APPENDIX F Well and Right-of-Way Permits

ARIZONA DEPARTMENT OF WATER RESOURCES 500 North 3rd Street Phoenix, Arizona 85004

WELL DRILLER REPORT

This report should be prepared by the <u>driller</u> in all detail and filed with the Department within 30 days following completion of the well

1	THF DRILLING, INC. 2420 SOUTH 16TH AVENUE PHOENIX, AZ 85007-4403	DECEDVE JUL 1 7 2000							
2	Owner Name Kaching Village LL Address 134 N. 413 pl. Phoenex City State	RECORDS MGT							
3.	Location: <u>Z (N/S</u> <u>S</u> <u>E</u> /W <u>27</u> ¼ Township Range Section	<u> </u>							
4.	Well Registration No. 55- <u>580860</u> (Required)								
5.	Permit No (If Issu	ed)							
		,							
DESCRIPTION OF WELL									
6	Total depth of hole & O ft.								
	Type of casingPuc								
	Diameter and length of casing <u>4</u> in from <u>3</u> to	o,in fromto							
	Method of sealing at reduction points								
	Perforated fromto, fromto								
	Size of cutsNumber of c								
	If screen was installed Length 30 ft. Diam								
	Method of construction Darce	(
	(drilled, dug, driven, bored, jetted, etc)								
1 4.	Date started <u>6 8 00</u>								
	Month Day Year								
15.	Date completed <u>6</u> 8 00								
16	Month Day Year								
	Depth to water 37 ft. (If flow								
17	Describe point from which depth measurements were	made, and give sea_level elevation if availabl							
18.	If flowing well, state method of flow regulation								
19.	Remarks	DO NOT WRITE IN THIS SPACE							
		OFFICE RECORD							
	A BI PERING -	Registration No. 55- 580860							
	ANSWERED JUL 2 5 2000	File No. A(2-3) 23 DDD ReceivedBy							
DWR	R-55-55-7/95 (Rev)	EnteredBy							
	-	i i i i i i i i i i i i i i i i i i i							

LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds If water is artesian, indicate depth at which encountered, and depth to which it rose in well

From (feet)	To (feet)	Description of formation material
0	2	BACKFILL
ల	zo	5 75
20	<u> 40</u>	SILTTS W/ costoles
40	60	SILTS W/ costoles SILTS W/ popular of such

I hereby certify that this well was drilled by me (or under by supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name THF DRILLING, INC.

2420 SOUTH 16TH AVENUE

Street

PHOENIX, AZ 85007-4403 City State Zıp Rhone No <u>°o</u>0 9 6 12 $\overline{}$ en Signature of Driller Date

. · GROUNDWAT MAIL TO	EPARTMENT OF WATER REA TER MANAGEMENT SUPPOR' : P.O. BOX 458, PHOENIX, ARIZONA 85003 AATION: CALL MONICA ORTIZ AT (602)	TSECTION GEIVE
NOTICE OF INTENTI	ON TO DRILL MONITOR/PIE	2000 /
PLEASE <u>READ</u> GENERAL INSTRUCTIONS A	AND CONDITIONS ON REVERSE SIDE OF	THIS FORM BEFORE COMPLETING.
1. Well/land Location: <u>2 (N/S 3 (È/W 23</u> Township Range Section	6. Owner of the Land of Wellsite: <u>ACLINE VIII GELL</u> C Name 5134 ND. AKTOCCE	10. Will this proposed well be associated with a permit: Yes No If yes, Permit No
$\frac{SE}{10 \text{ Acre}} \frac{40 \text{ Acre}}{40 \text{ Acre}} \frac{SE}{160 \text{ Acre}} \frac{40 \text{ Acre}}{160 \text{ Acre}}$	Mailing Aldress hophix AZ 85318 City State Zip	11. Construction will start:O5/52000MonthDayYear
2. Position location of the well on the land:	Telephone No. 602) 3873247_	12. Period well will remain in use:
Latitude <u>33</u> o <u>0 '46 "</u> Longitude <u>112 o 29 '46 "</u> 3. County: MARICOPA	7. Consulting firm: BROWN & CALDWELL Name KEVIN HEBERT	10 Months/Years 13. For monitoring wells, is pump equipment to be installed?
4. Owner of the well: Kachina Village LLC Name 5134 No. 4150 Place	Contact Person Telephone No. (602) 222 - 4499 8. Purpose of well drilled pursuant to this notice: Monitor	Yes No (a) If yes, design pump capacity:
Mailing Address Wige NiX AZ 850 City State Zip Telephone No. (602), 38/-13242	Piezometer 9. If for deepening or modifying, list well registration number: 55	(b) What use will be made of the water:
5. Lessee of the land of wellsite: <u>Not</u> <u>Applicable</u> Name	File No. A (2-3) 23 DD File $4-24-00$ By 443	THF DRILLING, INC. Name 2420 S 16TH AVENUE Mailing Address
Mailing Address City State Zip	Input By DUPLICATE AMA/INA AMA/I	PHOENIX AZ 85007 City State Zip (602) 254-6586 Telephone No. 611
Telephone No	W-XXX	DWR License Number <u>A</u> -04 ROC License Category
15. Proposed method of abandonment of well after	project is completed: <u>KEMOVE</u> (LAS1)	SG AND GROUT
		, pursuant to R12-15-816.
16. Is this well to monitor existing contamination?	Potential contamination: P	ease explain: SITE IS LOCATED
NEAR WQARE AREA 17. If construction plans have been coordinated with A	rizona Department of Environmental Quality, who is th	e agency contact?N/A
18. If construction plans have been coordinated with A	Arizona Department of Water Resources, who is the age	ncy contact? <u>N/A</u>

DWR-55-44a (Rev 1/99)

VARIANCE GRANTED

SPECIAL REQUIREMENTS

b)	Borehole diameters: 7 10"	inches from _	0	feet to	6()	feet
		inches from _		feet to	·		fcct
c)	Casing materials (PVC, steel, hollow-stem auger, etc.) material ρ_{VC} sched 40 diameter 4	+	inches from _	0	feet to	58	
	material diameter		_inches from _		feet to		_ feet
d)	Method of sealing at reductionsN/A	, <u>, , ,</u>					
	/ RENTONITE SLUR	RY					
e)	Annular seal materials (cement, grout, etc.,); method of	placement (trem	ied, circulated	1):		<i>م</i> ر	
	material <u>CEMENT/ GROUT</u> method	TREMIED	from	0		الكروب	_ feet
	material BENTONITE FELLET SEAL method	TREMIED	from	21	feet to _	23	_ feet
•							
I)	Filter packs (state material): material <u>10-20 (DLORADO SILICA SAND</u> fr	om 23		feet to	(a^{\dagger})		feet.
	material fr	om <u>040</u>		_ feet to	_ΨΟ		_ feet
		UIII		_ 1001 10			1000
g)	Perforations or screen specifications:				_		
8/	Type 4-INCH PVC, 0.020-INCH SLOT from	28		feet to	58		_ feet.
	Typefrom	********		_feet to			feet.
			-				
h)	Method of well development (bail, air lift, surge)	BAIL AN	<u>JD Pum</u>	ρ			<u> </u>
i)	Will surface or conductor casing extend above grade?:	Yes	NoX				
	ude detailed construction diagram showing expected						

James E. Rogers, N	Mage JEE	4/10/200
Typed or Printed Name and Title	Signature [] and Owner [] Lessee of Wellsite, Title	Ďate

Necessary Steps and Instructions to Obtain Drilling Authority (Monitor/Piezometer Wells)

- 1. Anzona Revised Statues ("A.R.S.") § 45-596 provides that prior to drilling a monitor or piezometer well, a Notice of Intention to Drill must be filed with the Department. To assist you in understanding the substantive requirements for this application, copies of A.R.S. § 45-596 and Arizona Administrative Code ("A.A.C.") R12-15-810 are available thru the department bookstore.
- 2. Information to complete items 1, 2, and 3 may be available from your County Tax Receipt or your County Assessors Office.
- 3. Information to complete item 9 is available from your copy of the original Notice of Intent to Drill or our Records Division at (602)417-2405
- 4. Information to complete items 11, 14 and 15 may be available from your driller.
- If an individual other than the land owner or lessee signs this notice, an original notarized letter of authorization from the land owner/lessee, statung that 5 the individual has permission to sign this specific Notice on his or her behalf, must accompany the Notice of Intention to Drill a Monitor/Piezometer Well
- Please complete two original notices with original signatures and include a \$10.00 check or money order for the processing fee. in accordance with A.R.S. 6 § 45-113. Submit them to: P.O. Box 458, Phoenix, Arizona 85001-0458.

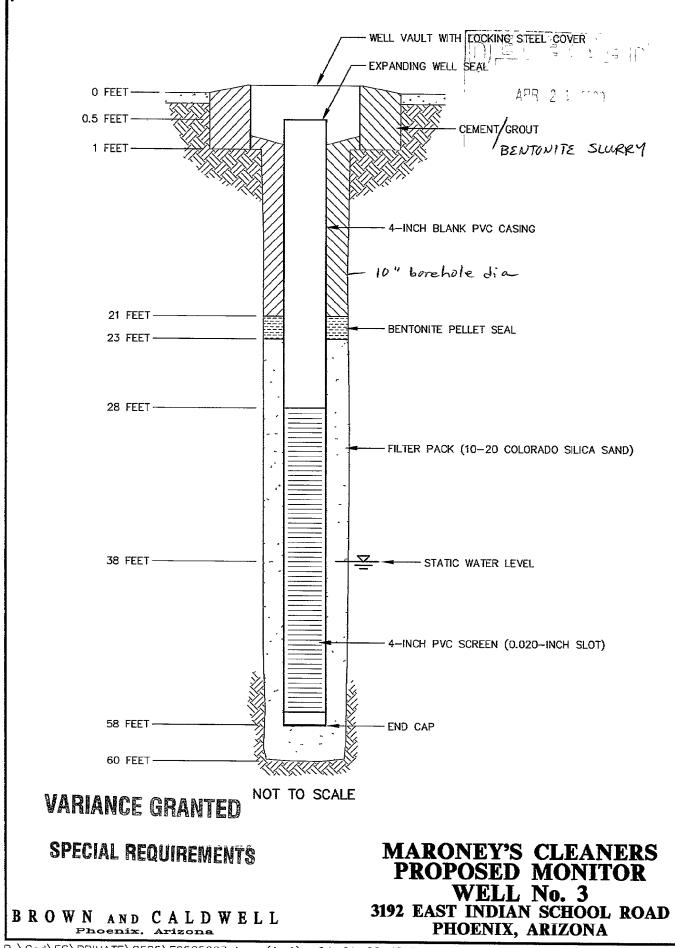
TIME FRAME FOR REVIEW OF YOUR APPLICATION

Within 15 days after receipt of your Notice of Intention, the Arizona Department of Water Resources ("Department") will determine whether your application should be granted or denied, unless this time is extended for lack of a complete application. If your application is incomplete, the Department will notify you in writing and will specify what information is necessary to make the application complete. Until the missing information is received, the time frame for review of your application will be suspended. Your application will not be complete until all of the requested information is received. If you do not supply the missing information within sixty (60) days, the Department may deem your application withdrawn and close the file.

At the end of its review, the Department will send you written notice either granting or denying your application for drilling authority. If your application is approved. the Drill Card will be mailed directly to the drilling company. If denied, the Department's notice will state justification for the denial and an explanation of your right to appeal.

Construction and Follow-up Requirements

- 1. Construction and abandonment standards for all wells must be in accordance with Department Rules.
- 2. A.A.C. Rule R12-15-811(H)(2) requires a monitor well to be identified as such on the vault cover or at the top of the steel casing.
- Identification information must include the well registration number.
- 3. Pursuant to A.R.S. § 45-596(E), drilling, deepening or modification of the well must be completed within one year after the date of the Notice of Intent
- 4. A Well Driller Report is required within thirty (30) days of completion of drilling. Within thirty (30) days after installation of pumping equipment in monitor wells, a Completion Report must be filed with the Department.
- 5. Pump equipment may not be installed on a well drilled for piezometer purposes. If a monitor well is pumped, pumping is limited to the maximum amount required for monitor purposes, but in no case may exceed 35 gallons per minute and an annual total volume of 10 acre feet
- 6. Special construction standards required pursuant to A.A.C. Rule R12-15-821:



P \Cad\ES\PRIVATE\8585\F8585003 dwg (1=1) 04-21-00 JCollier

Phoenix Arizons 85012 1931

Toi (602) 222- 444 1 Fs× (602) 222- 4466

May 2, 2000



Environmental Engineering & Consulting

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Ms. Kay McNeely Hydrologist II Arizona Department of Water Resources P.O. Box 458 Phoenix, Arizona 85001-0458

15/18585.002

Subject: Notice of Intention to Drill Monitor/Piezometer Wells

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Dear Ms. McNeely:

Per our telephone conversation today, I authorize the Arizona Department of Water Resources (ADWR) to make the following revisions to the Notice of Intention forms to drill monitor/piezometer wells at the Kachina Village property. The revisions are as follows:

- Change the borehole diameter to 10-inches
- Note that the portion of the annular seal materials that will contain cement will consist of a cement/bentonite slurry.

If you require any additional information, please call me at (602) 222-4499.

Very Truly Yours,

BROWN AND CALDWELL

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Kevin D. Hebert, R.G. Principal Geologist

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THF DRILLING, INC.

2420 South 16th Avenue Phoenix, Arizona 85007 Phone (602) 254-6586 Fax: (602) 254-6648

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April 24, 2000

Arizona Department of Water Resources Hydrology Division Atten: Jim Johnson 500 North 3rd Street Phoenix, Arizona 85004

Subject Request for Variance

Dear Jim.

On behalf of Brown & Caldwell, Inc. THF Drilling, Inc. requests a vanance in the construction of three (3) groundwater monitoring wells to a depth of 60', at Maroneys Cleaners Site located at Township 2 North, Range 3 East, of the SE ¼, SE ¼, SE ¼ of Section 23 in Phoenix, Arizona.

- 1. The groundwater monitoring wells will be constructed with SCH. 40 PVC casing in the upper 20' of the well, in lieu of the required 20' of steel casing.
- 2. The groundwater monitoring well will be completed in flush-mount, traffic-rated, watertight vaults, in lieu of the required above grade type completion

Thank you for your attention to this request for variance. If you have any questions please call us at (602) 254-6586 / or Kevin Hebert at (602) 222-4499.

Sincerely, THF Drilling, Inc.

Ray Quintero Operations Manager

ARIZONA DEPARTMENT OF WATER RESOURCES

Hydrology Division 500 North Third Street, Phoenix, Arizona 85004 Telephone (602) 417-2448 Fax (602) 417-2425



JANE DEE HULL Governor

RITA P. PEARSON Director

RAY QUINTERO

May 3, 2000

THF DRILLING, INC. 2420 SOUTH 16TH AVENUE PHOENIX, AZ 85007

Re: Variance for Three Monitor Wells Well Registry No. 55-580860 through -580862 T2N, R3E, Section 23DDD

Dear Mr Quintero:

The Arizona Department of Water Resources received your request on April 27, 2000, for a variance in the construction of three monitor wells to be located in Maricopa County for Kachina Village LLC. The purpose of these wells is to monitor potential groundwater contamination.

ADWR approves the request for the following variance:

• Thermoplastic inner casing (riser) with a watertight cap may be used in lieu of steel (R-12-15-811.B.1).

The following special requirements are conditions for this variance (R-12-15-821):

- The PVC inner casings (risers) shall comply with ASTM Standard Guide D5092, Section 6.5.
- The wells shall be constructed per the "Variance Granted" Notice of Intention to Drill.
- The wells shall be abandoned (decommissioned) per A.A.C. R-12-15-816.

Any questions should be directed to Kay McNeely at 602-417-2400, x7258.

Sincerely,

Frank Corkhill, Supervisor, Technical Support Section

cc: Owner File

ARIZONA DEPARTMENT OF WATER RESOURCES

Water Quality Assurance Program 500 North Third Street, Phoenix, Arizona 85004 Telephone 602 417-2473 Fax 602 417-2426



JANE DEE HULL Governor

RITA P. PEARSON Director

April 28, 2000

Kachina Village LLC Attn: Mr. James E. Rogers 5134 North 41st Place Phoenix, Arizona 85018

RE: Well Registration No(s). 55-580860, 55-580861, 55-580862

Dear Mr. Rogers:

The Department of Water Resources recently received your Notices of Intention to Drill three (3) monitor wells located in Township 2 North, Range 3 East, Section 23. This location has been determined to be in proximity to two contaminated groundwater areas known as the East Central Phoenix -38^{th} & Indian School and 40^{th} & Indian School Water Quality Assurance Revolving Fund (WQARF) remedial sites; see attached map.

Please be advised that according to R12-15-851, you are required to notify the Department at least two (2) business days in advance of commencement of well drilling activities for the above referenced wells. You may submit this required notice to the Department by either letter or facsimile, and the Department must receive it at least two (2) business days prior to drilling.

Mailing Address: Water Quality Assurance Program Arizona Department of Water Resources 500 N. 3rd Street Phoenix, AZ 85004

Facsimile Number: (602) 417-2426

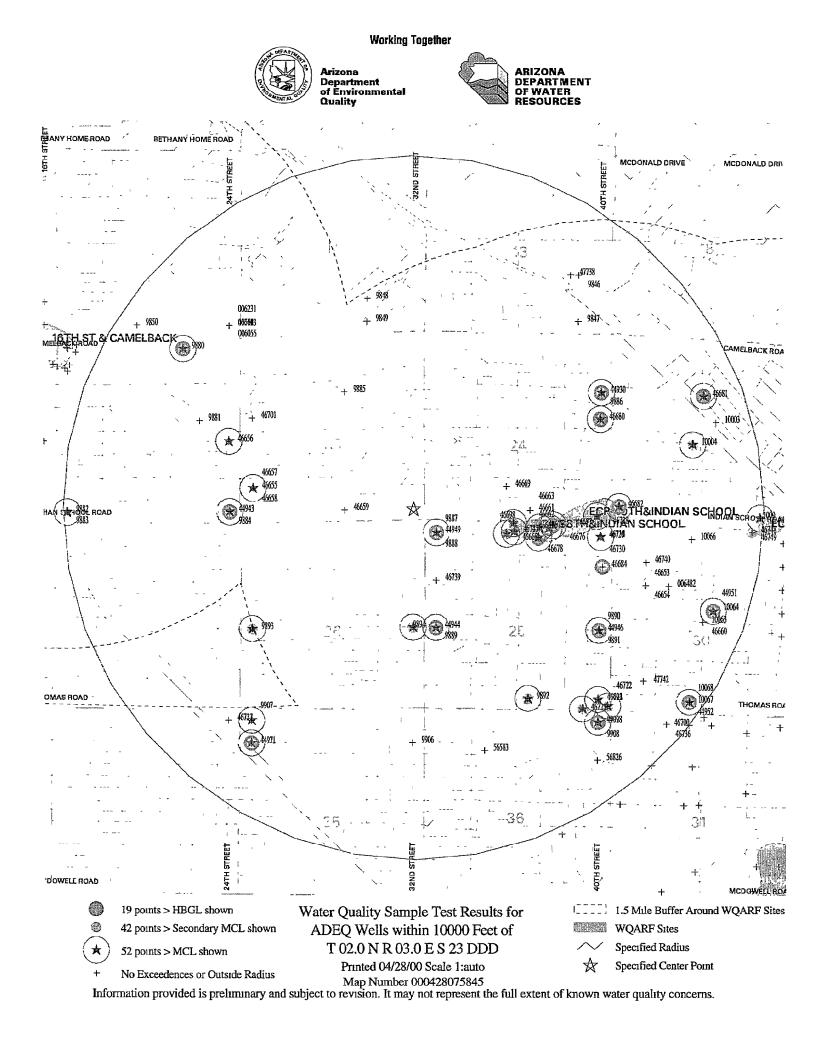
If you have any questions, please contact the WQARF Section at (602) 417-2473.

Sincerely,

unna Ker

Shannon L. Reif Water Quality Section

attachments: as stated



ARIZONA DEPARTMENT OF WATER RESOURCES

500 North 3rd Street, Phoenix, Arizona 85004 Telephone (602) 417-2470 Fax (602) 417-2422

May 05, 2000



JANE DEE HULL Govenor RITA P. PEARSON Director

KACHINA VILLAGE LLC 5134 NO 41ST PLACE PHOENIX, AZ 85018

Registration No. 55-580860 File No. A(2-3) 23 DDD

Dear Well Owner

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well. This is returned to you as evidence of compliance with A.R S. §45-596 A drilling card has been mailed to your designated driller. Prior to drilling he must have it in his possession.

Since this well is being drilled as a Monitor well, or for Cathodic Protection, Grounding, Geotechnical or Piezometer purposes, our standard driller report form is also being furnished to the driller. He is required to complete it and return it to the Department within 30 days after the completion of the well. A Completion Report form is being furnished for monitor wells where pump installation is authorized. This must be completed within thirty days of installation as required by A.R.S. §45-600.

A Change of Well Information form is enclosed for your future use. If you deem it necessary to change the location of the proposed well, please notify the Department on the enclosed form. A properly amended Drilling Card will then be issued and must be in possession of the driller before drilling begins. During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816 F.

Per A.R S. §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate.

Sincerely,

Toni Bergeman

Toni Bergeman Water Resource Technician Groundwater Management Support Section

Enclosures

- GROUNDWAT	EPARTMENT OF WATER RES FER MANAGEMENT SUPPOR D: P.O. BOX 458, PHOENIX, ARIZONA 8500 MATION: CALL MONICA ORTIZ AT (602)	
NOTICE OF INTENT	ION TO DRILL MONITOR/PIE	
PLEASE READ GENERAL INSTRUCTIONS	AND CONDITIONS ON REVERSE SIDE OF	THIS FORM BEFORE COMPLETING
 Well/land Location: <u>2 (N/S 3 (E/W 23)</u> Township Range Section <u>SE 4 SE 4 SE 4</u> 10 Acre 40 Acre 160 Acre Position location of the well on the land: Latitude <u>33 0 0 ' 46 "</u> Longitude <u>112 0 29 ' 46 "</u> County: <u>MARICOPA</u> Owner of the well: 	6. Owner of the Land of Wellsite: KGChing WHAPPLL Name 513 24 ND 2415tp (Kack Mailing Aldress, N.X., AZ 85078 City State Zip Telephone No. (602) 381-13472 7. Consulting firm: BROWN & CALDWELL Name KEVIN HEBERT Contact Person Telephone No. (602) 222-4499 8. Purpose of well drilled pursuant to this notice: Monitor V Piezometer 9. If for deepening or modifying, list well registration number:	10. Will this proposed well be associated with a permit: Yes No
Telephone No (602) 381-1347 5. Lessee of the land of wellsite:	FOR DEPARTMENT USE ONLY	14. Drilling Firm: THF DRILLING, INC Name
Name Mailing Address City State Telephone No	File No By Filed By Input By DUPLICATE Mailed Mailed By Registration 55 AMA/INA W/S S/B	2420 <u>S</u> (OTH AVENUE Mailing Address <u>PHOENIX</u> <u>AZ</u> <u>85007</u> City <u>(602)</u> <u>254-6586</u> Telephone No. <u>6//</u> DWR License Number <u>A-04</u>
15. Proposed method of abandonment of well after	r project is completed: <u><u>REMOVE</u> CAS</u>	NG AND GROUT
16. Is this well to monitor existing contami	LEONARD J. SIMMS LYNN SIMMS 17600 N 64TH DR 602-938-5276 GLENDALE, AZ 85308	7150 Date <u>4-21-00</u> 91-101/1221 01
	Orderof Milmin Department	Dato 4-21-00 B1-101/1221 01 1 Water Kloner \$ 20.0
18. If construction plans have been coordinat	Arizona Bank Heacquarters Regional Banking Center 120 N Stone Avenue Tucson, AZ 85701	CUSTOMER
DWR-55-44a (Rev 1/99)	۰	Alfred tom

Kachune	Crucing	CLA ROUTING SHEET	
	REGISTRATION N° 55-580860-63 Date Received <u>4-34-00</u> Date Returned to GMSS	CADASTRAL LOCATION $\underline{A(2-3)}_{23}_{23}_{23}_{23}_{23}_{23}_{23}_{23$	
	Variance Letter ReceivedYes_Well Diagram receivedYes_		
	TYPE OF WELL:		
	Monitor/Piezometer3 Domestic Geotechnical	Other NOI to Abandon	-
	buffer zone of the	NALYST COMMENTS: r, sells boated in the Fast Central Phoenier WOA n School and Dry Jindian S	ILF Schube)
	Site Map attached – Referred to Hydrologi Subbasin map attached – returned to GMS	s DECEIVED	
	WATER OUALITY APPROVAL: Granted Not granted Letter issued	APR 27 2000 CONTER QUALITY SECTION	
	Signature: Mannon & - Rey	Date: 4-28-00	
	HYDROLOGY DIVISION - WQ	ARF HYDROLOGIST COMMENTS:	
	HYDROLOGY DVISION APPRO		
	Granted Not Granted Letter Issued	Not Required Granted Not Granted Letter issued	
	Signature: Kay Male	Date: <u>5-2-00</u>	
		CERCLARTNG	;

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ARIZONA DEPARTMENT OF WATER RESOURCES GROUNDWATER MANAGEMENT SUPPORT SECTION 500 North Third Street Phoenix, Arizona 85004	
VARIANCE GRANTED	
THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS	
WELL REGISTRATION NO: 55-580860	
AUTHORIZED DRILLER: THF DRILLING, INC. LICENSE	E NO: 611
NOTICE OF INTENTION TO DRILL A MONITOR WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:	
WELL OWNER: KACHINA VILLAGE LLC 5134 NO 41ST PLACE PHOENIX, AZ 85018	
The well(s) is/are to be located in the:	
SE ¼ of the SE ¼ of the SE ¼ Section 23 Township 2 NORTH Range 3 EAST	
No. of wells in this project: 1	
THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 23RD DAY OF APRIL, 2001	
GROUNDWATER MANAGEMENT SUPPORT	THE STRAND
THE DRILLER MUST FILE A LOG OF THE WELL WITHIN 30 DAYS OF COMPLETION OF DRILLING	



City of Phoenix

Planning And Development Department

RIGHT-OF-WAY PERMIT

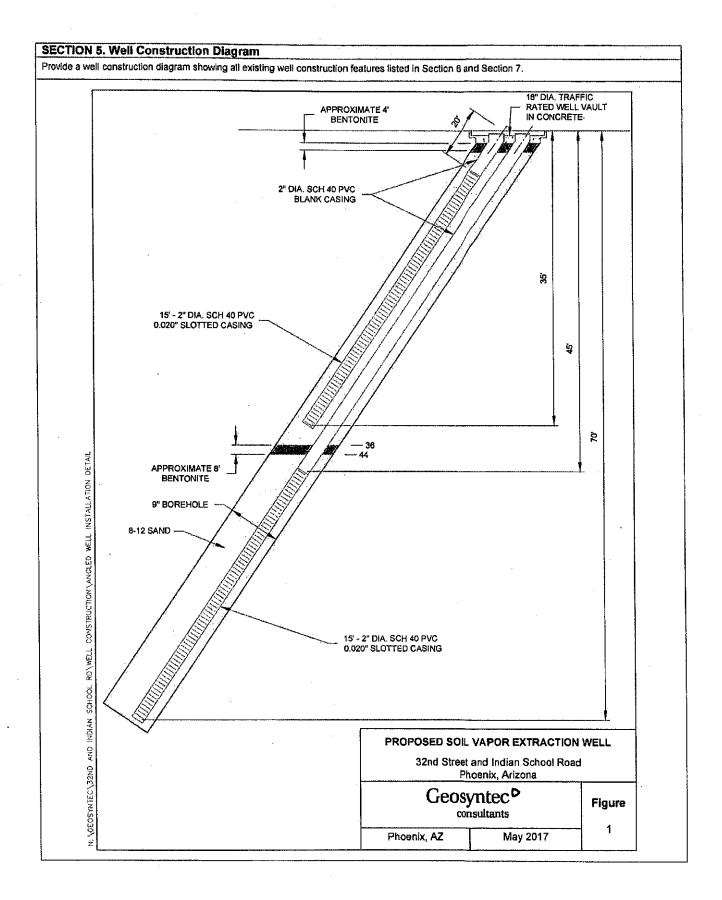
t to dig, call Blue Stake 602-263-110 Expires 19-MAR-2017 Zoning Suite
Zoning
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Suite
ertificate of COFC
ccupancy Type:
Itact Phone
Exp 02-OCT-15
Phone 623-935-0124
Entered By JCH

with the City Traffic Barricade Manual.

Groundwater F P.O. Box 3602	rtment of Water Resourc Permitting and Wells Section 0 Phoenix, Arizona 85067 0 • (602) 771-8690 . gov •	nn	Notice of Intent to Drill, Deepen, or Modify a Monitor / Piezometer / Environmental We												
 Review instructions prior to c You <u>must</u> include with your N 	ompleting form in black or blue in lotice:	nk.	AMA / INA		B 58		FILE N	UMBER							
 \$150 check or money profe 	t for the filing fee		RECEIVED	DATE	WS					_					
Section 6 and Section 7.	, labeling all specifications listed	In	ISSUED		REMEDIAL ACTION			REGISTRATIC)N NU	MBER					
	45-596 and A.A.C. R12-15-104.						L	·····							
SECTION 1, REGISTRY II	FORMATION	St. St.	and the second	ş.		5	01 In	ing and a							
To determine the location of well, pleas (http://www.earthpoint.us/Townships.es		s://gisweb	exvipter.gov/M	/ellRealstry	Default.aspx) and	/or G	oogle Ear	lh	<u> </u>	<u></u>					
Well Type	Proposed Action		Location	l of We						········					
CHECK ONE	CHECK ONE				RESS (IF ANY)		·		<u> </u>	-					
	I Drill New Well		3192 E Indian School Rd, Phoenix, AZ 85016 TOWNSHIRWS) RANGE (EAW) SECTION 160 ACRE 40 ACRE 10 ACRE												
Piezometer	🔲 Deepen		TOWNSHIP(N/S	40 ACRE	RE 10 ACRE										
🔲 Vadose Zone	Modify		2.0 N	3.0	E 23	SE	14	SE 1/4	SE 1						
Air Sparging			COUNTY AS	SESSOR	S PARCEL ID NU	MBEF	2	1 /4	L	1/4					
Soil Vapor Extraction	WELL REGISTRATION NUMBER (if Deepening or Modifying)		BOOK	163	MAP	1		PARCEL	020	ne ar					
Other (please specify):	55 -		COUNTY W			·									
SVE and Monitor			COUNTY WHERE WELL IS LOCATED MARICOPA												
SECTION 2. OWNER INFO	DRMATION				1.										
Land Owner			Well Ow	ner (cher	k lbis hoy if Land	Owne	r and Miel		F						
FULL NAME OF COMPANY, ORGANIZ	ATION, OR INDIVIDUAL		Well Owner (check this box if Land Owner and Well Owner are same)												
KV PARTNERS LLC	······		Arizona Department of Environmental Quality												
5812 Darlington Rd															
CITY / STATE / ZIP CODE			1110 W Washington St, 4415B-1												
Pittsburgh, PA 15217			Phoenix, AZ 85007												
CONTACT PERSON NAME AND TITLI		_	CONTACT P												
c/o Michael Wilson, Wilson		•	Mel Bunkers, Project Manager												
TELEPHONE NUMBER	FAX		TELEPHON			FA	x								
(480) 874-2600	(480) 874-2601		(60	2) 771-4	4556										
SECTION 3. DRILLING AU	ITHORIZATION					ä.,	1								
Drilling Firm			Consulta		licable)										
NAME Cascade Drilling, LP			CONSULTIN Geosynte		lltants, Inc.										
DWR LICENSE NUMBER 226	ROC LICENSE CATEGORY A-4		CONTACT P	ERSON N	ME										
	CATEGORY A-4		Chad Bird												
NUMBER (623) 935-0124	FAX		TELEPHONE NUMBER	858	-716-2908	FA	× 858	8-674-6586	3						
ADDRESS gzekoff@cascade-	env.com		EMAIL	chird@r	jeosyntec.co										
			AODRESS		,										
SECTION 4. Questions		1 32						$-2e^{2\pi i t} = -12$		2 A.					
		Yes		kplana ti											
 Are all annular spaces between t the placement of grout at least 2 	inches?	\square		 2-inch annular spaces are special standards required for wells located in and near groundwater contamination sites (such as CERCLA, WQARF, DOD, LUST). 											
Is the screened or perforated inte feet in length?				100-foot maximum screen intervals are a special standard for wells located in and near groundwater contamination sites (such as CERCLA, WOARF, DOD, LUST).											
 Are you requesting a variance to of steel casing in the surface sea 	17	\boxtimes	The wells must be constructed in a vault. Pursuant to A.A.C. R12-15-801 (27) a "vault" is defined as a tamper-resistant watertight structure used to complete a well below the land surface.												
 Is there another well name or ide with this well? (e.g., MW-1, PZ2. 	ntification number associated	\mathbf{X}	l I #ry	es,				and aprices.	<u> </u>						
Have construction plans been con	ordinated with the Arizona		îf y	es, please	MSVE state agency co	ntact	& nhone	number							
Department of Environmental Qu	ality?		<u> </u>	iel Dunk	ers. 602-771	-45	56	notitusi							
 For monitor wells, is dedicated put. Is this well a new well located in a 				illans per M		-		_							
AND intended to pump water for groundwater?	the purpose of remediating			ess the we erable well	o file a suppleme I is a replaceme s on the site is n	ant we ot inc	ell and the reasing.	e total number (See instruction	- of						
 Will the well registration number t on the upper part of the casing? 	e stamped on the vault cover or			io, where v Inside o	vill the registration f vault	n nur	nber be p	laced?							

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Notice of Intent to Drill, Deepen, or Modify a Monitor / Piezometer / Environmental Well

WELL REGISTRATION NUMBER

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Notice of Intent to Drill, Deepen, or Modify a Monitor / Piezometer / Environmental Well	
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WELL REGISTRATION NUMBER

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