batch V2B1706
Run #1 Run #2	Purge Volum 5.0 ml	e					

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units Q
67-64-1	Acetone	ND		5.0	1.3	ug/l
78-93-3	2-Butanone	ND		5.0	1.2	ug/l
71-43-2	Benzene	ND	5.0	0.50	0.069	ug/l
108-86-1	Bromobenzene	ND		0.50	0.089	ug/l
74-97-5	Bromochloromethane	ND		0.50	0.31	ug/l
75-27-4	Bromodichloromethane	ND		0.50	0.091	ug/l
75-25-2	Bromoform	ND		0.50	0.18	ug/l
74-83-9	Bromomethane	ND		0.50	0.38	ug/l
104-51-8	n-Butylbenzene	ND		0.50	0.11	ug/l
135-98-8	sec-Butylbenzene	ND		0.50	0.41	ug/l
98-06-6	tert-Butylbenzene	ND		0.50	0.11	ug/l
75-15-0	Carbon disulfide	ND		0.50	0.14	ug/l
108-90-7	Chlorobenzene	ND	100	0.50	0.064	ug/l
75-00-3	Chloroethane	ND		0.50	0.24	ug/l
67-66-3	Chloroform	ND		0.50	0.068	ug/l
74-87-3	Chloromethane	ND		0.50	0.13	ug/l
95-49-8	o-Chlorotoluene	ND		0.50	0.088	ug/l
106-43-4	p-Chlorotoluene	ND		0.50	0.089	ug/l
56-23-5	Carbon tetrachloride	ND	5.0	0.50	0.21	ug/l
75-34-3	1,1-Dichloroethane	ND		0.50	0.092	ug/l
75-35-4	1,1-Dichloroethylene	ND	7.0	0.50	0.24	ug/l
563-58-6	1,1-Dichloropropene	ND		0.50	0.23	ug/l
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.20	1.0	0.42	ug/l
106-93-4	1,2-Dibromoethane	ND	0.050	0.50	0.065	ug/l
107-06-2	1,2-Dichloroethane	ND	5.0	0.50	0.072	ug/l
78-87-5	1,2-Dichloropropane	ND	5.0	0.50	0.22	ug/l
142-28-9	1,3-Dichloropropane	ND		0.50	0.051	ug/l
594-20-7	2,2-Dichloropropane	ND		0.50	0.25	ug/l
124-48-1	Dibromochloromethane	ND		0.50	0.074	ug/l
74-95-3	Dibromomethane	ND		0.50	0.18	ug/l
75-71-8	Dichlorodifluoromethane	ND		1.0	0.38	ug/l
10061-01-5	cis-1,3-Dichloropropene	ND		0.50	0.084	ug/l

ND = Not detected MDL - Method Detection Limit MCL = Maximum Contamination Level (40 CFR 141) E = Indicates value exceeds calibration range J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound



T			
Client Sample ID:	SW-1		
Lab Sample ID:	J77177-2	Date Sampled:	11/19/07
Matrix:	DW - Drinking Water	Date Received:	11/20/07
Method:	EPA 524.2 REV 4.1	Percent Solids:	n/a
Project:	Zipkin Property, Baldwin Place Road, Carmel,	, NY	

Report of Analysis

VOA List

CAS No.	Compound	Result	MCL	RL	MDL	Units	Q
541-73-1	m-Dichlorobenzene	ND		0.50	0.065	ug/l	
95-50-1	o-Dichlorobenzene	ND	600	0.50	0.32	ug/l	
106-46-7	p-Dichlorobenzene	ND	75	0.50	0.054	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	0.50	0.11	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	70	0.50	0.081	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND		0.50	0.055	ug/l	
100-41-4	Ethylbenzene	ND	700	0.50	0.15	ug/l	
87-68-3	Hexachlorobutadiene	ND		2.0	0.19	ug/l	
110-54-3	Hexane	ND		0.50	0.36	ug/l	
591-78-6	2-Hexanone	ND		2.0	1.1	ug/l	
98-82-8	Isopropylbenzene	ND		0.50	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND		0.50	0.40	ug/l	
75-09-2	Methylene chloride	ND	5.0	0.50	0.15	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.92		0.50	0.065	ug/l	
108-10-1	4-Methyl-2-pentanone	ND		2.0	0.45	ug/l	
91-20-3	Naphthalene	ND		0.50	0.074	ug/l	
103-65-1	n-Propylbenzene	ND		0.50	0.073	ug/l	
100-42-5	Styrene	ND	100	0.50	0.15	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND		0.50	0.084	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	0.50	0.059	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND		0.50	0.083	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	0.50	0.24	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND		0.50	0.092	ug/l	
96-18-4	1,2,3-Trichloropropane	ND		0.50	0.23	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	70	0.50	0.064	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND		0.50	0.13	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND		0.50	0.071	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	0.50	0.17	ug/l	
108-88-3	Toluene	ND	1000	0.50	0.041	ug/l	
79-01-6	Trichloroethylene	ND	5.0	0.50	0.29	ug/l	
75-69-4	Trichlorofluoromethane	ND		1.0	0.18	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	0.24	ug/l	
	m, p-Xylene	ND		1.0	0.21	ug/l	
95-47-6	o-Xylene	ND		0.50	0.066	ug/l	
1330-20-7	Xylenes (total)	ND	10000	0.50	0.066	ug/l	
CAS No.	Surrogate Recoveries	Run# 1	Run#	2	Limits		
2199-69-1	1,2-Dichlorobenzene-d4	85%			74-123%		
460-00-4	4-Bromofluorobenzene	93%			71-123%		
100 00 1	. 210monuor obenizene	2010			.1 12370		

ND = Not detectedMDL - Method Detection Limit MCL = Maximum Contamination Level (40 CFR 141) E = Indicates value exceeds calibration range

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Page 2 of 2







Section 3

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

• Chain of Custody

ACCUTEST.

J77177

ACCUTEST.
DW Laboratories

CHAIN OF CUSTODY

ACCUTEST.	2235 Route 130, Dayton NJ 08810	FED-EX Tracking #	Bottle Order Control #	٦
DW Laboratories	TEL. 732-329-0200 FAX: 732-329-3499/3480 www.accutest.com	Accutest Quote #	Acculest Job # J77177	1
Company Name Company Name Tim Miller Associates, M Address 10 North Street City Cold Spring, NY 10516	Project Name Zipkin Project Information		eguested Analysis Matrix Codes DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water	
Project Contact Project Contact Project Contact Project Contact E-mail E-mail Phone # Russ-24400 Sampler's Name Max-Rev Fisher Accutet Field ID / Point of Collecton SUMMA #	Project # Project # Project # Project # Fax # SUS - 2165 - 44/18 Client Purchase Order # Collection Number of preserved Bottles		SO - Soil SL - Sludge OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Soil VP - Wipe	د ع
Sample # MECH Val -1 DW-1 -2 SW-1				
				-
Turnaround Time (Business Days) Std. 15 Business Days Approved By: / Date:	Data Deliverable Information		Comments / Remarks	
	Commercial "A" FULL CLP Commercial "B" NVASP Category A NVASP Category B NJ Full Cother Commercial "A" Results Only	* email: Misher -timmill no the recid in	lerassociates.com	
Relinquing by Sampler: 1 March Men Hill 9107 1 1 Bale Time: NOO Re 11/19107 1 Date Time: Re 3 3	Sample Custody must be documented below each time samples change possession, inc wed by: VPS Relinquished by: Relinquished by: 4 Custody Seal #	Date/Time: 1/3/	Received by 2 PDD - Received by: 4 On top Cooler Temp, 0 top Cooler Temp, 0 top Cooler Temp,	

J77177: Chain of Custody Page 1 of 1



4 Deer Trail Cornwall, New York 12518 845 534 3816 [tel] 866 334 1883 [fax] sergio@groundwatergeology.com



Technical Memorandum

To:	Chris Robins, TMA
From:	Sergio Smiriglio
CC:	
Date:	April 23, 2009
Re:	Union Place Supplemental Fracture Trace

The following series of images present the Union Place property as examined using digital terrain modeling software. The model was created using 2004 orthographic imagery combined with USGS digital elevation data. The resulting model, combined with available GIS [Geologic Information System] data from New York State, can be manipulated with respect to point of view and angle and direction of illumination. Shadow patterns that are made visible using this technique can be associated with topographic features representative of the underlying bedrock geology [figure 1].

Fracture traces are shown as dashed lines on the images. The red dash/dot lines that are visible on most of the images are the "mapped" NYS faults from the Caldwell, NYS Museum series. The dashed green lines are north/south faults developed from this exercise. The yellow and red dashed lines are secondary fractures that may indicate water bearing zones. The existing wells have been plotted as close as possible to their actual location [by "eye"] and their yields are shown [only the usable wells]. Suggested "new" drilling locations are shown as red circles on figure 8. The suggested locations are restricted to the north-west portion of the property because it appears that this is the area that has the highest potential of high yield wells. Few fractures are visible elsewhere on the site due to a drumlin feature in the central southern portion and a feature that appears to be the slip face of a normal fault that creates the smooth west facing slope and the linear north-south valley through the center of the property [figure 7].

LBG believes that there is a minimum water shortfall of about 30 gpm, based on the well yields developed thus far and considering potential interference effects between some of the developed wells. However, the completed wells have not been subjected to extended drawdown testing. "Driller" yields are at best just an estimate of the potential available yield from any particular well. Generally the driller yield is higher than the final well yield after a 72 hour test because the driller yield, being a short term pumping estimate, does not take into account aquifer storage depletion. Occasionally the driller yield is less than the final pumping rate, but this does not happen often. Therefore when developing a water system for a development, such as this one, I prefer to have a minimum of 150% of the needed yield, based on the driller's yields, before considering a comprehensive pumping test program. LBG is further concerned

about the limitations that the property and its setting impose on the potential for developing additional water supplies; concerns such as existing groundwater contamination sites, limitations imposed by on-site wetlands and the poor water producing characteristics of the geology that underlies most of the property. A review of the area geology, as part of this report, essentially confirms the concerns expressed above. However, the purpose of this report is to determine if the potential for developing additional well yield exists. Therefore I looked at the property with that goal, with the understanding that the bulk of the available water has already been developed by LBG.

The additional water supply can be developed by drilling new wells at the locations indicated in figure 8, if those wells are successful. However, a review of the existing wells, as presented in the table below, strongly indicates that the existing wells may be improved to supply the additional water supply needed for the project. It is clear that LBG focused on the most likely area within the property to develop usable water supplies. Although it appears that they have fully developed the area's potential, this fracture trace analysis indicates that it may be possible to increase the available ground water yields by exploiting some small fractures that have not been tapped by existing wells. These fractures systems are parallel to fractures that have been already explored by LBG and may provide at least some additional yield.

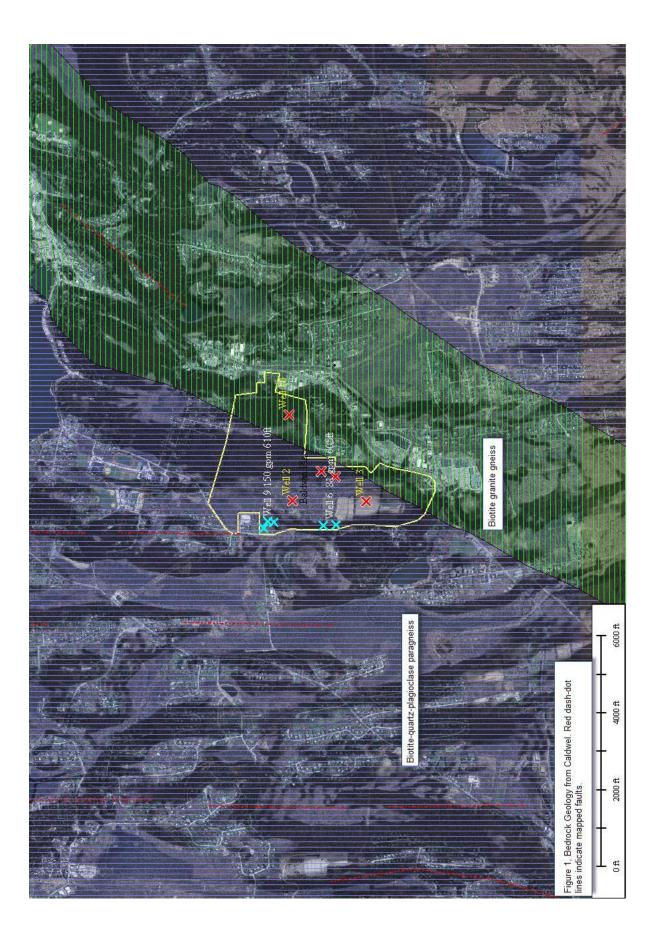
Well	Casing Length (ft)	Casing Diameter (inches)	Total Well Depth (ft)	Driller's Estimated Yield (gpm)	Approximate Static Water Level (ft bg)
1	122	6	500	200+	20
2	125	6	605	8.5	4
3	176	6	625	15	45
4	112	6	605	4	20
5	62	6	605	8	61
6	62	6	605	60+	0 (artesian)
7	62	6	405	100+	12
8	82	6	505	50	30
9	121	8	610	150+	30
10	205	6	740	5	60

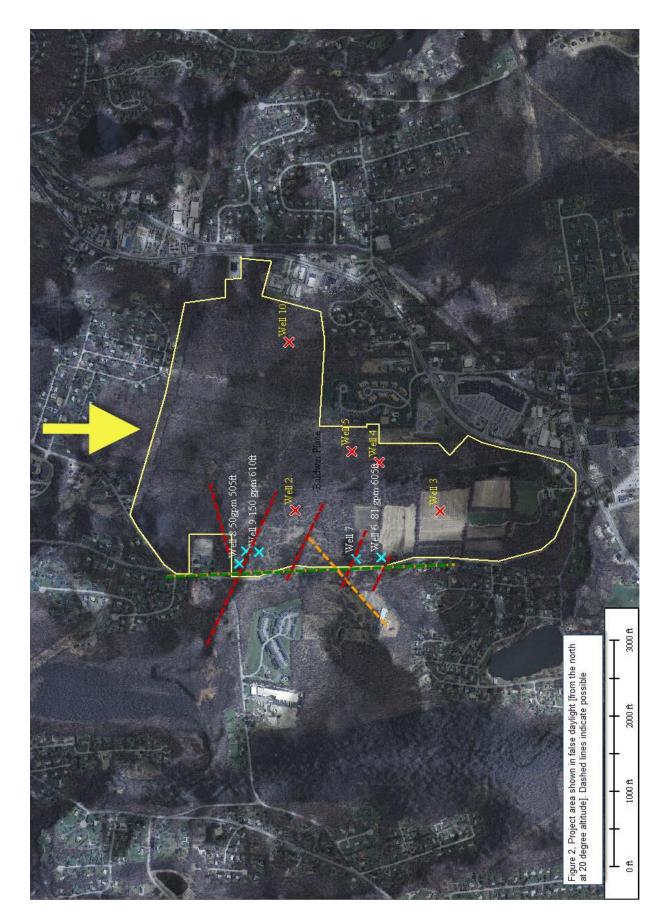
As can be seen above, the best wells are wells 1, 9, 7 and 6 [in that order]. Well 1 is reported to produce 200 gpm [based on the driller yield] but the well is cased with 6 inch casing which limits the size of the pump that can be used in this well. A four inch pump is limited to a maximum of 100 gpm. Similarly well 7 is also a 6-inch well. Through experience we have found that by increasing the size of the well [re-drilling the well as an eight inch well] produces an increase in yield as much as 20 percent. Although this is not always true, it is true fairly often and is probably due to the increased "development" from the drilling of a larger well. (It should be noted that LBG re-drilled well 9 to eight inches and actually found a reduction in yield. Although

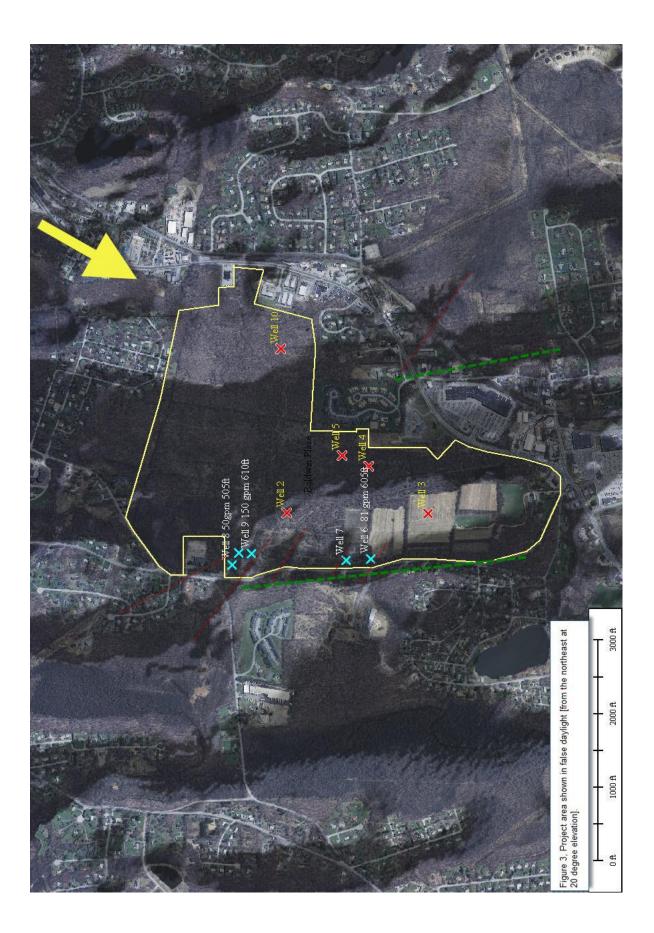
this result is unusual, it should be expected occasionally). Additionally, the "good" wells are limited to a depth of 500 feet for well 1; 605 feet for well 6; 405 feet for well 7; 505 feet for well 8; and 610 feet well 9. Although these wells may appear to be deep, additional water may be found deeper in this formation. It is not uncommon that moderate yielding fractures are found as deep as 1100 feet. By looking for additional water from the existing wells [or wells drilled next to the existing wells] the number of wells needed for the project can be reduced with a reduction of the associated costs for pumping and distribution.

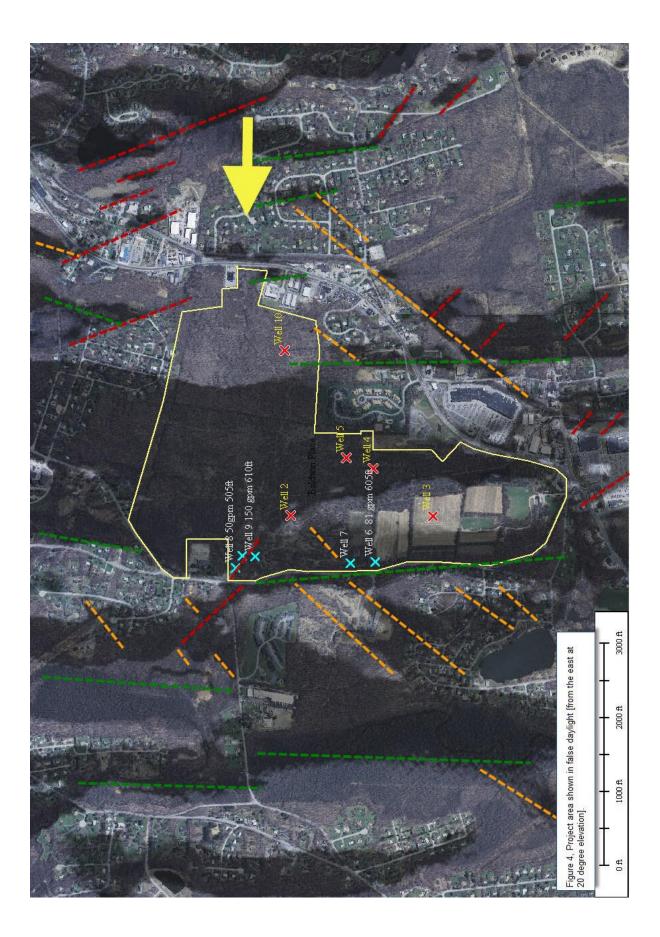
One important set of data, that would have been very helpful for this analysis, is the depth and yield of the fractures that were encountered during the drilling process. The Beal well logs only show the total well depth, casing length and total yield. By plotting the depth of the high yielding fractures at the surface locations for the wells the three dimensional orientation of the fractures could, possibly, be plotted, which in turn could help predict the best places to drill new wells.

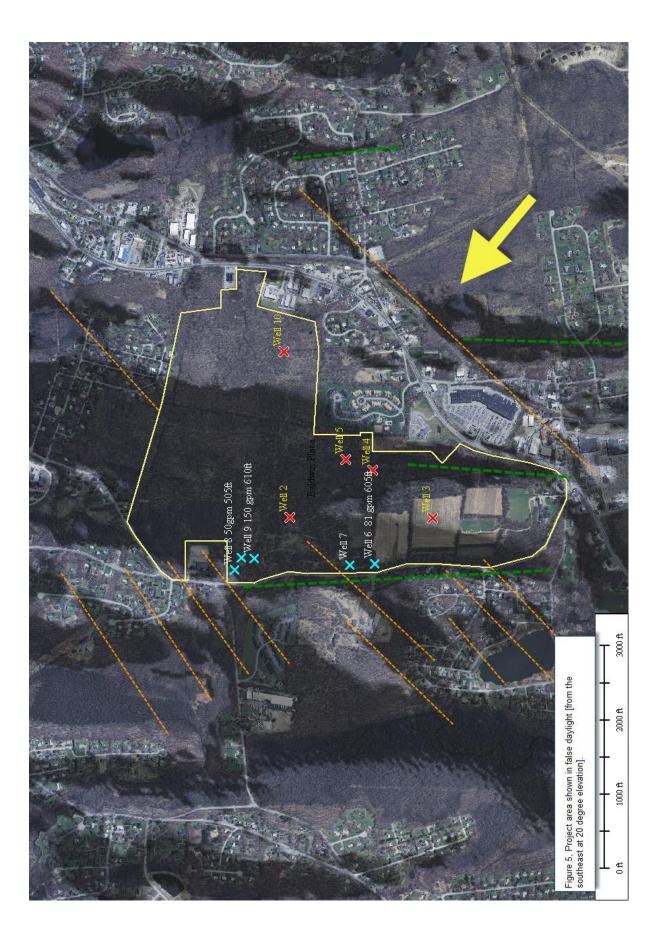
If the option of drilling wells at new locations is selected, the locations shown on figure 8 should produce wells with moderate yields that will interfere to some degree with the existing wells. However the new wells should provide some additional yield that may meet the needed shortfall. We recommend that before any additional drilling is completed, however, that one of the wells be tested for at least 72 hours. The reason for this is that wells in this area have been known to "dewater" and reduce yield. It would be good to know that these wells have sustainable yields.

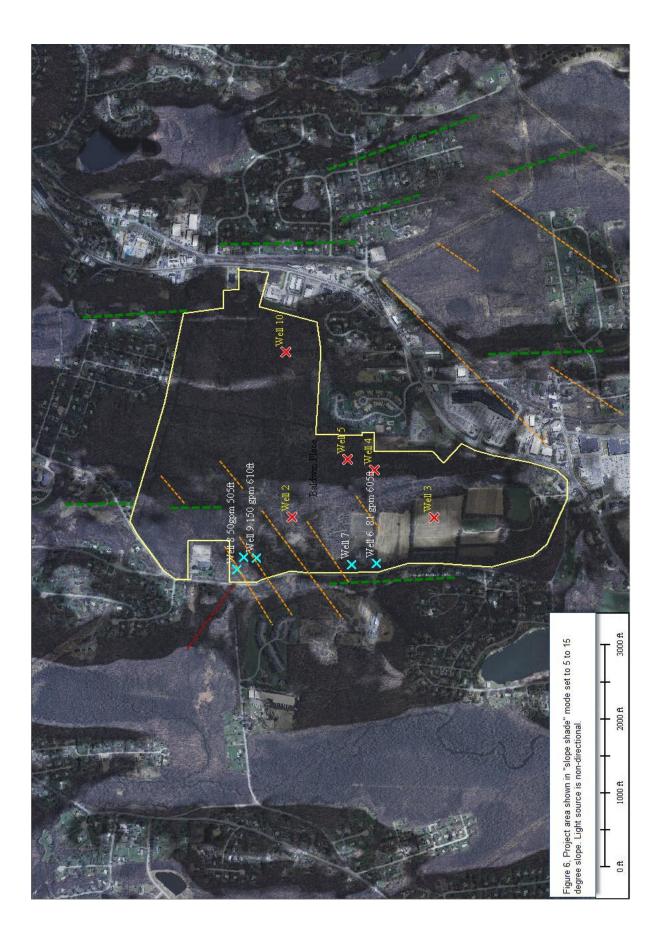


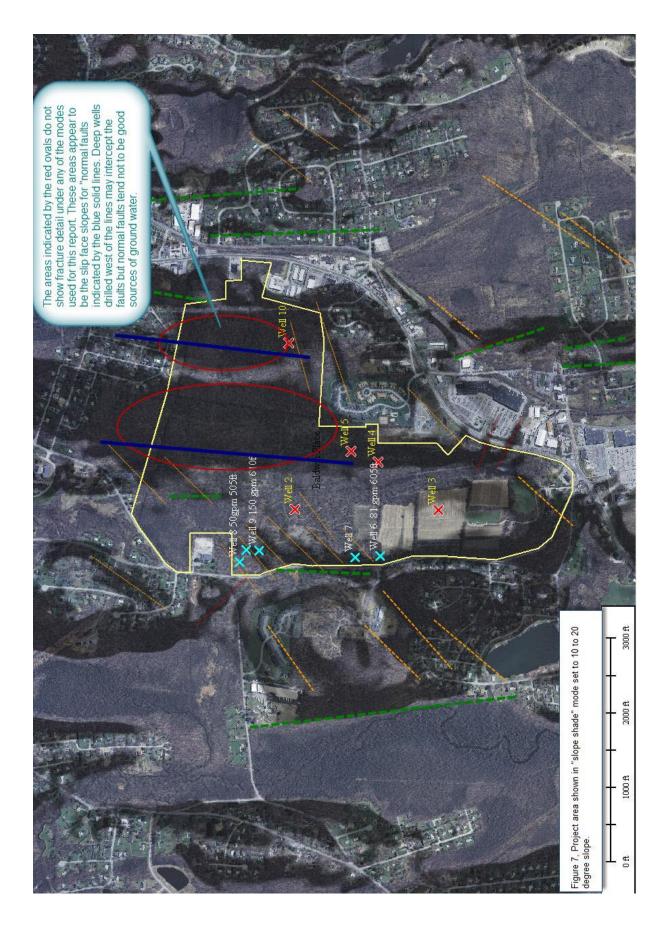


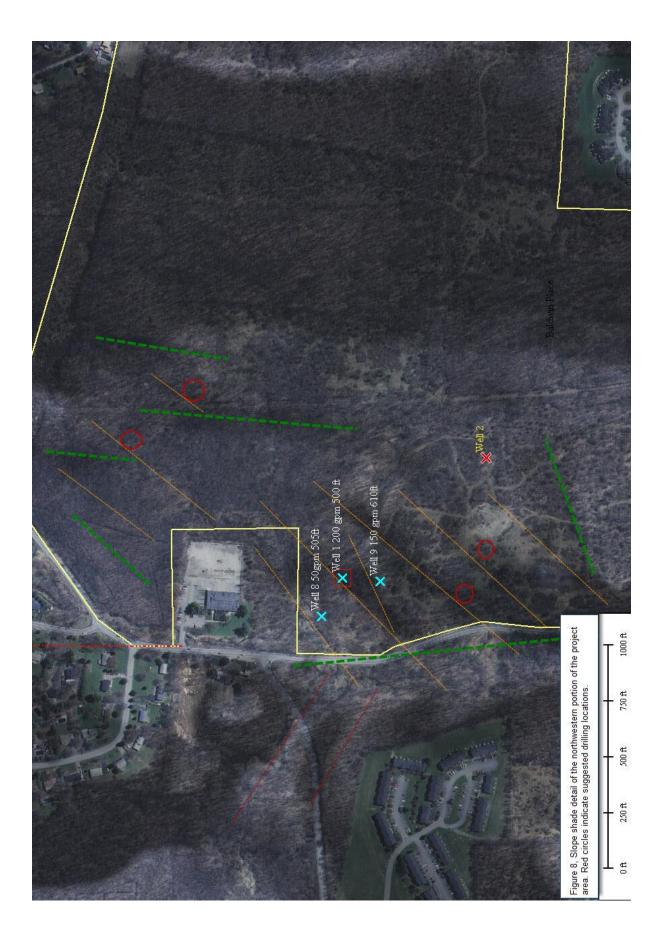


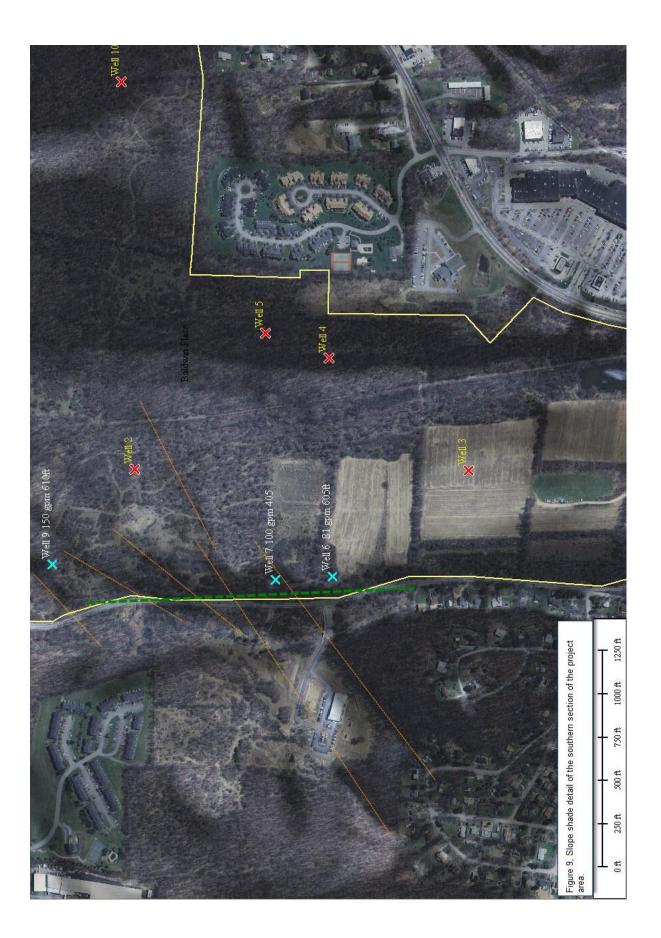












Conclusions:

1. The existing wells have been drilled in the most suitable portion of the property.

2. The existing wells could, possibly, be improved to meet the additional water demand for the project.

3. Suggested drilling locations have been selected that may tap parallel fractures to the fractures that are currently being tapped.

4. At least one of the existing wells should be tested for an extended period at its maximum rate to determine if the well yield is sustainable.