

**ARIZONA DEPARTMENT OF WATER RESOURCES
WATER MANAGEMENT SUPPORT SECTION**

3550 N. Central Avenue
Phoenix, Arizona 85012

ABANDON

Notice! This well is located in or near an area of groundwater contamination (WQARF/CERCLA/DOD or Other). Be advised that special requirements may apply. Please refer to the attached letter(s) to the well owner for details.

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILL OPERATIONS

WELL REGISTRATION NO: 55-585355

AUTHORIZED DRILLER: HOLE TECH TUCSON, INC.

LICENSE NO: 752

NOTICE OF INTENTION TO ABANDON A MONITOR WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY/JUST HYDROLOGY 1110 W WASHINGTON PHOENIX, AZ 85007

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SW ¼ OF THE NW ¼ OF THE NE ¼ SECTION 25 TOWNSHIP 14 SOUTH RANGE 13 EAST

NO. OF WELLS IN THIS PROJECT: 1

ASSESSOR PARCEL NO: 119-20-123C

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF

WATER MANAGEMENT SUPPORT

**THE DRILLER MUST FILE A WELL ABANDONMENT
COMPLETION REPORT WITHIN 30 DAYS OF ABANDONMENT**



ARIZONA DEPARTMENT OF WATER RESOURCES

3550 N. Central Avenue, Phoenix, Arizona 85012
Telephone (602) 771-8500
Fax (602) 771-8691

October 12, 2007



Janet Napolitano
Governor

Herbert R. Guenther
Director

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY/UST HYDROLOGY
1110 W WASHINGTON
PHOENIX, AZ 85007

Registration No. 55-585355
File No. D(14-13) 25 ABC

Dear Applicant:

Enclosed is a copy of the Notice of Intent (NOI) to Abandon a Well. This NOI, which was recently filed with this Department is being returned to you as evidence of your compliance with ARS § 45-594; R12-15-816. The enclosed Well Owners Notification of Abandonment is to be submitted when the well has been properly abandoned. The well abandonment card and Abandonment Completion Report forms have been sent to your driller. He may not begin abandonment until he has received the well abandonment card. If you change drillers, you must supply this Department with the new driller's identity. Well abandonments shall be performed only by a licensed well drilling contractor or single well licensee.

ARS §45-594; R12-15-816(K) requires the registered well owner to submit a Well Owners Notification of Abandonment form within thirty (30) days after the abandonment of the well. It also requires the driller to furnish this Department a complete and accurate Well Abandonment Report within thirty (30) days after completion of abandonment. You should insist, and ensure, that both of these are done.

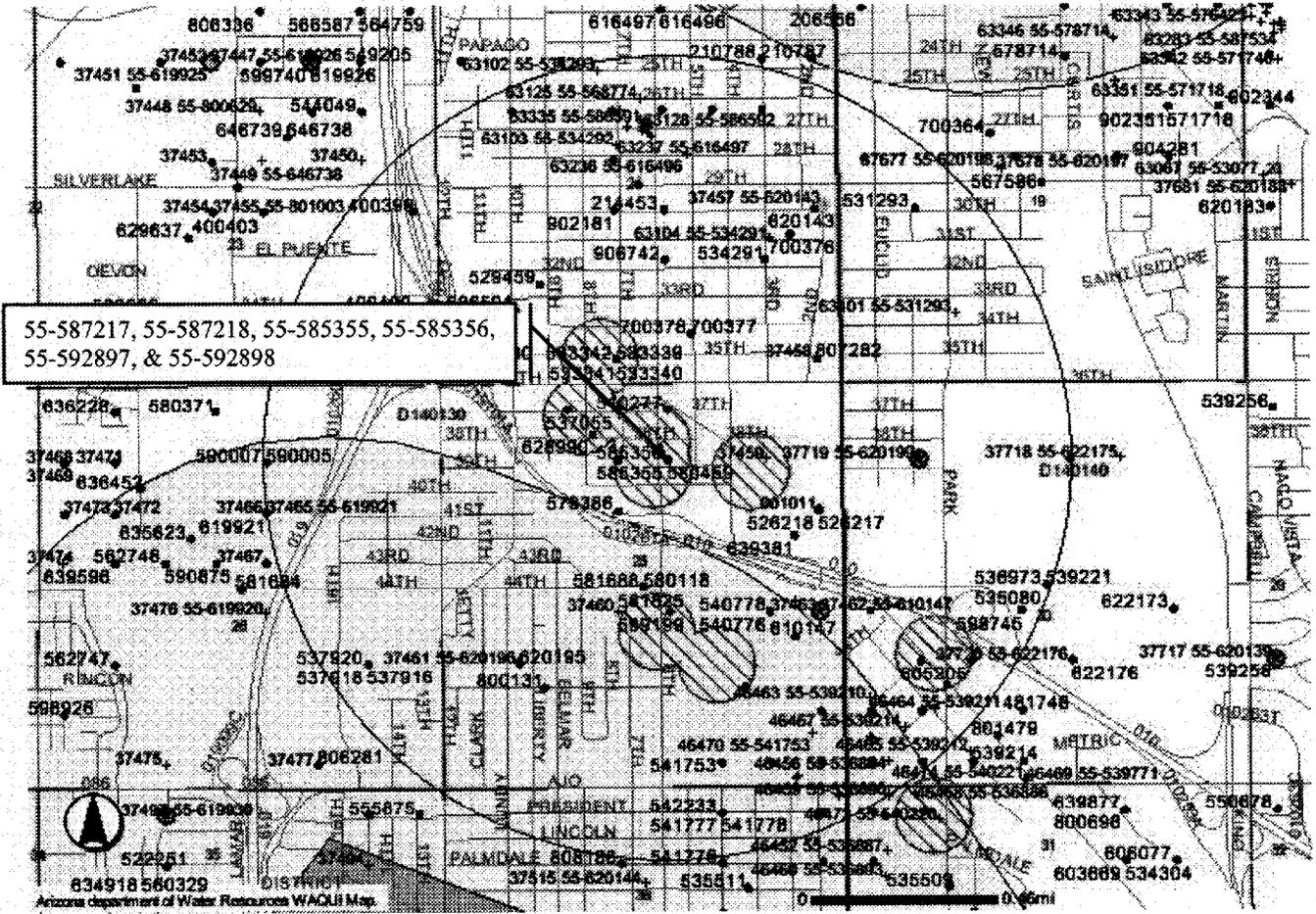
Sincerely,

A handwritten signature in black ink, appearing to read "SD Poe", written over a horizontal line.

Seandale Poe
NOI Unit
Water Management Support Section

Enclosures

55-587217, 55-587218, 55-585355, 55-585356, 55-592897, & 55-592898 / ADEQ NOI to Abandon, D(14-13)25ABC





**Arizona
Department
of Environmental
Quality**

Working Together



**Arizona
Department
of Water
Resources**

Legend

- Highlighted Feature
- theBuffer/Polygone
- theBuffer/Target
- ADEQ Wells
- Wells > HBCL
- Wells > Secondary MCL
- Wells > MCL
- No Exceedence
- REGISTERED WELLS
- Streets
- Sections
- Townships
- GWR LUST Buffer
- RCRA Site Buffer
- VRP Site Buffer
- Registry
- 1M. WQARF Buffer
- WQARF Sites

Map generated on 10/9/2007

Water Quality Sample Test Results for ADEQ Wells

Information provided is preliminary and subject to revision.

It may not represent the full extent of known water quality concerns.

 Printed on recycled paper. Each ton of recycled paper saves 7,000 gallons of water.



Arizona Department of Water Resources
 Water Management Support Section
 P.O. Box 33589 Phoenix, Arizona 85067-3589
 (602) 771-8500 • (800) 352-8488
 www.azwater.gov

**Notice of Intent to
 Abandon a Well**

NO FEE

- Review instructions and the Well Abandonment Handbook prior to completing form with black or blue ink.
- You **must** include with your Notice:
 - Well construction diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.

**** PLEASE PRINT CLEARLY ****

AMA / INA TUC	B 16	SB
RECEIVED 9-28-07	DATE	WS 09
ISSUED Oct 12, 2007	DATE	WOARF LLL
		CERCLA

FILE NUMBER D(14-13)25ABC
WELL REGISTRATION NUMBER 55-585355

SECTION 1. REGISTRY INFORMATION

Well Type CHECK ONE		Location of Well WELL LOCATION ADDRESS (IF ANY) 2802 S. 6th AVE					
<input type="checkbox"/> Domestic	<input checked="" type="checkbox"/> Monitor / Piezometer	TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
<input type="checkbox"/> Stock	<input type="checkbox"/> Geotechnical	14	13	25	SW 1/4	NW 1/4	NE 1/4
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Mineral Exploration	COUNTY ASSESSOR'S PARCEL ID NUMBER			COUNTY WHERE WELL IS LOCATED		
<input type="checkbox"/> Municipal	<input type="checkbox"/> Other (please specify):	BOOK 119	MAP 20	PARCEL 123C	PIMA		
ORIGINAL WELL OWNER (IF KNOWN) ADEQ		LATITUDE					
ORIGINAL WELL DRILLING FIRM (IF KNOWN) YELLOW JACKET		DRILL DATE (IF KNOWN) 78 2/2001		32° 11' 26" N		110° 58' 87" W	
				METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input type="checkbox"/> *GPS: Hand-Held			
				<input type="checkbox"/> USGS Quad Map <input checked="" type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade			
				*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)			
				<input type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):			

SECTION 2. OWNER INFORMATION

Well Owner		Landowner (if different from Well Owner)	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL ARIZ Dept of ENV. Quality		FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL CITY of South TULSON	
MAILING ADDRESS 1110 W. WASHINGTON		MAILING ADDRESS 1601 S. 6th Ave	
CITY / STATE / ZIP CODE PHOENIX AZ 85007		CITY / STATE / ZIP CODE South TULSON AZ 85713	
CONTACT PERSON NAME AND TITLE SAMANTHA ROBERTS		CONTACT PERSON NAME AND TITLE JOE CASTELUM	
TELEPHONE NUMBER 800 234 5677	FAX	TELEPHONE NUMBER (520) 792 2424	FAX (520) 628 9619

SECTION 3. ABANDONMENT AUTHORIZATION

Drilling Firm		Consultant (if applicable)	
NAME HOLE TECH TULSON INC.		CONSULTING FIRM ZEBEN ENVIRONMENTAL	
DWR LICENSE NUMBER 752	ROC LICENSE CATEGORY A-4	CONTACT PERSON NAME MIKE KAZZ	
TELEPHONE NUMBER 520-975-5000	FAX	TELEPHONE NUMBER 520-884-1846	FAX
E-MAIL ADDRESS			

SECTION 4.

Questions	Yes	No	If Yes:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be, or is contaminated?		<input checked="" type="checkbox"/>	EXPLAIN (ATTACH ADDITIONAL PAGE IF NECESSARY)
2. Is there another well name or identification number associated with this well? (e.g., Lot 3 Well, MW-1, etc.)		<input checked="" type="checkbox"/>	PLEASE STATE
3. Was the well casing video logged?		<input checked="" type="checkbox"/>	
4. Why is the well being abandoned?	JOB COMPLETED		

RECEIVED

SEP 28 2007

WELL REGISTRATION NUMBER
55 - 585355

Notice of Intent to Abandon a Well

Provide a well construction diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.

SECTION 5. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole			Existing Casing (to the best of your knowledge)													
DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)	DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)					SLOT SIZE IF ANY (inches)	
FROM (feet)	TO (feet)		FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED		IF OTHER TYPE, DESCRIBE
0	90	4	6	90	3	X				X						
			87	90	3									SPRINGS		

Condition of casing: Good Fair Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)						FILTER PACK			
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS			
0	85			X							
85	90								X		10-20

SECTION 6. PROPOSED WELL ABANDONMENT DESIGN (attach additional page if needed) DATE ABANDONMENT IS TO BEGIN

Refer to ADWR's Well Abandonment Handbook for additional information.

Casing Treatment Sealing or Fill Material

Casing Treatment				Sealing or Fill Material															
DEPTH FROM SURFACE		TREATMENT TYPE (T)				DEPTH FROM SURFACE		MATERIAL TYPE (T)								MIXING RATIO by (check one) <input checked="" type="checkbox"/> Weight <input type="checkbox"/> Volume	ESTIMATE D VOLUME OF MATERIAL (cubic feet)		
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING IS TO BE PERFORATED, DESCRIBE SPACING AND SIZE OF PERFORATIONS TO BE ADDED	FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS BENTONITE				SAND	
0	20				X		3	90	X										
85	90		X																

Proposed Abandonment Method (See Well Abandonment Handbook) Emplacement Method of Sealing or Fill Material

CHECK ONE

Standard Method Alternative 4: Other (please specify):

Alternative 1 Variance Option *

Alternative 2 Alternative 5: Variance Option 1* * requires a letter requesting a variance

Alternative 3 Variance Option 2*

CHECK ONE

Gravity

Pressure Grouting

Tremie Pumped

Other (please specify):

REMARKS

I state that this notice is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and belief.

TYPE OR PRINT NAME AND TITLE JOHN ROBERTSON Hydrogeologist	SIGNATURE OF WELL OWNER <i>John Robertson</i>	DATE 09/28/07
TYPE OR PRINT NAME AND TITLE JOEL Gastelum Planner	SIGNATURE OF LANDOWNER, IF APPLICABLE (SEE INSTRUCTIONS) <i>Joel Gastelum</i>	DATE 9/28/07

6. WELL CONSTRUCTION 2"

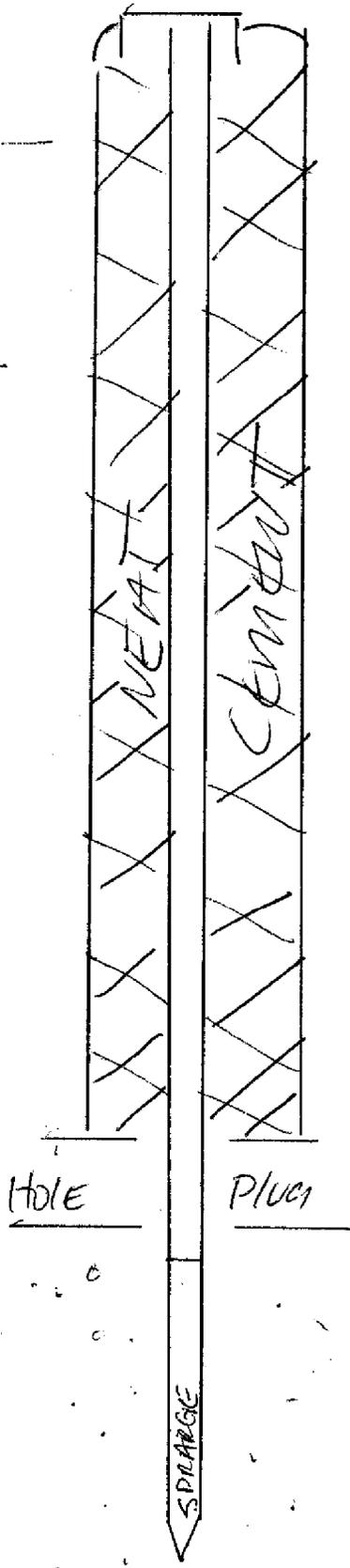
WELL ABANDONMENT SURFACE

3
20

WELL BEL #
55-585-355

CASING
REMOVED

RECEIVED
SEP 28 2007
WATER MGMT

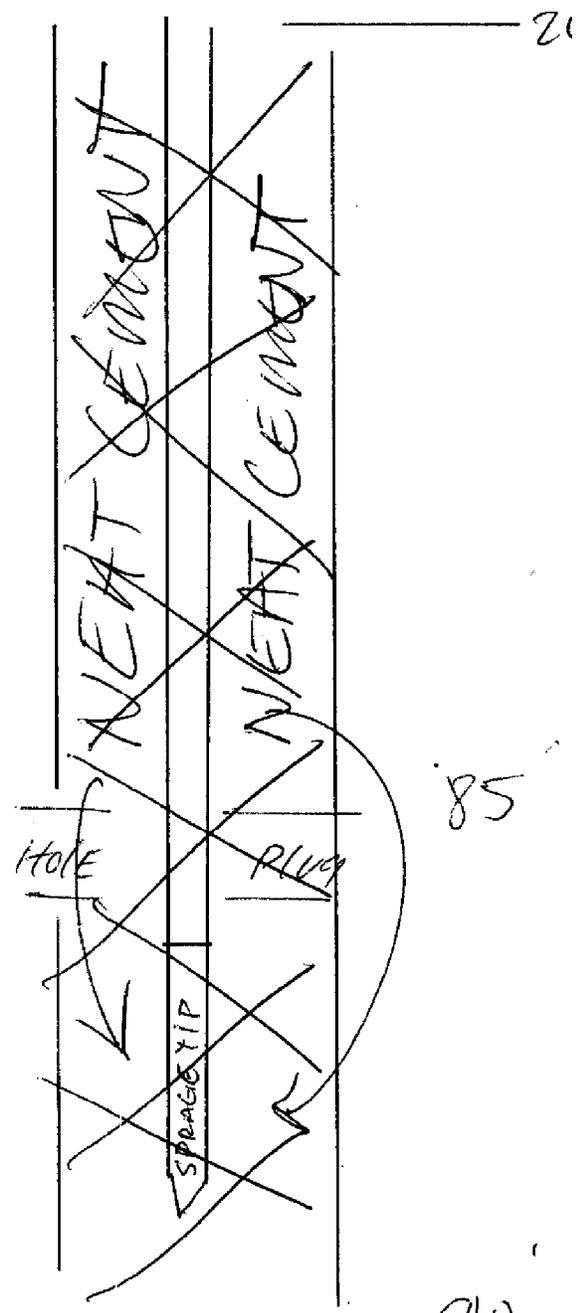


85

HOLE

PLUG

10-20
SAND
PAK
90'



85

HOLE

PLUG

90

2008 Pima County Assessor Property Inquiry
Search Parcel 2007 Parcel 2006 History Commercial Tax Summary Genealogy

Parcel 11902123C  

Book-Map-Parcel: 119-02-123C

TaxArea: 0120 TaxYear: 2008

TaxPayer Information
 CITY OF SOUTH TUCSON

Recording Information
 Docket 9495 Page 1680 Date Mar-10-1993

RECEIVED
 SEP 28 2007
WATER MGMT

00000 0000

Description

MISSION VIEW BLK 18 & ABAND ALLEY & S100'
 LOT A & LOTS 4 THRU 9 15 16 BLK 19 & ABAND
 ALLEY & BLK 24 & 25 & ABAND 39TH ST &
 7TH AVE

Miscellaneous
 Section 25 Twn 14.0 S Rng 13.0 E
 Map & Plat 3 / 21 Land Measure 453155.00 F
 Market Area: (100)
 Rule B District: 13
 Tract Block 019 Lot Group Code 000
 Census Tract 2300 Use Code 9728 File-Id 1
 Date of Last Change Feb-13-2007

Multiple Addresses 2920 S 6TH AV (STUC)

MUNICIPAL COMM PROP IPR

Secondary Valuation Data	Legislative Class	Full Cash	Percentage	Assessed
	Land VACANT/AG (4 0)	\$1,146,482	16.0	\$183,437
	Improvements VACANT/AG (0 0)	\$0	0.0	\$0
2007 Personal Property				
Gross Value Totals		\$1,146,482		\$183,437
2007 LMTD/SCND Exemptions				
Net Value Totals		\$1,146,482		\$183,437
Prior Limited Value: \$1,089,762		Current Limited Value: \$1,146,482		

Areas Condo Market 100 SFR District 16
 SFR Neighborhood 20230001
 MFR Neighborhood
 ST_FAIRGROUNDS
 DOR Market 7

Recordings 10989^ 507 ()

Map Selection(s) 03021018.TIF 03021019.TIF 03021024.TIF 03021025.TIF 03021028.TIF

Parcel Note: AUDIT NOTES 2006: LISTING IMPS PREVIOUSLY NOT LISTED->RULE B
 Imolina Aug-31-2005

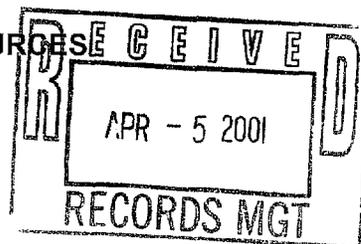
Parcel Note: COMBO BACK FROM SECTIONS 2005 COMBO: NO CHANGE IN LOCATION OF IMPS
 esantaer Jul-18-2005

Parcel Note: COMBO 2005 COMBO OF 119-02-1170, 118B, 123B, 164A, 165A, 1950 & 2020 PER
 gault Feb-28-2005 REQUEST FROM CITY AREA CALC BY POLYLINING PLAT 3/21

2008 Valuation in Progress.

ARIZONA DEPARTMENT OF WATER RESOURCES

500 North 3rd Street
Phoenix, Arizona 85004



WELL DRILLER REPORT

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

1. YELLOW JACKET DRILLING
PMB 201, 1520 W WARNER RD #106
GILBERT, AZ 85233-7045

2. Owner Name: ADEQ
Address: PHOENIX AZ 85012
City State Zip

3. Location: 14 N(S) 13 (EW) 25 1/4 SW 1/4 NW 1/4 SE
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55-585355 (Required)

5. Permit No. _____ (If Issued)

DESCRIPTION OF WELL

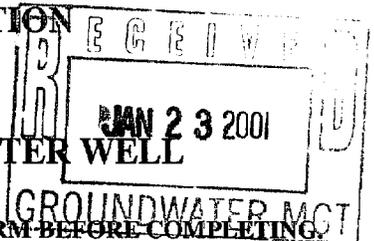
- 6. Total depth of hole 95 ft.
- 7. Type of casing SCH 40 PUC
- 8. Diameter and length of casing 4 in. from 0 to 65, _____ in from _____ to _____
- 9. Method of sealing at reduction points BENTONITE SEAL
- 10. Perforated from 65 to 95, from _____ to _____ from _____ to _____
- 11. Size of cuts .020 Number of cuts per foot _____
- 12. If screen was installed: Length 30 ft. Diam 4 in. Type SCH 40 PUC
- 13. Method of construction DRILLED W/ HSA
(drilled, dug, driven, bored, jetted, etc)
- 14. Date started 2 22 01
Month Day Year
- 15. Date completed 2 22 01
Month Day Year
- 16. Depth to water 77 ft. (If flowing well, so state)
- 17. Describe point from which depth measurements were made, and give sea level elevation if available
FROM GROUND SURFACE
- 18. If flowing well, state method of flow regulation: _____
- 19. Remarks: _____

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

Registration No. 55- 585355
File No. D(14-13) 25 ABC
Received _____ By _____
Entered _____ By _____

**ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION**

MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458
FOR INFORMATION: CALL MONICA ORTIZ AT (602) 417-2470



NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

PLEASE READ GENERAL INSTRUCTIONS AND CONDITIONS ON REVERSE SIDE OF THIS FORM BEFORE COMPLETING.

Toot W'moo AS-1

1. Well/land Location:
14 NS 13 EW 25
 Township Range Section
SW 1/4 NW 1/4 NE 1/4
 10 Acre 40 Acre 160 Acre

2. Position location of the well on the land:
 Latitude 32.11.26 "
 Longitude 110.58.07 "

3. County: Pima

4. Owner of the well:
ADEQ UST Hydrology
 Name
3033 N. Central Ave
 Mailing Address
Phoenix, AZ 85012
 City State Zip
 Telephone No. 602-207-4259

5. Lessee of the land of wellsite:
 Name _____
 Mailing Address _____
 City State Zip _____
 Telephone No. _____

6. Owner of the Land of Wellsite:
City of South Tucson
 Name
P.O. Box 7307
 Mailing Address
South Tucson, AZ 85725
 City State Zip
 Telephone No. 520-792-2424

7. Consulting firm:
Miller Brooks Env.
 Name
Ron Whittier
 Contact Person
 Telephone No. 602-720-0517

8. Purpose of well drilled pursuant to this notice:
 Monitor
 Piezometer _____

9. If for deepening or modifying, list well registration number:
55-

* FOR DEPARTMENT USE ONLY	
File No. <u>D(14-13)25ABC</u>	
Filed <u>1/23/01</u> By <u>80</u>	
Input _____ By _____	
DUPLICATE	
Mailed <u>2/15/01</u> By <u>80</u>	
Registration <u>55-585355</u>	
AMA/INA <u>Tucson</u>	
W/S <u>09</u> S/B <u>16</u>	
MO. _____	

10. Will this proposed well be associated with a permit: Yes _____ No
 If yes, Permit No. _____

Construction will start:
February 19, 2001
 Month Day Year

12. Period well will remain in use:
5 Months/Years

13. For monitoring wells, is pump equipment to be installed?
 No

(a) If yes, design pump capacity: _____
 (b) What use will be made of the water: _____

14. Drilling Firm:
Yellow Jacket Drilling
 Name
1520 W. Warner Rd #106-201
 Mailing Address
Gilbert, AZ 85233
 City State Zip
602-453-3252
 Telephone No.
78
 DWR License Number A-4
 ROC License Category _____

15. Proposed method of abandonment of well after project is completed: Drill-out casing and grout with neat cement per R12-15-811 and R12-15-816, pursuant to R12-15-816.

16. Is this well to monitor existing contamination? Potential contamination: _____ Please explain: Monitor and remediate existing contamination from a UST release

17. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact?
Wayne Rudney 602-207-4259

18. If construction plans have been coordinated with Arizona Department of Water Resources, who is the agency contact?

19. WELL CONSTRUCTION PLAN:

- a) Drilling method (mud rotary, hollow-stem auger, etc.) hollow-stem auger
- b) Borehole diameters: 11 inches from 0 feet to 90 feet.
inches from _____ feet to _____ feet.
- c) Casing materials (PVC, steel, hollow-stem auger, etc.)
material PVC diameter 2 inches from 0 feet to 90 feet.
material _____ diameter _____ inches from _____ feet to _____ feet.
- d) Method of sealing at reductions no reductions
- e) Annular seal materials (cement, grout, etc.); method of placement (tremied, circulated):
material neat cement method tremied from 0 feet to 75 feet.
material bentonite method tremied from 75 feet to 85 feet.
- f) Filter packs (state material):
material #10-20 Silica sand from 85 feet to 90 feet.
material _____ from _____ feet to _____ feet.
- g) Perforations or screen specifications:
Type 0.010 well screen from 87 feet to 90 feet.
Type _____ from _____ feet to _____ feet.
- h) Method of well development (bail, air lift, surge) surge and bail
- i) Will surface or conductor casing extend above grade?: Yes _____ No X

20. Include detailed construction diagram showing expected water depth in feet below land surface, and details of vault, if specified.

I state that this Notice is filed in compliance with Rule A.A.C. R12-15-809, is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on this form.

Michael Latin ADEQ SCU Manager M Latin 11/17/01
 Typed or Printed Name and Title Signature [] Land Owner [] Lessee of Wellsite, Title Date

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

1. Arizona Revised Statutes ("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.
5. If an individual other than the land owner or lessee signs this notice, an original **notarized** letter of authorization from the land owner/lessee, stating that 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.
6. 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. § 45-113. Submit them to: P.O. Box 458, Phoenix, Arizona 85001-0458.

TIME FRAME FOR REVIEW OF YOUR APPLICATION

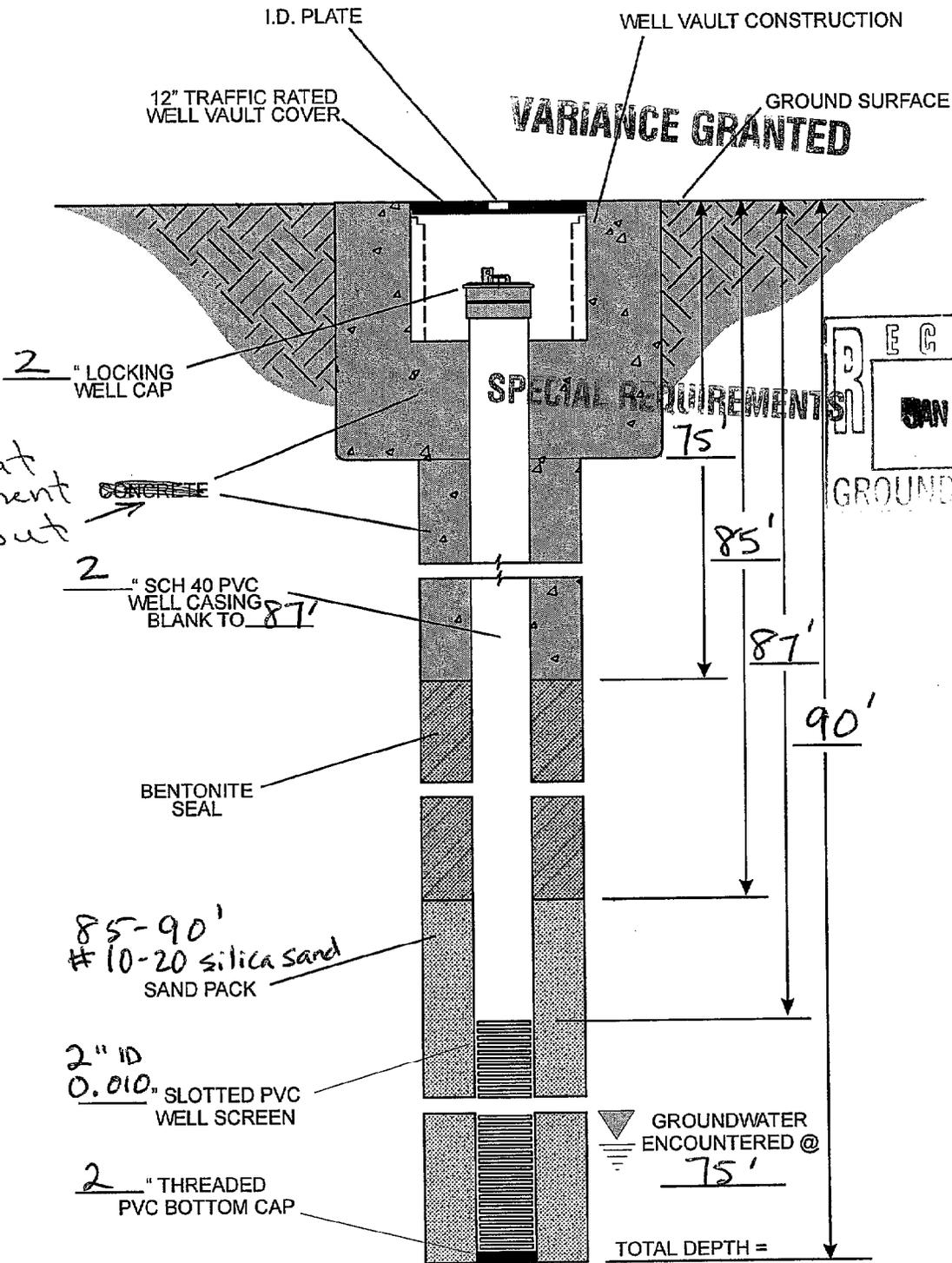
Within 15 days after receipt of your Notice of Intention, the Arizona Department of Water Resources ("Department") will determine whether your application should be granted or denied, unless this time is extended for lack of a complete application. If your application is incomplete, the Department will 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:

14 S, 13 E, Section 25. SW, NW, NE



RECEIVED
 JAN 23 2001
 GROUNDWATER MGMT

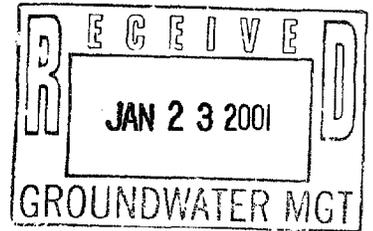
DRILL RIG BK-81 HSA
 DRILL DIAMETER 6 1/4" ID, 10 1/4" OD
 11" borehole

Air Sparge Well

		AOED Test 'N' Moo 2702 S. 6th Avenue S. Tucson, AZ 85725	
WELL CONSTRUCTION DETAIL			WELL#
PROJECT:	DRILLED BY:	DATE:	LOGGED BY:
#315-0001-04	Yellow Jacket	1-19-01	AS-1

NOTE: NOT TO SCALE

Yellow Jacket Drilling
PMB # 201 ~ 1520 W. Warner Rd. Ste.#106 ~ Gilbert, Arizona 85233
Phone (602) 453-3252 ~ Fax (602) 453-3258



Jan. 21, 2001

VARIANCE GRANTED

Arizona Department of Water Resources
500 North 3rd Street
Phoenix, Arizona 85004-3903

Reference: Request for Variance

To Whom It May Concern:

On Behalf of Miller Brooks Environmental, Inc., Yellow Jacket Drilling, would like to request **SPECIAL REQUIREMENTS** for the construction of one (1) air sparge well located at Township 14S, Range 13E, Section 25, SW 1/4, NW 1/4, NE 1/4.

We request the following construction variances:

- * SCH 40 PVC casing will be used in lieu of the 20 foot steel surface casing.
- * The wells will be installed in sealed, flush grade, traffic-rated vaults because above-grade protective casing would interfere with traffic flow.

Please feel free to contact me if you have any questions. Thank-you for your attention to this Request for Variance.

Sincerely,
Yellow Jacket Drilling

A handwritten signature in black ink, appearing to read "R. LeBlanc".

Richard LeBlanc

RB/rb

Project NO. 00-1126P

ARIZONA DEPARTMENT OF WATER RESOURCES

Hydrology Division

500 North Third Street, Phoenix, Arizona 85004

Telephone 602 417-2448

Fax 602 417-2425

January 29, 2001



JANE DEE HULL
Governor

RITA PEARSON
MAGUIRE
Director

Yellow Jacket Drilling
PMB #201
1520 West Warner Road, Suite 106
Gilbert, Arizona 85233

Attn: Richard LeBlanc

**RE: Variances for Construction of Two Monitor Wells
Registration Numbers 55-585355 through 55-585356**

Dear Mr. LeBlanc:

The Arizona Department of Water Resources received your request dated January 23, 2001 for construction variances for two monitor wells to be located in Pima County. The purpose of these wells will be to evaluate existing groundwater contamination.

The Arizona Department of Water Resources approves this request for the following variances:

- Thermoplastic casing with a watertight cap may be used in lieu of steel (R12-15-811.B.1).

The following *special requirements* are conditions for these variances (R12-15-821.):

- The casing 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 well shall be abandoned (decommissioned) in accordance with A.A.C. R12-15 816.

If you have any questions, contact Carol Norton of my staff at 602-417-2400 extension 7341.

Sincerely,

A handwritten signature in black ink, appearing to read "Frank Corkhill".

Frank Corkhill
Technical Support Section Supervisor

FC/CN/rd
503303

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: 55-585355

AUTHORIZED DRILLER: YELLOW JACKET DRILLING

LICENSE NO: 78

NOTICE OF INTENTION TO DRILL A MONITOR WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY 3033 N CENTRAL AVE PHOENIX, AZ 85012

The well(s) is/are to be located in the:

SW ¼ of the NW ¼ of the NE ¼ Section 25 Township 14 SOUTH Range 13 EAST

No. of wells in this project: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 22ND DAY OF JANUARY, 2002

ms

GROUNDWATER MANAGEMENT SUPPORT

**THE DRILLER MUST FILE A LOG OF THE WELL
WITHIN 30 DAYS OF COMPLETION OF DRILLING**



ARIZONA DEPARTMENT OF WATER RESOURCES

500 North 3rd Street, Phoenix, Arizona 85004

Telephone (602) 417-2470

Fax (602) 417-2422

February 06, 2001



JANE DEE HULL

Governor

RITA PEARSON MAGUIRE

Director

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
3033 N CENTRAL AVE
PHOENIX, AZ 85012

Registration No. 55-585355

File No. D(14-13) 25 ABC

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,

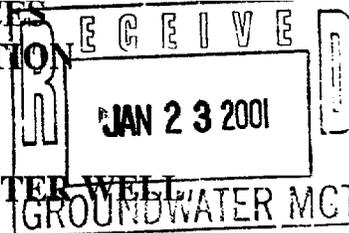
A handwritten signature in cursive script, appearing to read "S. Valdez".

Sylvia Valdez
Water Resource Technician
Groundwater Management Support Section

Enclosures

**ARIZONA DEPARTMENT OF WATER RESOURCES
GROUNDWATER MANAGEMENT SUPPORT SECTION**

MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458
FOR INFORMATION: CALL MONICA ORTIZ AT (602) 417-2470



NOTICE OF INTENTION TO DRILL MONITOR/PIEZOMETER WELL

PLEASE READ GENERAL INSTRUCTIONS AND CONDITIONS ON REVERSE SIDE OF THIS FORM BEFORE COMPLETING.

Toot 'N' Moo MW-8

1. Well/Land Location:
14 NS 13 EW 25
 Township Range Section
SW 1/4 NW 1/4 NE 1/4
 10 Acre 40 Acre 160 Acre

2. Position location of the well on the land:
 Latitude 32° 11' 25"
 Longitude 110° 58' 08"
 3. County: Pima

4. Owner of the well:
ADED UST Hydrology
 Name 3033 N. Central Ave
 Mailing Address Phoenix, AZ 85012
 City State Zip
 Telephone No. 602-207-4259

5. Lessee of the land of wellsite:
 Name _____
 Mailing Address _____
 City State Zip _____

6. Owner of the Land of Wellsite:
City of South Tucson
 Name P.O. Box 7307
 Mailing Address South Tucson, AZ 85725
 City State Zip
 Telephone No. 520-792-2424
 7. Consulting firm:
Miller Brooks Env.
 Name Ron Whittler
 Contact Person
 Telephone No. 602-728-0577

8. Purpose of well drilled pursuant to this notice:
 Monitor
 Piezometer _____
 9. If for deepening or modifying, list well registration number:
 55- _____

10. Will this proposed well be associated with a permit: Yes _____ No
 If yes, Permit No. _____

11. Construction will start:
February 19, 2001
 Month Day Year

12. Period well will remain in use:
5 Months/Years

13. For monitoring wells, is pump equipment to be installed?
 Yes _____ No

(a) If yes, design pump capacity: _____
 (b) What use will be made of the water: _____

14. Drilling Firm:
Yellow Jacket Drilling
 Name 1520 W. Warner #106-201
 Mailing Address Gilbert, AZ 85233
 City State Zip
602-453-3252
 Telephone No. 70

FOR DEPARTMENT USE ONLY	
File No. _____	By _____
Filed _____	By _____
Input _____	By _____
DUPLICATE	
Mailed _____	By _____
Registration 55- _____	

MILLER BROOKS ENVIRONMENTAL, INC.		1680
PHONE 602-728-0577 202 E. EARLL DR., STE. 470 PHOENIX, AZ 85012		
PAY TO THE ORDER OF:	<u>Arizona Dept. of Water Resources</u>	DATE <u>1-23-01</u>
<u>Twenty even</u>		91-119 50024 1221
		\$ <u>20</u>
		DOLLARS
FOR <u>well permits 315-0004-01</u>		

VARIANCE CHECKLIST - HYDROLOGY

DATE RECEIVED 1-23-01 POTENTIAL REG. Nº 55- _____
 DATE TO HYDRO 1-26-01
 DATE TO GMSS 01/29/01 55-585355 THRU 55-585356

FRONT OF N.O.I COMPLETE/CORRECT: YES NO

VARIANCE (?) LETTER RECEIVED YES NO
 WELL DIAGRAM (?) RECEIVED YES NO
 SITE PLAN (?) RECEIVED YES NO

TYPE AND NUMBER OF WELLS:

<u>2</u>	MONITOR	<input type="checkbox"/>	CATHODIC PROTECTION
<input type="checkbox"/>	PIEZOMETER	<input type="checkbox"/>	GROUNDING
<input type="checkbox"/>	GEOTECHNICAL	<input type="checkbox"/>	HEAT PUMP
<input type="checkbox"/>	MINERAL EXPLORATION	<input type="checkbox"/>	
<input type="checkbox"/>	WATER PRODUCTION	<input type="checkbox"/>	OTHER _____

DESCRIBE TYPE OF WELL

VARIANCE:

<input checked="" type="checkbox"/> REQUIRED	<input checked="" type="checkbox"/> GRANTED
<input type="checkbox"/> NOT REQUIRED	<input type="checkbox"/> NOT GRANTED
	<input type="checkbox"/> LETTER ISSUED

ATTENTION!!! NOTICE OF INTENT TEAM:

HARD COPY OF LETTER TO FOLLOW
 CALL FOR PICKUP

COMMENTS: variance letter written 01/29/01
OK. CEH 01/29/01