



Arizona Department of Water Resources  
 Records Management Section  
 500 N. 3rd Street • Phoenix, Arizona 85004  
 (802) 417-2405 • (800) 352-8488  
 www.water.az.gov

RECEIVED  
 Well Owner's  
 Notification of Abandonment  
 AUG 27 2003 D(1313)35 BDA

NO FEE

- Review the instructions prior to completing the form in black or blue ink.
- The owner or operator of any well shall notify the Department, in writing, no later than 30 days after the abandonment has been completed.  
 (A.R.S. § 45-594, A.A.C. R12-15-816(K))

WELL REGISTRATION NUMBER  
 55 - 586532

\*\* PLEASE PRINT CLEARLY \*\*

NAME Geomechanics Southwest		WELL LOCATION ADDRESS (IF ANY) 901 W. Miracle Mile, Tucson, AZ					
DWR LICENSE NUMBER 498		TOWNSHIP (N/S) 13S	RANGE (E/W) 13E	SECTION 35	80 ACRE NW ¼	40 ACRE SE ¼	10 ACRE NE ¼
TELEPHONE NUMBER (602) 252-0559	FAX (602) 252-0721	COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK 107      MAP 06			PARCEL 07702		
DATE ABANDONMENT COMPLETED 08-19-03		COUNTY WHERE WELL IS LOCATED Pima					

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Mr. Joe Agers		FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL same	
MAILING ADDRESS 901 W. Miracle Mile		MAILING ADDRESS	
CITY / STATE / ZIP CODE Tucson, AZ 85705		CITY / STATE / ZIP CODE	
CONTACT PERSON NAME AND TITLE Mr. Joe Agers		CONTACT PERSON NAME AND TITLE	
TELEPHONE NUMBER (520) 623-3858	FAX	TELEPHONE NUMBER	FAX

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.

SIGNATURE OF WELL OWNER: *Joe Agers*      DATE: 8/21/03

ANSWERED SEP 24 2003



ARIZONA DEPARTMENT OF WATER RESOURCES  
 Records Management Section  
 500 N. 3rd Street \* Phoenix, Arizona 85004  
 (602) 417-2405 \* (800) 352-8488  
 www.water.az.gov

## Well Abandonment Completion Report

RECEIVED  
 AUG 29 2003  
 RECORDS MANAGEMENT

FILE NUMBER  
**D(13-13) 35 BDA**  
 WELL REGISTRATION NUMBER  
**55-586532**

- Review instructions prior to completing form
- The drilling firm or single well licensee must file this report within 30 days of completion of abandonment (A.R.S. § 45-594, A.A.C. R12-15-816)

\*\* PLEASE PRINT CLEARLY \*\*

### SECTION 1. REGISTRY INFORMATION

Location of Well						
WELL LOCATION ADDRESS (IF ANY) 901 W. Miracle Mile, Tucson						
TOWNSHIP (N/S)	RANGE (E/W)	SECTION	180 ACRE	40 ACRE	10 ACRE	
13S	13E	35	NW 1/4	SE 1/4	NE 1/4	
COUNTY ASSESSOR'S PARCEL ID NUMBER			BOOK			
			MAP	6	PARCEL 07702	
LATITUDE			LONGITUDE			
32° 15' 38" N			110° 59' 12" W			
LAND SURFACE ELEVATION AT WELL Feet Above Sea Level						
METHOD OF LATITUDE / LONGITUDE (CHECK ONE)						
<input type="checkbox"/> USGS Quad Map			<input type="checkbox"/> Conventional Survey		<input type="checkbox"/> GPS: <input type="checkbox"/> Hand-Held <input type="checkbox"/> Survey-Grade	

### SECTION 2. OWNER INFORMATION      SECTION 3. ABANDONMENT AUTHORIZATION

<b>Well Owner</b>		<b>Drilling Firm</b>	
FULL NAME OF COMPANY, ORGANIZATION OR INDIVIDUAL JOE AGERS		NAME GEOMECHANICS SOUTHWEST, INC.	
MAILING ADDRESS 901 W MIRACLE MILE		DWR LICENSE NUMBER 498	
CITY / STATE / ZIP TUCSON, AZ 85705		TELEPHONE NUMBER / 602- 520-889-7787	FAX 602-353-0721
CONTACT PERSON NAME AND TITLE			
TELEPHONE NUMBER 520-623-3858	FAX		

### SECTION 4.

Questions	Yes	No	Explanation:
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?	X		IF YES, EXPLAIN (ATTACH ADDITIONAL PAGE IF NECESSARY) GW was remediated to levels acceptable to ADEQ
2. Is there another well name or identification number associated with this well?	X		IF YES, PLEASE STATE MLW-3
3. Prior to abandonment, did the well have 20' of surface casing AND 20' of grout in the annular space surrounding the casing?	X		If No, was the top 20' of casing removed prior to setting the cement plug? <input type="checkbox"/> Yes <input type="checkbox"/> No
4. Was the well backfilled above the cement plug?		X	
5. Was the well casing video logged?		X	
6. Why was the well abandoned?	Monitoring well no longer required by ADEQ.		

GSI Job # 240-03P

ANSWERED SEP 23 2003

Well Abandonment Completion Report

WELL REGISTRATION NUMBER  
55-586532

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 (X)				PERFORATION TYPE (X)				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
0	80	10	0	50	4	X					X				
			50	80	4	X							X		0.010"

Condition of casing:  Good  Fair  Poor

SECTION 5. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)												
Existing Annular Material (to the best of your knowledge)										FILTER PACK		
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (X)								FILTER PACK		
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
0	45				X							
45	47							X				
47	80									X		* 2/20

SECTION 6. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

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

DEPTH TO WATER	DATE ABANDONMENT COMPLETED
Feet Below Land Surface	

Casing Treatment						Sealing or Fill Material											
DEPTH FROM SURFACE		TREATMENT TYPE (X)				DEPTH FROM SURFACE		MATERIAL TYPE (X)						MIXING RATIO by (check one) <input checked="" type="checkbox"/> Weight <input type="checkbox"/> Volume	VOLUME OF MATERIAL USED (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 WAS PERFORATED, DESCRIBE SPACING AND SIZE OF PERFORATIONS THAT WERE ADDED	FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS BENTONITE				
N/A							0	20	X								1.7
							20	80			X						5.2

Actual Abandonment Method (See Well Abandonment Handbook)	Emplacement Method of Sealing or Fill Material
CHECK ONE <input type="checkbox"/> Standard Method <input checked="" type="checkbox"/> Alternative 4: <input type="checkbox"/> Other (please specify) <input type="checkbox"/> Alternative 1 <input type="checkbox"/> Variance Option <input type="checkbox"/> Alternative 2 <input type="checkbox"/> Alternative 5: <input type="checkbox"/> Alternative 3 <input type="checkbox"/> Variance Option 1 <input type="checkbox"/> Variance Option 2	CHECK ONE <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure Grouting <input checked="" type="checkbox"/> Tremie Pumped <input type="checkbox"/> 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 Purcell, Jr., President	SIGNATURE OF QUALIFYING PARTY Sandra Monroe for John Purcell	DATE 8/21/03
--	---	-----------------

Review Sheet for Notices of Intention (NOI) to Drill or Abandon Wells (Updated 05/13/2003)

Well Owner Name Joe Agers Date 7-21-03  
Well Location D(13-13)35 BDA Well Registration Number: 55-586532

- Permission has been granted to drill, deepen, replace, modify or abandon the well indicated on the attached NOI.
- Permission has been granted to drill or abandon the well indicated on the attached NOI. However, special well construction or abandonment requirements apply since the proposed well is located near or within the boundary of a groundwater contamination site. See attached special requirements or visit the ADWR "WQARF" homepage on the ADWR website at <http://www.water.az.gov/> for further information on "Special well drilling requirements for wells located within areas of groundwater contamination". Please be aware that groundwater produced from the proposed well may not meet applicable federal, state, county or local water quality standards.  
The checked special well drilling requirements apply to the indicated well (see attachments):  
 Standard Special Requirements (applies to contamination areas not covered by site-specific requirements)  
 Pinal Creek Special Requirements  
 Yuma Marine Corps Air Station Special Requirements  
 Well Abandonment Handbook (see Standard Method or Alternatives 2 or 3)

- Permission has not been granted to drill or abandon the well indicated on the attached NOI for the following reason(s):
  - Insufficient filing fee submitted\*. Your check for \$\_\_\_\_\_ is being returned to you. You must resubmit this review sheet, the attached NOI form (with any changes indicated below) and a check for the appropriate fee, which is \$\_\_\_\_\_.  
\*NOI filing fees were increased on May 7, 2003. The appropriate filing fee for a well located within an AMA or INA is \$150. For a well not located within an AMA or INA, the fee is \$50 if the well will be used solely for domestic purposes and will have a pump with a maximum capacity of not more than 35 gallons per minute. Otherwise the fee is \$150.
  - County or local health official endorsement and approval is required but was not provided.
  - Insufficient information to determine if well meets 100-foot setback requirement. Well owner must sign and return the attached certification form if well meets 100-foot minimum set-back requirement.
  - Incomplete or incorrect well location information.
  - Incomplete or incorrect well owner information.
  - Land owner permission to drill letter is required.
  - Proposed well is located within 100 feet of a septic system, sewer disposal area, landfill, hazardous waste materials or petroleum storage area or tank.
  - Well driller information incomplete.
  - Well driller is not currently licensed with ADWR and/or the Registrar of Contractors.
  - Well construction information is incomplete, you must include design pump capacity (if applicable), well depth, well diameter and type of casing (if applicable).
  - Well abandonment information is incomplete, you must include information on proposed well abandonment design (see ADWR Well Abandonment Handbook)
  - Well owner or landowner information and/or signature incomplete or incorrect.
  - Variance request has not been granted. Explanation: \_\_\_\_\_
  - Other \_\_\_\_\_

# WQARF

## SPECIAL REQUIREMENTS

If permission to drill or abandon the specified well has not been granted, please correct all indicated errors and/or deficiencies and resubmit the corrected NOI form, this review sheet, and any attachments (if applicable) to ADWR. Unless stated above, no additional fees are required to resubmit this NOI. Be sure to submit all necessary information with your corrected NOI. The original NOI file will not be reviewed when ADWR reviews your corrected NOI. You must resubmit all the required information within 60 days, or you will need to file a new NOI with a new fee. Note: If you do not have the necessary information or need help, please contact your driller/consultant.

Mail resubmittals to: ADWR NOI-Resubmittals  
PO Box 458  
Phoenix Arizona 85001-0458

ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION  
500 North Third Street  
Phoenix, Arizona 85004

**SPECIAL REQUIREMENTS APPLY (WQARF/SUPERFUND)-ABANDON**

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

WELL REGISTRATION NO: 55-586532 *MW-3*

AUTHORIZED DRILLER: GEOMECHANICS SOUTHWEST, INC.

LICENSE NO: 498

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

WELL OWNER: JOE AGERS 901 W MIRACLE MILE TUCSON, AZ 85705

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

NE  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of the NW  $\frac{1}{4}$  Section 35 Township 13 SOUTH Range 13 EAST

No. of wells in this project: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 16TH DAY OF JULY, 2004

*Shannon L. Bey*  
\_\_\_\_\_  
GROUNDWATER MANAGEMENT SUPPORT

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





Arizona Department of Water Resources  
Groundwater Management Support Section  
P.O. Box 458 • Phoenix, Arizona 85001-0458  
(602) 417-2470 • (800) 352-8488  
www.water.az.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.

RECEIVED  
GROUN...

ISSUED	DATE	WARRANT	CONOLA
7-21-03	XX		

FILE NUMBER	D(13-13)353DA
WELL REGISTRATION NUMBER	55-586532

\*\* PLEASE PRINT CLEARLY \*\*

SECTION 1. REGISTRY INFORMATION					
<b>Well Type</b>					
CHECK ONE					
<input type="checkbox"/> Domestic	<input checked="" type="checkbox"/> Monitor / Piezometer				
<input type="checkbox"/> Stock	<input type="checkbox"/> Geotechnical				
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Mineral Exploration				
<input type="checkbox"/> Municipal	<input type="checkbox"/> Other (please specify):				
<b>Location of Well</b>					
WELL LOCATION ADDRESS (IF ANY) 901 W. Miracle Mile, Tucson, AZ					
TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
13S	13E	35	NW ¼	SE ¼	NE ¼
LATITUDE			LONGITUDE		
32°	15'	38" N	110°	59'	12" W
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
ORIGINAL WELL OWNER (IF KNOWN) Joe Agers		COUNTY ASSESSOR'S PARCEL ID NUMBER			
		BOOK	MAP	PARCEL	
		107	06	07702	
ORIGINAL WELL DRILLING FIRM (IF KNOWN) Geomechanics Southwest	DRILL DATE (IF KNOWN) 05/23/01	COUNTY WHERE WELL IS LOCATED Pima			

SECTION 2. OWNER INFORMATION	
<b>Well Owner</b>	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Mr. Joe Agers	
MAILING ADDRESS 901 W. Miracle Mile	
CITY / STATE / ZIP CODE Tucson, AZ 85705	
CONTACT PERSON NAME AND TITLE Mr. Joe Agers	
TELEPHONE NUMBER (520) 623-3858	FAX
<b>Landowner (if different from Well Owner)</b>	
FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL same	
MAILING ADDRESS	
CITY / STATE / ZIP CODE	
CONTACT PERSON NAME AND TITLE	
TELEPHONE NUMBER	FAX

SECTION 3. ABANDONMENT AUTHORIZATION	
<b>Drilling Firm</b>	
NAME Geomechanics Southwest	
DWR LICENSE NUMBER 498	ROC LICENSE CATEGORY A-04
TELEPHONE NUMBER (602) 252-0559	FAX (602) 252-0771
<b>Consultant (if applicable)</b>	
CONSULTING FIRM WMA Inc.	
CONTACT PERSON NAME Anna Martin	
TELEPHONE NUMBER (480) 730-6052	FAX (480) 752-2120
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?	X		EXPLAIN (ATTACH ADDITIONAL PAGE IF NECESSARY) Ground water was remediated to levels acceptable to ADEQ.
2. Is there another well name or identification number associated with this well?	X		PLEASE STATE MW-3
3. Was the well casing video logged?		X	
4. Why is the well being abandoned?	Monitoring well no longer required by ADEQ		

**Notice of Intent to Abandon a Well**

WELL REGISTRATION NUMBER  
**55 - 586532**

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

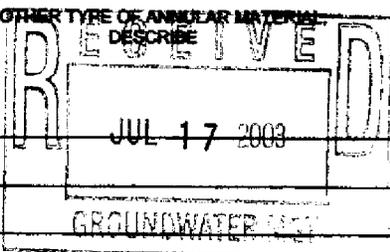
**SECTION 5. ORIGINAL WELL CONSTRUCTION DESIGN** (attach additional page if needed)

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	80	10														
			0	50	4		X									
			50	80	4		X						X			0.010

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			IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	SAND	GRAVEL	SIZE
						GROUT	CHIPS	PELLETS				
47	50										X	#2/20
45	47							X				
0	45			X								



**SECTION 6. PROPOSED WELL ABANDONMENT DESIGN** (attach additional page if needed)

DATE ABANDONMENT IS TO BEGIN  
**August, 2003**

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

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 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	GROUT			CHIPS	PELLETS	SAND
						None	0	20	X											1.7
							20	80				X								5.2

**Proposed Abandonment Method** (See Well Abandonment Handbook)

CHECK ONE  
 Standard Method  
 Alternative 1  
 Alternative 2  
 Alternative 3  
 Alternative 4:  
 Variance Option \*  
 Alternative 5:  
 Variance Option 1\*  
 Variance Option 2\*  
 \* requires a letter requesting a variance

**Emplacement Method of Sealing or Fill Material**

CHECK ONE  
 Gravity  
 Pressure Grouting  
 Tremie Pumped  
 Other (please specify):

REMARKS

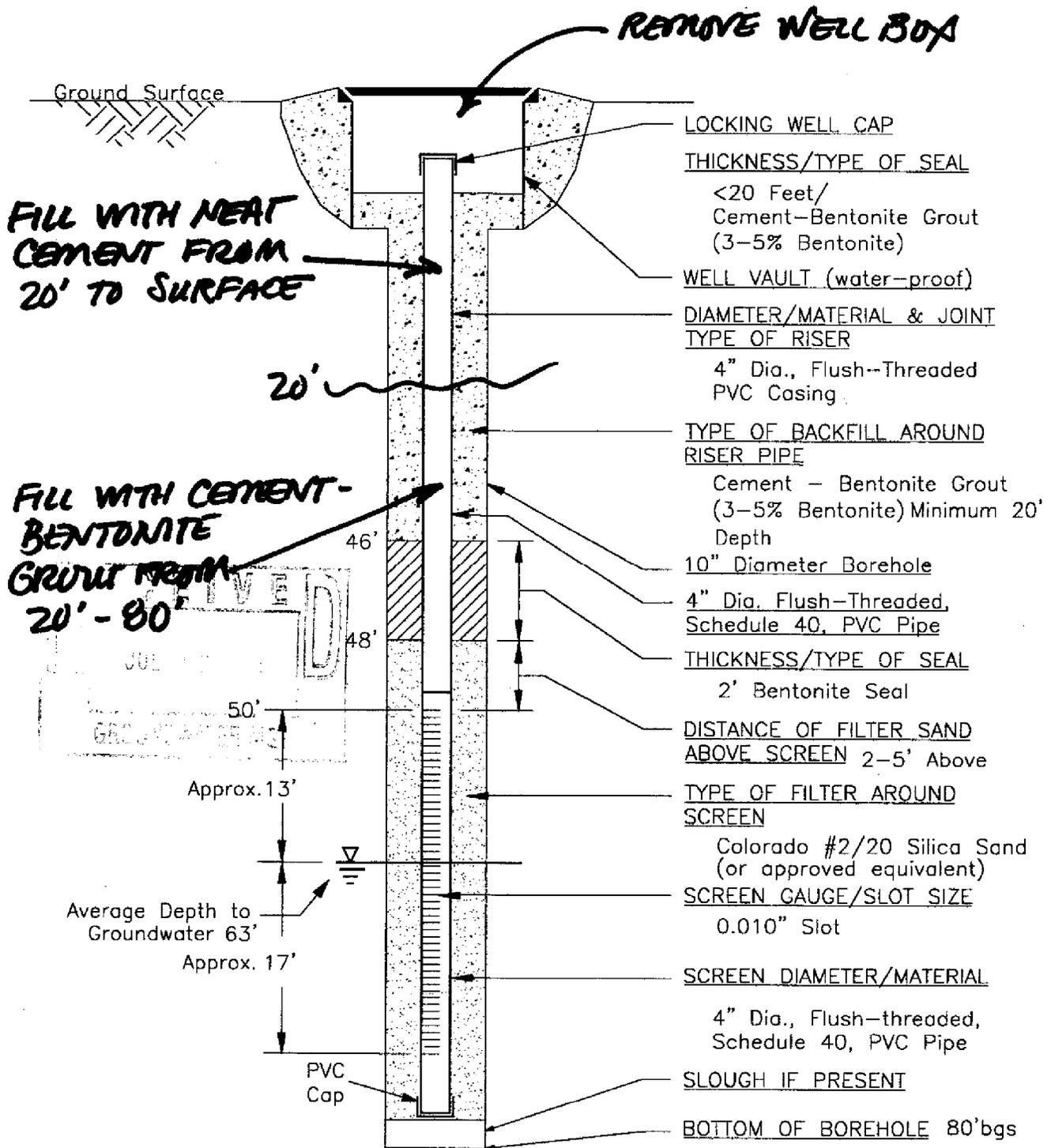
I state that this notice is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and belief.

TYPE OR PRINT NAME AND TITLE  
**Mr. Joe Agers**

SIGNATURE OF WELL OWNER

*Joe Agers*

DATE



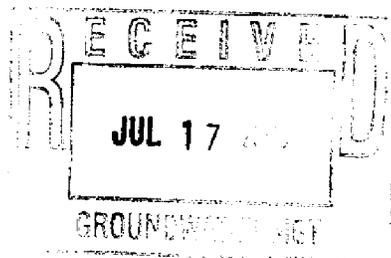
## EXPLANATION

The three ground water monitoring wells were installed as part of an investigation to determine the extent of contamination resulting from a leaking underground storage tank system.

Results of the investigation determined that soil contamination was present at levels which are below ADEQ soil remediation levels, and thus ADEQ allowed the soil to remain in place without cleanup.

Remediation was conducted on ground water to reduce the contaminant concentrations to levels which are below the Aquifer Water Quality Standards.

The attached letter states that ADEQ has closed the case, and that levels of soil and ground water contamination are below cleanup standards (no further action). We now wish to abandon the three ground water monitoring wells.





Janet Napolitano  
Governor

# ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

1110 West Washington Street • Phoenix, Arizona 85007  
(602) 771-2300 • www.adeq.state.az.us



Stephen A. Owens  
Director

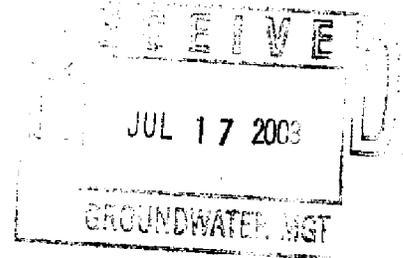
**CERTIFIED MAIL**  
Return Receipt Request  
UST Ref. #03-0004941  
June 23, 2003

Joe and Jacqueline Agers, "volunteer"  
901 West Miracle Mile  
Tucson, Arizona 85705

**RE: LUST CASE CLOSURE**

LUST File #4040.02  
Facility ID #0-008582  
Pima County

East UST area  
Agers Property  
901 West Miracle Mile  
Tucson, Arizona 85705



Dear Mr. and Mrs. Agers:

The Arizona Department of Environmental Quality (ADEQ) Underground Storage Tank (UST) Corrective Action staff have reviewed the referenced leaking UST (LUST) case file(s). Based on this review, it has been determined that UST Program's investigative and remedial requirements have been satisfied. Therefore, further response concerning the referenced release reported to the ADEQ on May 12, 1999 is not required at this time.

This LUST case file has been closed for the following reasons:

1. The referenced release location was adequately investigated. The vertical extent of laboratory detectable soil contamination was adequately defined to less than 60 feet below the ground surface (bgs). The lateral extent of soil contamination was adequately defined to a radius of approximately 10 feet around the release location. The soil contamination was determined to be adequately defined as of July 17, 1999, based on the laboratory analysis date of characterization data.
2. Depth to groundwater beneath this facility has been measured to be 60 feet bgs. The source of this information is an on-site monitoring well where samples were collected on April 7, 2003.
3. Soil sampling data indicate that remaining contaminant concentration(s) are at or below the residential Soil Remediation Level(s) for petroleum hydrocarbon contamination and at or below the Groundwater Protection Level(s) for benzene, toluene, ethyl benzene, and total xylene contamination as specified in Arizona Administrative Code (A.A.C.) R18-7-201 et seq. for the identified contaminant(s). The highest soil contaminant concentration remaining in the subsurface soil included 790 mg/kg petroleum hydrocarbons at or about 15 feet bgs; 0.29 mg/kg ethyl benzene, and 2.7 mg/kg total xylenes at or about 45 feet bgs.
4. Monitoring data indicates that groundwater contamination has been less than or equal to Aquifer Water Quality Standard(s) for two consecutive sampling events. The most recent groundwater analytical results from samples collected on April 7, 2003 identified 50 µg/L ethyl benzene, 53 µg/L total xylenes, and 1.9 µg/L 1,2-Dichloroethane.

Northern Regional Office  
1515 East Cedar Avenue • Suite F • Flagstaff, AZ 86004  
(928) 779-0313

Southern Regional Office  
400 West Congress Street • Suite 433 • Tucson, AZ 85701  
(520) 628-6733

Printed on recycled paper

Joe & Jacqueline Agers  
 UST Ref. #03-0004941  
 June 23, 2003  
 Page 2

The ADEQ is not requiring additional work for the referenced UST release(s) at this facility at this time. However, if, in the future, evidence of previously undocumented contamination is discovered at, or emanating from, this facility, the ADEQ will require additional investigation including any necessary additional remediation. This letter shall not be construed as a determination by the ADEQ of the referenced facility's compliance with any other applicable laws and requirements. This letter does not affect the status of any other ADEQ Program or ADEQ LUST case for this facility. The ADEQ may revoke or amend this letter if any of the submitted information is determined to be inaccurate or if any condition was unknown to the ADEQ at the time this letter was issued. The ADEQ informs you that, pursuant to A.R.S. §49-1052 (M), you have one year from the date of receiving this case closure letter to submit final applications to the State Assurance Fund (SAF).

**Informal and Formal Appeal Rights**

Pursuant to A.R.S. §49-1091, you have 30 days after receipt of this letter to request an informal appeal to this interim decision. Any informal appeal should contain specific portions of this interim decision with which you disagree. The informal appeal process also allows you to request a meeting with the ADEQ. Because ADEQ staff have completed its review of all available data relating to the referenced UST release(s) and unless you disagree by filing an informal appeal, the ADEQ will adopt this interim decision as a final decision 31 calendar days after you receive this letter. When this decision becomes final, you have the right to appeal this decision in accordance with A.A.C. R18-12-610 and A.R.S. §41-1092.02 et. seq.

If you have any questions concerning this correspondence, please contact the undersigned at 602-771-4298 or toll free within Arizona at 1-800-234-5677 extension 771-4298.

Sincerely,



David Burchard, Hydrologist  
 Site Investigation and Remediation Unit II  
 UST Corrective Action Section

Sincerely,



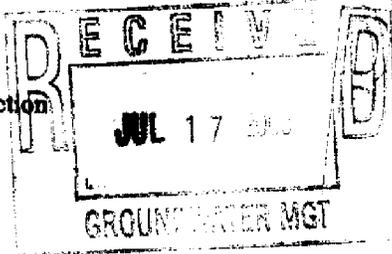
Kailash Bhatt, Manager  
 Site Investigation and Remediation Unit II  
 UST Corrective Action Section

NSO:DB2:fb3

Enclosure: Informal Appeal Form

c: SAF/CRU  
 Nichole Osuch, TSU, USTCA Section

Amoco Corporation  
 Attn: Patricia Stanton  
 Post Office Box 87707  
 Chicago, Illinois 60680



m:\wpdocs\closures\40408582.02

**ARIZONA DEPARTMENT OF WATER RESOURCES**

500 North 3rd Street, Phoenix, Arizona 85004

Telephone (602) 417-2470

Fax (602) 417-2422



**Janet Napolitano**  
Governor

**Herb Guenther**  
Director

July 21, 2003

JOE AGERS  
901 W MIRACLE MILE  
TUCSON, AZ 85705

Registration No. 55-586532  
File No. D(13-13) 35 BDA

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 "Monica Ortiz".

Monica Ortiz  
NOI Unit  
Water Management Support Section

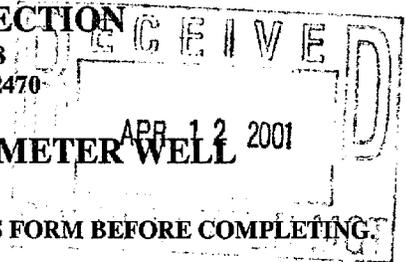
Enclosures





**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.

**1. Well/land Location:**

T13 N 13 R13 E/W 35  
Township Range Section  
NE 1/4 SE 1/4 NW 1/4  
10 Acre 40 Acre 160 Acre

**2. Position location of the well on the land:**

Latitude 32 ° 15 ' 38 "  
Longitude 110 ° 59 ' 12 "

**3. County:** Pima

**4. Owner of the well:**

Mr. Joe Agers  
Name  
901 W. Miracle Mile  
Mailing Address  
Tucson, AZ 85705  
City State Zip  
Telephone No. (520) 623-2515

**5. Lessee of the land of wellsite:**

N/A  
Name  
Mailing Address  
City State Zip  
Telephone No.

**6. Owner of the Land of Wellsite:**

Mr. Joe Agers  
Name  
901 W. Miracle Mile  
Mailing Address  
Tucson, AZ 85705  
City State Zip  
Telephone No. (520) 623-2515

**7. Consulting firm:**

ACT Environ. Tech., Inc.  
Name  
Anna Martin  
Contact Person  
Telephone No. (602) 944-3800

**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:**

May 7, 2001  
Month Day Year

**12. Period well will remain in use:**

3 Months/Years

**13. For monitoring wells, is pump equipment to be installed?**

Yes \_\_\_\_\_ No

(a) If yes, design pump capacity:

None

(b) What use will be made of the water:

None

**14. Drilling Firm:**

Geomechanics Southwest  
Name  
1212 S. 9th Street  
Mailing Address  
Phoenix, AZ 85034  
City State Zip  
(602) 252-0559  
Telephone No.  
ADWR No. 498  
DWR License Number  
079441 Class A-04  
ROC License Category

**\* FOR DEPARTMENT USE ONLY**

File No. D(13-13)35 BDA  
Filed 4-12-01 By W/B  
Input \_\_\_\_\_ By \_\_\_\_\_

**DUPLICATE**

Mailed 4-25-01 By W/B  
Registration 55-586532  
AMA/INA Tucson  
W/S 09 S/B 16  
MLO \_\_\_\_\_

*W-X*

**15. Proposed method of abandonment of well after project is completed:** Remove upper 20' of casing  
and backfill with grout, pursuant to R12-15-816.

**16. Is this well to monitor existing contamination?** yes Potential contamination: \_\_\_\_\_ Please explain: \_\_\_\_\_  
Investigation of former UST system

**17. If construction plans have been coordinated with Arizona Department of Environmental Quality, who is the agency contact?** \_\_\_\_\_  
Mr. John Burton

**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: 10 inches from 0 feet to 80 feet.
c) Casing materials (PVC, steel, hollow-stem auger, etc.) material Sch. 40 PVC diameter 4 inches from 0 feet to 50 feet.
d) Method of sealing at reductions N/A
e) Annular seal materials (cement, grout, etc.); method of placement (tremied, circulated): material cement/bent. grout method tremie from 0 feet to 46 feet.
f) Filter packs (state material): material 10x20 silica sand from 48 feet to 80 feet.
g) Perforations or screen specifications: Type 0.010" slot Sch. 40 PVC from 50 feet to 80 feet.
h) Method of well development (bail, air lift, surge) surge, bail, pump
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.

Mr. Joe Agers
Typed or Printed Name and Title Signature [x] 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.
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.

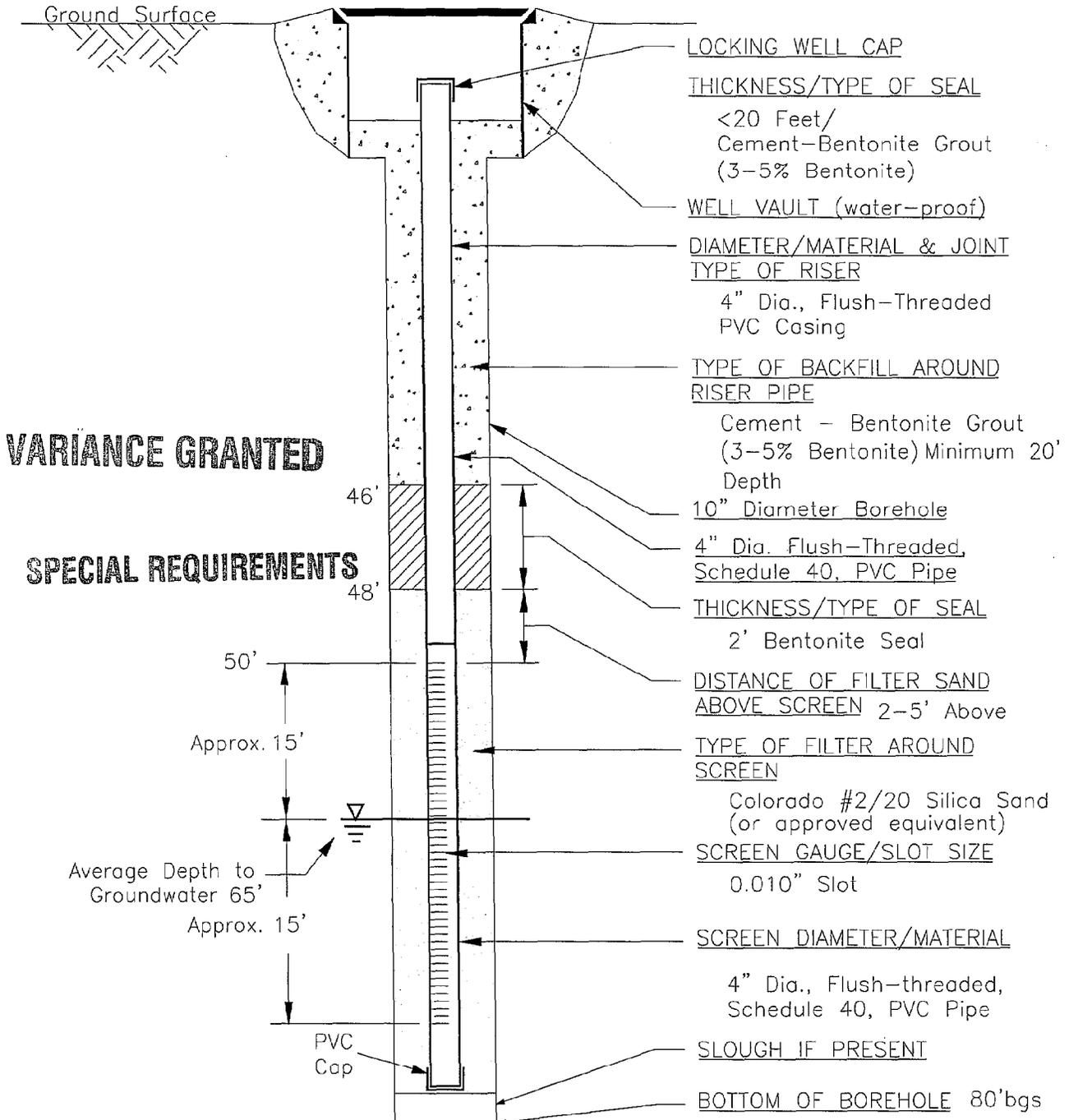
TIME FRAME FOR REVIEW OF YOUR APPLICATION

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:



NOT TO SCALE

**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: 55-586532

AUTHORIZED DRILLER: GEOMECHANICS SOUTHWEST, INC.

LICENSE NO: 498

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

WELL OWNER: JOE AGERS 901 W MIRACLE MILE TUCSON, AZ 85705

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

NE  $\frac{1}{4}$  of the SE  $\frac{1}{4}$  of the NW  $\frac{1}{4}$  Section 35 Township 13 SOUTH Range 13 EAST

No. of wells in this project: 1

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 11TH DAY OF APRIL, 2002

*AS*  
\_\_\_\_\_  
GROUNDWATER MANAGEMENT SUPPORT

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



April 5, 2001

Mr. Greg Wallace  
Hydrology Division  
Arizona Department of Water Resources  
500 North 3rd Street  
Phoenix, Arizona, 85004

**RE: Request for Variance – Monitor Well(s)**  
**Joe Agers – Pima County, AZ, T13N, R13E, S35 NE / SE / NW**

Dear Mr. Wallace:

Geomechanics Southwest, Inc. request variances for the construction of two (2) monitor well(s) at the above referenced site. All other construction practices will be in accordance with ADWR standards. The variances are as follows:

- Thermoplastic (PVC) inner casing (riser) with a locking watertight cap will be used in lieu of the required 20-foot steel surface casing. The riser will comply with ASTM Standard Guide D5092, Section 6.5. (R12-15-811.B.1) and
- The well will be installed in a vandal-proof, flush-grade, traffic-rated vault in lieu of above grade completion. (R12-15-811.B.1)(R12-15-811.I).

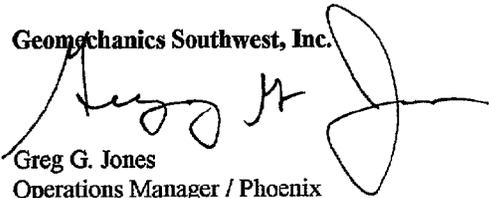
The Consultant that will be conducting the work is:

ACT Environmental Technologies, Inc.  
2432 W. Peoria Ave., Suite 1204  
Phoenix, AZ 85029-4736  
Ms. Anna Martin  
602-944-3800

If you have any questions, please call Anna Martin or myself. Thank you.

Sincerely,

**Geomechanics Southwest, Inc.**

  
Greg G. Jones  
Operations Manager / Phoenix  
ACT0405  
GGJ/sun

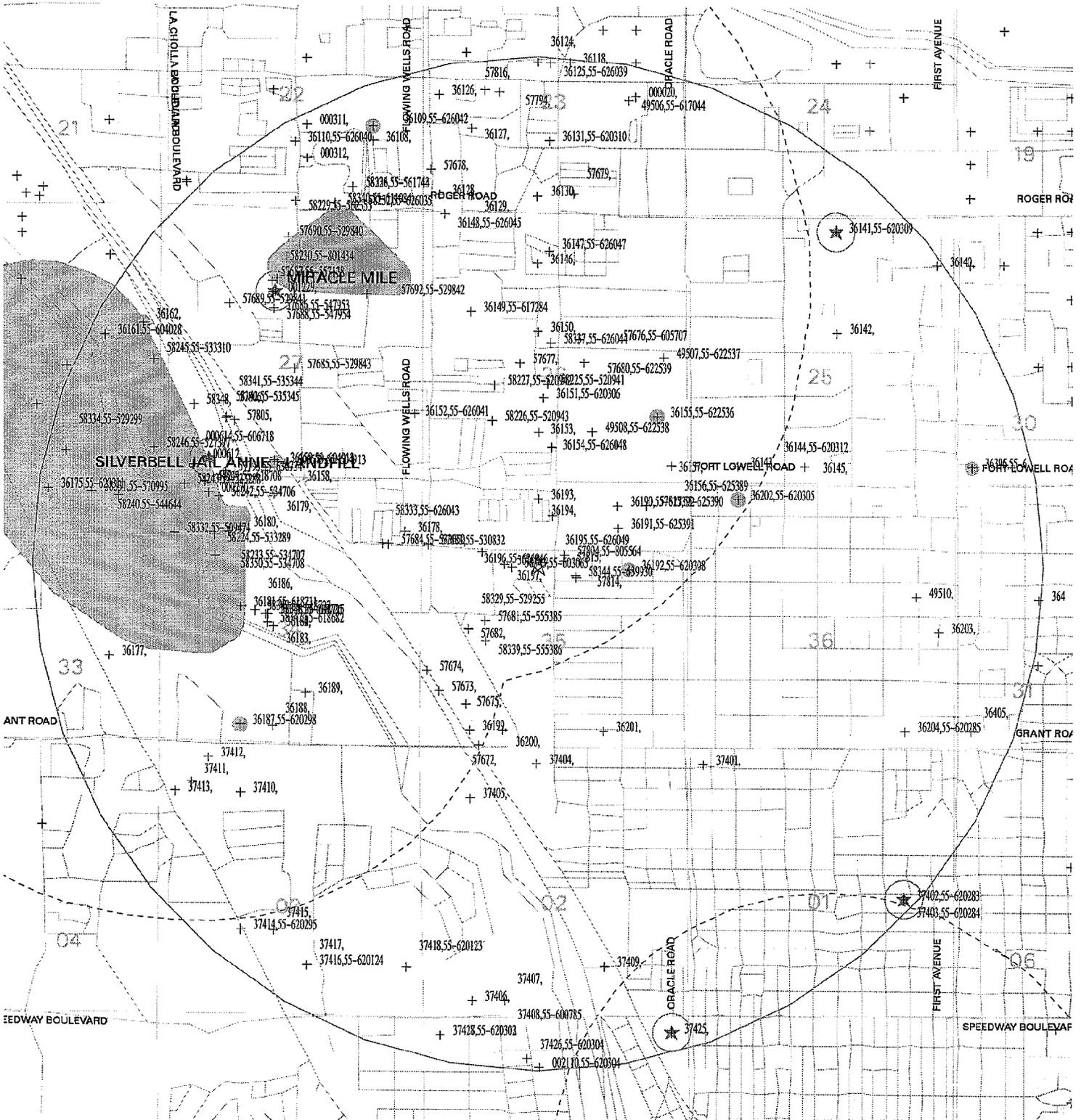
Working Together



Arizona Department of Environmental Quality



ARIZONA DEPARTMENT OF WATER RESOURCES



- 0 points > HBGL shown
- 8 points > Secondary MCL shown
- ★ 5 points > MCL shown
- + No Exceedances or Outside Radius

Water Quality Sample Test Results for  
ADEQ Wells within 10000 Feet of  
T 13.0 S R 13.0 E S 35 BDA

Printed 04/20/01 Scale 1:auto  
Map Number 010420112716

- - - - 1 Mile Buffer Around WQARF Sites
- WQARF Sites
- ~ Specified Radius
- ★ Specified Center Point

Information provided is preliminary and subject to revision. It may not represent the full extent of known water quality concerns.

**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 PEARSON  
MAGUIRE**  
Director

April 20, 2001

Geomechanics Southwest, Inc.  
Attn: Mr. Greg G. Jones  
7400 S. Nogales Highway, #4  
Tucson, Arizona 85706

**Re: Request for Variance for Two Monitor Wells  
Well Registry #55-586531 and 55-586532  
T13S, R13E, Section 35 BDA**

Dear Mr. Jones:

The Arizona Department of Water Resources (ADWR) received on April 12, 2001, your request for a variance in the construction of two monitor wells to be located in Pima County for Mr. Joe Agers. The purpose of this well is to monitor potential groundwater contamination associated with a former UST system.

ADWR approves the request for the following variance:

- Thermoplastic inner casing (riser) with a watertight cap may be used in lieu of the required 20-foot steel surface casing [R12-15-811(B)(1)].

The following *special requirements* are conditions for this variance (R12-15-821):

- 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. R12-15-816.

Any questions should be directed to Shannon Reif at 602-417-2400, x7270.

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 PEARSON  
MAGUIRE**  
Director

April 20, 2001

Mr. Joe Agers  
901 W. Miracle Mile  
Tucson, Arizona 85705

RE: Well Registration #55-586531 and 55-586532

Dear Mr. Agers:

The Department of Water Resources recently received your Notice of Intention to Drill two (2) monitor wells in Township 13 South, Range 13 East, Section 35. This location has been determined to be in proximity to a contaminated groundwater area known as the Silverbell Jail Annex Landfill Water Quality Assurance Revolving Fund (WQARF) remedial site.

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 well. 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. 3<sup>rd</sup> Street  
Phoenix, AZ 85004

Facsimile Number:  
(602) 417-2426

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

Sincerely,

A handwritten signature in cursive script that reads "Shannon L. Reif".

Shannon L. Reif  
Water Quality Section

**ARIZONA DEPARTMENT OF WATER RESOURCES**

500 North 3rd Street, Phoenix, Arizona 85004

Telephone (602) 417-2470

Fax (602) 417-2422



**JANE DEE HULL**

**Governor**

**RITA PEARSON MAGUIRE**

**Director**

JOE AGERS  
901 W MIRACLE MILE  
TUCSON, AZ 85705

Registration No. 55-586532

File No. D(13-13) 35 BDA

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

ages

WELL REGISTRY No. 55-586531-32

CADASTRAL LOCATION: D(13-13)35 BPA

Date Received 4-12-01

Date to Water Quality 4-13-01

Date Returned to GMSS 4-20-01

Date to Hydrology 4-20-01

Variance Letter Received

Yes

No

Well diagram Received

Yes

No

**TYPE OF WELL:**

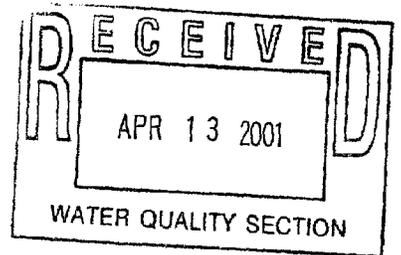
Monitor/Piezometer 2  
Domestic \_\_\_\_\_  
Geotechnical \_\_\_\_\_

Other \_\_\_\_\_  
NOI to Abandon \_\_\_\_\_

**WATER QUALITY - WOARF ANALYST COMMENTS:**

Dulling 2 monitor wells in the buffer zone of the Silver Bell Jail Annex landfill WOARF site

Site Map attached - Referred to Hydrologist   
Subbasin Map attached - Returned to GMSS



**WATER QUALITY APPROVAL:**

Granted   
Not granted \_\_\_\_\_  
Letter issued

Signature: Shannon L Bey

Date: 4-20-01

**HYDROLOGY DIVISION - WOARF HYDROLOGIST COMMENTS:**

55-586531 + 586532  
D(13-13)35 BPA

VARIANCE GRANTED  
SPECIAL REQUIREMENTS

**HYDROLOGY DIVISION APPROVAL:**

Granted   
Not Granted \_\_\_\_\_  
Letter Issued \_\_\_\_\_

Variance Not Required \_\_\_\_\_  
Granted   
Not Granted \_\_\_\_\_  
Letter issued

Signature: Shannon L Bey

Date: 4-20-01

LB