



**ARIZONA DEPARTMENT OF WATER RESOURCES**  
 Records Management Section  
 P.O. Box 458, Phoenix, Arizona 85001-0458  
 (602) 771-8527 \* (800) 352-8488  
 www.water.az.gov

## Well Abandonment Completion Report

- 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)

FILE NUMBER <b>A(1-5) 19 DDB</b>
WELL REGISTRATION NUMBER <b>55-505886</b>

\*\* PLEASE PRINT CLEARLY \*\*

JUL 23 2007

Drilling Firm	
NAME <b>GEOMECHANICS SOUTHWEST, INC.</b>	DWR LICENSE NUMBER <b>498</b>
ADDRESS <b>5839 S. BELVEDERE AVE</b>	TELEPHONE NUMBER <b>520-889-7787</b>
CITY / STATE / ZIP <b>TUCSON, AZ 85706</b>	FAX

Well Owner Information	
FULL NAME OF COMPANY, ORGANIZATION OR INDIVIDUAL <b>FREESCALE SEMICONDUCTOR INC</b>	CONTACT PERSON NAME AND TITLE
MAILING ADDRESS <b>2100 E ELLIOT RD MAIL DROP EL-614</b>	TELEPHONE NUMBER <b>480-413-5182</b>
CITY / STATE / ZIP <b>TEMPE, AZ 85284</b>	FAX
Location of Well	
WELL LOCATION ADDRESS (IF ANY) <b>NWC Broadway + Dobson</b>	LATITUDE <b>33° 24' 37.5" N</b>
	LONGITUDE <b>111° 52' 44.4" W</b>
TOWNSHIP (N/S)   RANGE (E/W)   SECTION   160 ACRE   40 ACRE   10 ACRE <b>1N   SE   19   SE 1/4   SE 1/4   NW 1/4</b>	LAND SURFACE ELEVATION AT WELL Feet Above Sea Level
COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK <b>134</b>   MAP <b>37</b>   PARCEL <b>001C</b>	METHOD OF LATITUDE / LONGITUDE (CHECK ONE) <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Hand-Held <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):

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) <b>A well in the Motorola mesa Groundwater remediation system</b>
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)	X		IF YES, PLEASE STATE <b>MW-1</b>
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?			<b>To be removed for future site development</b>

**BSI Job # 507-364**

Well Abandonment Completion Report

WELL REGISTRATION NUMBER  
55-505886

**SECTIONAL ORIGINAL WELL CONSTRUCTION DESIGN INFORMATION**

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	182	8	0	120	8	X					X				
			120	175	8	X						?		Screen type and interval not verified	

Condition of casing:  Good  Fair  Poor

**Existing Annular Material (to the best of your knowledge)**

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				

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

DEPTH TO WATER

≈ 96' Feet Below Land Surface

DATE ABANDONMENT COMPLETED

May 2, 2007

**Casing Treatment**      **Sealing or Fill Material**

DEPTH FROM SURFACE		TREATMENT TYPE (X)				DEPTH FROM SURFACE		MATERIAL TYPE (X)							MIXING RATIO by (check one) <input type="checkbox"/> Weight <input type="checkbox"/> Volume	VOLUME OF MATERIAL USED (cubic feet)		
FROM (feet)	TO (feet)	SOMAR 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	GROUT	CHIPS			PELLETS	SAND
71	120			X		1/4" 2 per foot	0	182	X									190
0	3				X													

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

- CHECK ONE
- Standard Method     Alternative 4:     Other (please specify)
- Alternative 1         Variance Option
- Alternative 2         Alternative 5:
- Alternative 3         Variance Option 1
- Variance Option 2

**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

John Porcell Jr., President

SIGNATURE OF QUALIFYING PARTY

Sandra Monroe for John Porcell Jr.

DATE

6/1/07

**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: 55-505886**

**AUTHORIZED DRILLER: GEOMECHANICS SOUTHWEST, INC.**

**LICENSE NO: 498**

**NOTICE OF INTENTION TO ABANDON AN EXPLORATION WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:**

**WELL OWNER: FREESCALE SEMICONDUCTOR INC 2100 E ELLIOT RD MAIL DROP EL-614 TEMPE, AZ 85284**

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

**NW ¼ OF THE SE ¼ OF THE SE ¼ SECTION 19 TOWNSHIP 1 NORTH RANGE 5 EAST**

**NO. OF WELLS IN THIS PROJECT: 1**

**ASSESSOR PARCEL NO: 134-37-001C**

**THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 3RD DAY OF APRIL, 2008**

  
**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

April 13, 2007



Janet Napolitano  
Governor

Herbert R. Guenther  
Director

FREESCALE SEMICONDUCTOR INC  
2100 E ELLIOT RD  
MAIL DROP EL-614  
TEMPE, AZ 85284

Registration No. 55-505886  
File No. A(1-5) 19 DDB

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.

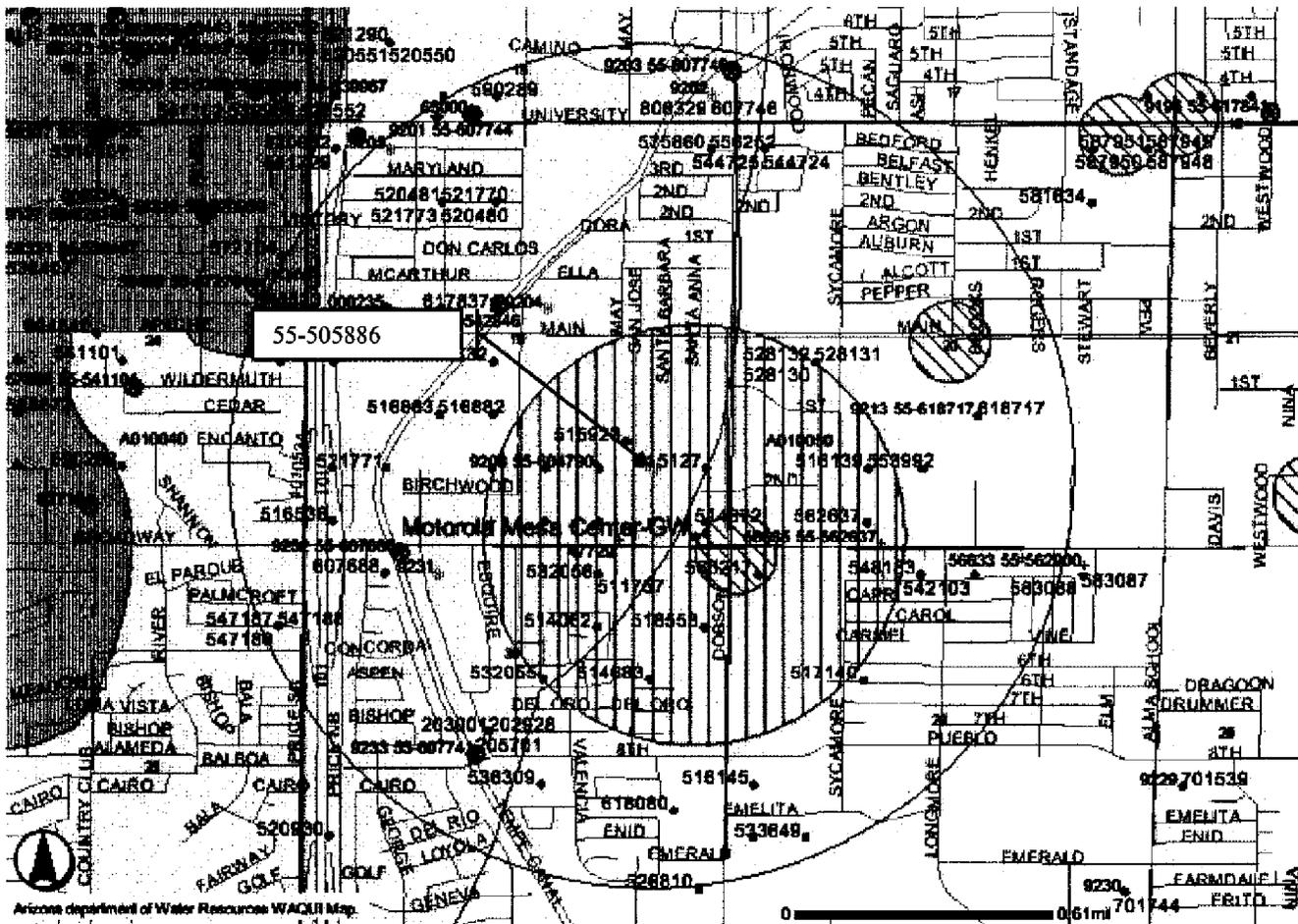
Sincerely,

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

Seandale Poe  
NOI Unit  
Water Management Support Section

Enclosures

**55-505886 / Freescale Semiconductor, Inc.  
NOI to Abandon, A(1-5)19DDB**



Arizona Department of Water Resources WQAR Map

Working Together



Arizona  
Department  
of Environmental  
Quality



Arizona  
Department  
of Water  
Resources

Map generated on 4/9/2007

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.

- Legend**
- Highlighted Feature
  - theBufferPolygons
  - theBufferTarget
  - ADEQ Wells
  - Wells > HGL
  - ⊕ Wells > Secondary MCL
  - ★ Wells > MCL
  - + No Exceedence
  - ◆ REGISTERED WELLS
  - Streets
  - Sections
  - Townships
  - ▨ GWR LUST Buffer
  - ▨ RCRA Site Buffer
  - ▨ VRP Site Buffer
  - Registry
  - 1 MI WQAR Buffer
  - ▨ WQAR Sites



**Notice of Intent to Abandon a Well**

WELL REGISTRATION NUMBER  
**55 - 505886**

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
0	182	8	0	120	8	X					X				
			120	175	8	X						?	Screen type and interval not verified		

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)											
DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE ( T )							FILTER PACK		
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	BENTONITE			IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
					GROUT	CHIPS	PELLETS				

**SECTION 6. PROPOSED WELL ABANDONMENT DESIGN (attach additional page if needed)** DATE ABANDONMENT IS TO BEGIN  
**May 15, 2007**

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

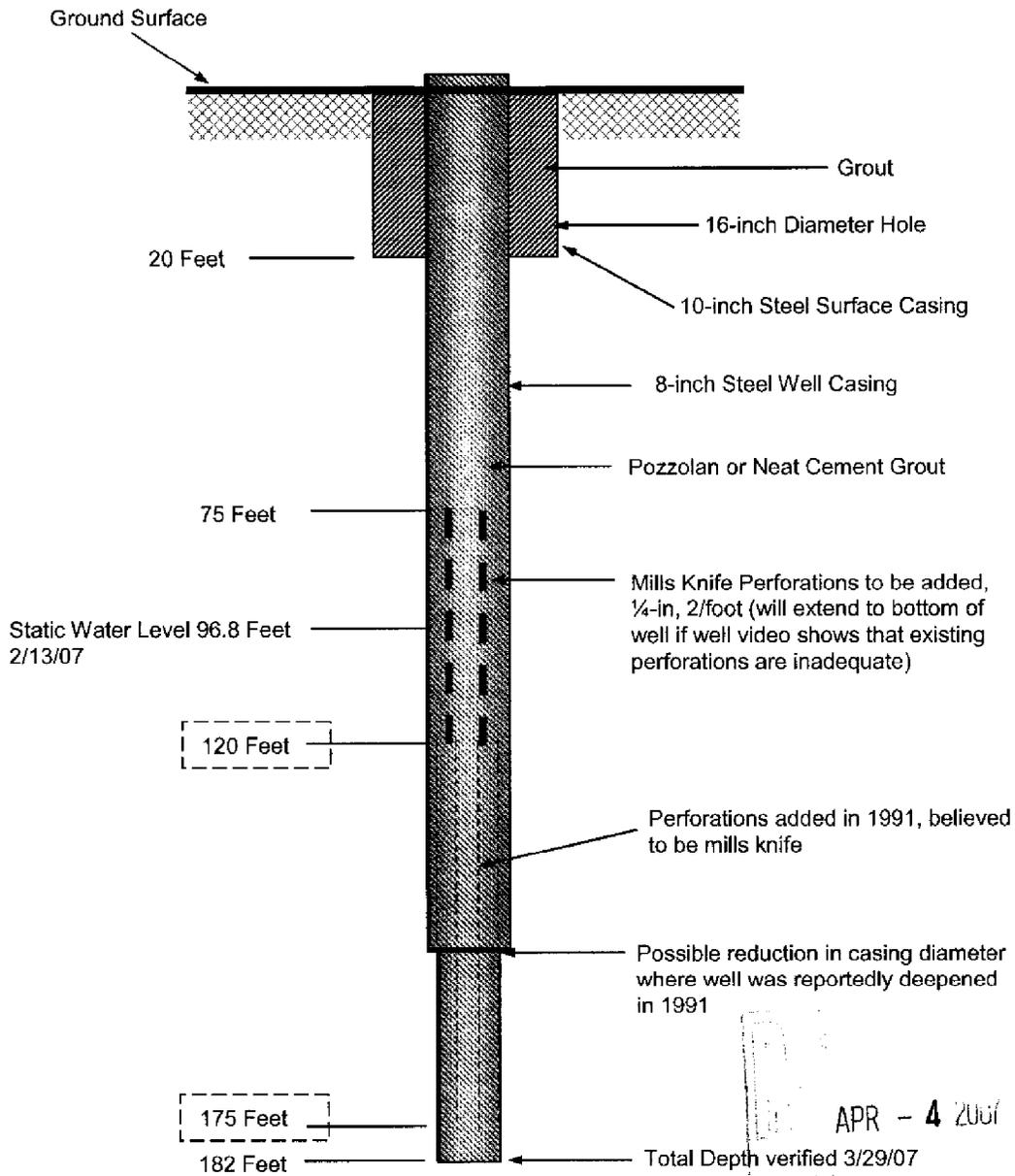
Casing Treatment					Sealing or Fill Material															
DEPTH FROM SURFACE		TREATMENT TYPE ( T )			DEPTH FROM SURFACE		MATERIAL TYPE ( T )						MIXING RATIO by (check one) <input type="checkbox"/> Weight <input type="checkbox"/> Volume	ESTIMATE D VOLUME OF MATERIAL (cubic feet)						
FROM (feet)	TO (feet)	SONARJET	BRUSH OR SCRAPER	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
78	120			X		1/4", 2/foot	0	182	X											82.6

<b>Proposed Abandonment Method</b> (See Well Abandonment Handbook) CHECK ONE <input type="checkbox"/> Standard Method <input 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 checked="" type="checkbox"/> Alternative 3 <input type="checkbox"/> Variance Option 1*    * requires a letter requesting a variance <input type="checkbox"/> Variance Option 2*	<b>Emplacement Method of Sealing or Fill Material</b> CHECK ONE <input type="checkbox"/> Gravity <input type="checkbox"/> Pressure Grouting <input checked="" type="checkbox"/> Tremie Pumped <input type="checkbox"/> Other (please specify):
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REMARKS

I state that this notice is filed in compliance with A.R.S. § 45-694 and A.A.C. R12-15-818 and is complete and correct to the best of my knowledge and belief.	
TYPE OR PRINT NAME AND TITLE <b>Jenn McCall, Remediation Program Manager</b>	SIGNATURE OF WELL OWNER <i>Jenn McCall</i> DATE <b>3/30/2007</b>
TYPE OR PRINT NAME AND TITLE <b>Ashley Powell, Manager</b>	SIGNATURE OF WELL OWNER, IF APPLICABLE (SEE INSTRUCTIONS) DATE <i>Ashley Powell</i> <b>4/3/2007</b>

# CONSTRUCTION/ABANDONMENT DIAGRAM



Not To Scale

APR - 4 2007  
CLEAR CREEK ASSOCIATES

**Notes:**

Casing was modified in 1991, though no ADWR records of modification exist. Original construction was 154 ft, open bottom, with no perforations.



**Former Motorola Mesa  
Facility**

**Monitor Well MW-1**

Mesa, Arizona



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

Request to Change Well Information

RECEIVED  
JUN - 1 2004  
Information Management

FILE NUMBER  
WELL REGISTRATION NUMBER  
55 - 505886

- Review instructions prior to completing form in black or blue ink.
  - You must include with your Notice:
    - check or money order for any required fee(s)
  - Authority for fee: A.A.C. R12-15-151(B)(4)(a), A.R.S. § 45-113(B)
- \*\* PLEASE PRINT CLEARLY \*\*

**SECTION 1. REGISTRY INFORMATION**

<b>Well Owner</b>		<b>Location of Well</b>					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Freescale Semiconductor, Inc.		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS Mail Drop EL-614 2100 E. Elliot Road		TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
CITY / STATE / ZIP CODE Tempe, AZ 85284		IN	SE	19	SE ¼	SE ¼	NW ¼
CONTACT PERSON NAME AND TITLE Tom Suriano, Remediation Program Manager		LATITUDE			LONGITUDE		
TELEPHONE NUMBER 480-413-5182	FAX 480-413-3100	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK 134 MAP 37 PARCEL 001C		COUNTY WHERE WELL IS LOCATED Maricopa County					

**Type of Request (CHECK ONE)**

Change of Well Drilling Contractor (Fill out Section 2)

Change of Well Ownership (Fill out Section 3)

Change of Well Information (location, use, etc.) (Fill out Section 4)

**SECTION 2. REQUEST TO CHANGE WELL DRILLING CONTRACTOR (\$10 Fee Required)**

If drilling or abandoning a well, the Department must receive this request and issue authorization to the new drilling firm prior to the commencement of well drilling or abandonment.

**\$10 FEE**

<b>Current Well Drilling Contractor</b>		<b>New Well Drilling Contractor</b>	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL		FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	
DWR LICENSE NUMBER		DWR LICENSE NUMBER	ROC LICENSE CATEGORY
TELEPHONE NUMBER	FAX	TELEPHONE NUMBER	FAX

**SECTION 3. STATEMENT OF CHANGE OF WELL OWNERSHIP (\$10 Fee Required)**

If this change pertains to more than one well and the names are the same, only one \$10 fee is required.

**\$10 FEE**

<b>Previous Well Owner</b>		<b>New Well Owner</b>	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL MOTOROLA INC.		FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Freescale Semiconductor, Inc.	
MAILING ADDRESS 2200 W. Broadway		MAILING ADDRESS Mail Drop EL-614 2100 E. Elliot Road	
CITY / STATE / ZIP CODE Mesa, AZ 85202		CITY / STATE / ZIP CODE Tempe, AZ 85284	
CONTACT PERSON NAME AND TITLE Tom Suriano, Remediation Program Manager		CONTACT PERSON NAME AND TITLE Tom Suriano, Remediation Program Manager	
TELEPHONE NUMBER 480-413-5182	FAX 480-413-3100	TELEPHONE NUMBER 480-413-5182	FAX 480-413-3100

**SECTION 4. CHANGE OF WELL INFORMATION (No Fee Required)**

**NO FEE**

**NOTE:** Applies only to wells that have already been drilled. For proposed wells, an amended Notice of Intent to Drill a Well must be filed.

EXPLAIN

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief.

TYPE OR PRINT NAME AND TITLE  
Tom Suriano, Remediation Program Manager

SIGNATURE OF WELL OWNER  
*Tom Suriano*

DATE  
5/27/04

CLEAR CREEK ASSOCIATES PLC  
GENERAL ACCOUNT  
2150 EAST HIGHLAND AVE., SUITE 201  
PHOENIX, AZ 85016

BANK OF AMERICA  
02316 AZ  
91-170-1221

007441

CHECK NO.

Exactly Ten and no / 100 Dollars

DATE  
5/28/2004

AMOUNT  
\$10.00

Arizona Department of Water Resources  
500 N. 3rd Street  
Phoenix AZ 85004

AY  
THE  
DER

MP



May 26, 2004

Arizona Department of Water Resources  
Groundwater Management Support Section  
PO Box 458  
Phoenix, AZ 85001-0458

**RE: Request to Change Well Information - Change of Well Ownership  
Former Motorola facility, Mesa, AZ**

Motorola Inc. is spinning off its semiconductor sector into a new company and, as part of the business reorganization to support the separation, Freescale Semiconductor, Inc. was created as a wholly-owned subsidiary of Motorola Inc. As part of the separation, Freescale Semiconductor has agreed to implement the groundwater remediation at the former Motorola Mesa facility area on behalf of Motorola.

Enclosed are the completed Request to Change Well Information forms for the wells that are part of the groundwater-monitoring network for the former Motorola facility in Mesa. Section 3, Statement of Change of Well Ownership, has been completed for each of these wells that were owned by Motorola but will now be under the ownership of Freescale Semiconductor, Inc.

My new contact information is listed below. Please feel free to contact me if you have any questions.

Sincerely,

Thomas R. Siriano  
Remediation Program Manager  
Freescale Semiconductor, Inc.  
2100 E. Elliot Road  
Mail Drop EL-614  
Tempe, AZ 85284  
480-413-5182 (phone)  
480-413-3100 (fax)

55-505886  
A(1-5)19 DCA

**ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION**  
500 North Third Street, Phoenix, Arizona 85004  
Telephone 602 417-2470  
Fax 602 417-2423



JANE DEE HULL  
Governor

JOSEPH C. SMITH  
Director

June 18, 2001

Arizona Business Gazette  
Legal Advertising Department  
P. O. Box 1950  
Phoenix, Arizona 85001

RE: Motorola Incorporated, Poor Quality Application No. 59-586182

The Department of Water Resources requests that the enclosed legal notice be published in your newspaper on the following dates:

June 28, 2001 and July 5, 2001

Please publish the notice per our purchase order number 24715. Please return two affidavits of publication, with your billing to the Department of Water Resources, to the attention of the Administration Division.

The Department of Water Resources is required to publish legal notice of the referenced application by statute. If for any reason the legal notice must be published on dates other than those requested, please notify me at once at 602-417-2470 as it will require a change in the text of the notice.

Thank you for your cooperation in this matter.

Sincerely,

  
Darlene Sumpter-King  
Water Resource Specialist

Enclosure

cc: Scott Miller, Phoenix Active Management Area  
Rose Mae Nokes, ADWR Legal Services  
(14) Files

**LEGAL NOTICE**  
**ARIZONA DEPARTMENT OF WATER RESOURCES**  
**BEFORE THE DIRECTOR**

In the matter of Application No. 59-586182 for a permit to withdraw poor quality groundwater located within the East Salt River Valley Sub-basin of the Phoenix Active Management Area.

The Director gives notice that Motorola Incorporated, has filed the above referenced application for a permit to withdraw poor quality groundwater pursuant to Arizona Revised Statutes, Title 45, Chapter 2, Article 7, § 45-516. It is the applicant's intent to use water withdrawn under this application for process water for semiconductor manufacturing or cooling tower makeup. The applicant intends to withdraw groundwater from 14 wells already in existence. The wells are located within portions of Sections 19, 29, and 30, Township 1 North, Range 5 East, GSRB&M. A total of 1170-acre feet per annum has been requested for a 20 year period. Copies of the application, including maps, are available for inspection in the Phoenix Active Management Area office and the Groundwater Management Support Section of the Department of Water Resources, 500 North Third Street, Phoenix, Arizona 85004.

Objections to the issuance of the permit may be filed by persons adversely affected by the project and must be filed, in writing, with the Docket Supervisor of the Department of Water Resources, Legal Division, 500 North Third Street, Phoenix, Arizona 85004, within fifteen (15) days after the last day of publication of this notice. For this application, the final date on which an objection may be filed is July 20, 2001.

Objections are limited to whether the application meets the criteria of Arizona Revised Statutes § 45-516. An objection shall state the name and mailing address of the objector, be signed by the objector, his agent or attorney and must clearly set forth the reasons why the permit should not be issued.

Issued this 18th day of June, 2001  
Joseph C. Smith  
Director

Publication Dates:

June 28, 2001 and July 5, 2001

**ARIZONA DEPARTMENT OF WATER RESOURCES  
PURCHASE REQUISITION/ORDER**

P.O. # **24715**

**JUNE 5, 2001**

DATE  
**DARLENE SUMPTER KING 7169**

AZ CONTRACT # NOT VALID WITHOUT AUTHORIZED  
PROCUREMENT SIGNATURE

REQUESTOR PHONE EXT.

PURCHASING SIGNATURE DATE

VENDOR:  
ARIZONA BUSINESS GAZETTE  
LEGAL ADVERTISING DEPT  
P.O. BOX 1950  
PHOENIX, ARIZONA 85001

SHIP TO / BILL TO:  
ARIZONA DEPT OF WATER RESOURCES  
500 NORTH THIRD STREET  
PHOENIX, ARIZONA 85004

LINE	QTY	UNIT	PART NO.	DESCRIPTION	UNIT PRICE	EXTENDED PRICE
1	1	EACH		LEGAL PUBLICATION NOTICE FOR MOTOROLA INCORPORATED 59-586182	(60)	
				PUBLICATION DATES: June 28, 2001 AND JULY 5, 2001		

REMARKS: (PROCUREMENT USE ONLY)	SUBTOTAL
	TAX
	FREIGHT
	TOTAL

BATCH HEADER				BATCH HEADER				VENDOR(11)		MC(3)	DOC DATE(6)		EFF DATE (6)	
AGCY(3)	DATE(6)	TYPE(1)	NO(3)	AGCY(3)	DATE(6)	TYPE(1)	NO(3)				/ /		/ /	
CUR DOC (8)		SFX (3)	REF DOC (8)		SFX (3)	MOD(1)	AGY(3)	TC(3)	INDEX(5)	PCA(5)	AY(2)	COMP OBJ(4)	AGY OBJ(4)	
AMOUNT \$(11) (2)		R(1)	DISC \$(11) (2)		FO(1)	PDT(2)	DOC AMT \$(11) (2)		CI(1)	PROP NO(10)				
INV NO (14)		DATE(6)		DESCRIPTION (30)				CONT NO (10)		WARRANT NO (9)		APPN NO (5)		FUND (4)
COMP GL (4)	AGY GL (8)		GRANT NO. (6)		PH(2)	PROJ NO (6)		PH(2)	MPCD (10)		AGY CD-1(4)	AGY CD-2(4)	AGY CD-3(6)	

I have examined this claim and certify that the expenditure is for a valid public purpose and that funds have been appropriated or are otherwise available for payment of this claim, and if the available funds are from federal grant contract or source, this claim is allowable under the terms of such grant, contract or source, and payment of the amount claimed is hereby approved.

**LAWRENCE RAMSEY, UNIT MANAGER**

Printed Name

*Lawrence Ramsey* Signature  
6/18/01 Date

I hereby certify under penalty of perjury that the items invoiced above have been received and inspected, that the quantities are as stated and the condition is satisfactory.

Printed Name

Signature

Date

WHITE - VENDOR

GREEN - ACCOUNTING

CANARY - ACCOUNTING

PINK - RECEIVING

GOLDENROD - REQUESTOR SUSPENSE

505886 A-1-5 19 00B

ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION

500 North Third Street, Phoenix, Arizona 85004  
Telephone 602 417-2470  
Fax 602 417-2423



JANE DEE HULL  
Governor

JOSEPH C. SMITH  
Director

August 27, 2001

Motorola Inc. (Mesa Center)  
ATTN: Thomas Suriano  
3102 North 56<sup>th</sup> Street M/S: 56-128  
Phoenix, Arizona 85018

Re: Permit to Withdraw Poor Quality Groundwater No. 59-586182

Dear Permittee:

Your permit as referenced above is enclosed for your records. Please take a moment to review the limitations and conditions of the permit, including monitoring and reporting requirements.

Pursuant to the provisions of A.R.S. § 45-604; any person withdrawing groundwater from a well is required to use a water measuring device to record rates of withdrawal in order to provide or allow the computation of an annual volume of pumpage from the well. The total volume of pumpage shall be reported on an annual report. The annual report shall be submitted no later than March 31 following the end of each completed annual reporting period. Subsequent annual report periods shall be January 1 through December 31.

Under A.R.S. § 45-593, the person to whom a well is registered must notify this Department of any changes in ownership, status or physical characteristics of the well to keep the well registrations records current and accurate. For such future use, Change of Well Information/Ownership forms are enclosed. Any change in ownership of the permit must be in accordance with A.R.S. § 45-520.B.

Your permit has been issued by this Department without a hearing. As such, it is an appealable agency action. You are entitled to appeal and your rights are described in the enclosed notice of right to appeal.

If you have any questions about the special conditions of your permit, please call Scott Miller of the Phoenix AMA office at 602-417-2465. If you have any other questions, please call me at 602-417-2470.

Sincerely,

Darlene Sumpter-King  
Water Resource Specialist

Enclosure

cc: Scott Miller, Phoenix Active Management Area  
Shannon Reif, ADWR Water Quality Assurance Program  
Arizona Department of Environmental Quality



Authorized Points of Withdrawal: As referenced in Table 2

Authorized Use of Groundwater: Contaminated groundwater will be treated and utilized on site either in the facility cooling towers or in the production of semiconductors.

Authorized Place of Use for Groundwater Withdrawn: Section 19 Township 1 North, Range 5 East, GSRB&M.

Duration of permit: From August 27, 2001 to August 26, 2021.

**Permit Conditions**

1. The poor quality groundwater, to be withdrawn by the Permittee, will be pumped and treated through a vacuum degasifier and an activated carbon adsorption unit to remove volatile organic compounds. Once remediated, the groundwater will be utilized on site either in the facility cooling towers or in the production of semiconductors.
2. For the purpose of this permit, poor quality groundwater is defined as groundwater containing the following water quality parameters at concentrations meeting or exceeding the indicated United States Environmental Protection Agency (US EPA) Maximum Contaminant Level (MCL) or proposed MCL (MCLp) for that parameter:

**TABLE 1: Water Quality Parameters**

<b>Parameter:</b>	<b>Poor Quality Indicator Level (µg/l):</b>	<b>Agency &amp; MCL or MCLp:</b>
Trichloroethene (TCE)	5.0	EPA/MCL
Tetrachloroethene (PCE)	5.0	EPA/MCL
1,1-Dichloroethylene (DCE)	7.0	EPA/MCL

The contaminant levels listed above are to be used by the Arizona Department of Water Resources (ADWR) and the Permittee as an indicator that the groundwater is of poor quality. These levels do not constitute an ADWR "clean-up" standard. If groundwater contaminant levels drop below the indicator level, the ADWR may terminate this permit.

The contaminant levels will be reviewed annually by the ADWR to identify any changes that may have been promulgated during the previous year. The ADWR will notify the Permittee of any changes to the permit in writing.

3. The issuance of this permit does not constitute endorsement of the assertions or findings of investigations and studies submitted by the permit holder as part of its applications, nor as part of its other efforts to date to delineate the area and extent of contamination or to delineate contamination source or responsibility. Issuance of this permit does not waive application of any federal, state, county or local laws, rules or permits.
4. The Permittee shall take groundwater samples at the sample port of the extraction well head or prior to a point of confluence with another source of groundwater.
5. The Permittee shall sample and analyze groundwater samples taken from the wells listed in Table 2. In addition, the Permittee shall measure groundwater levels in all wells listed in Table 2. All groundwater levels shall be measured to within an accuracy of at least 0.1-foot, and each groundwater level measurement shall be related to an established survey point at each well. The frequency of sampling and monitoring is indicated on Table 2.

**Table 2: Water Quality Sampling and Water Level Monitoring**

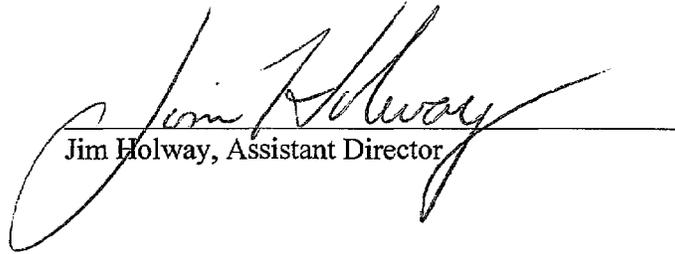
<b>Facility Well Number</b>	<b>ADWR Well Registration Number (55#)</b>	<b>Water Level Monitoring Frequency</b>	<b>Water Quality Sampling Frequency</b>
MW-1	55-505886	Quarterly	Semi-Annually
MW-2	55-531985	Quarterly	Semi-Annually
MW-4	55-531984	Quarterly	Semi-Annually
MW-5	55-506681	Quarterly	Semi-Annually
MW-7	55-511757	Quarterly	Semi-Annually
MW-8	55-531983	Quarterly	Semi-Annually
MW-10	55-514062	Quarterly	Semi-Annually
MW-15	55-516145	Quarterly	Quarterly
MW-17	55-518325	Quarterly	Semi-Annually
MW-20	55-518553	Quarterly	Quarterly
MW-21	55-519505	Quarterly	Quarterly
MW-23	55-526810	Quarterly	Quarterly
MW-24	55-533948	Quarterly	Quarterly
MW-26	55-536309	Quarterly	Quarterly

6. The Permittee shall follow sampling and preservation techniques accepted by the US EPA and the ADEQ. All samples shall be analyzed using approved US EPA methodologies by a laboratory certified by the State of Arizona.

7. In the event of a restart of the wells after non-use of the wells for thirty (30) days or more, the Permittee shall measure groundwater levels in all wells.
8. The Permittee shall use an approved water measuring device and method as required by A.R.S. § 45-604 and A.A.C. R12-15-902 and R12-15-903 and monitor extracted groundwater pumpage rates and volumes continuously at the well heads.
9. The Permittee shall provide to the ADWR, on a semi-annual basis, groundwater quality data reports during each year of the permit. Any groundwater quality analyses that indicate the groundwater sampled cannot be defined as poor quality groundwater as outlined under permit condition No. 2 shall be clearly identified in the semi-annual groundwater quality data reports
10. The semi-annual groundwater quality data reports shall contain a comprehensive summary and analysis of all water quality, water level, and water volume data collected during the prior data reporting period that describes the efficiency of the remedial action. The comprehensive analysis shall include a discussion of any projected off-site impacts.
11. The semi-annual groundwater quality data reports shall contain any proposed amendments to the permit by the Permittee including proposed changes to the monitoring and reporting schedules. All proposed amendments are subject to approval by the Director and may be either approved, amended, or rejected in writing within ninety (90) days after receipt of the semi-annual groundwater quality data report.
12. The Permittee shall submit its semi-annual groundwater quality data report no later than thirty (30) days following receipt of the final laboratory results after the end of the completed semi-annual data-reporting period.
13. The Permittee shall file an "Annual Water Withdrawal and Use Report" as required under A.R.S. § 45-632 in addition to the semi-annual groundwater quality data reports as required by the conditions of this permit. The first annual reporting period shall commence on the date of issuance of the permit and end on December 31 of this calendar year. The Annual Water Withdrawal and Use Report shall be filed no later than March 31 for the prior calendar year. Subsequent annual report periods shall be for each year that the permit is in effect.
14. The Permittee shall send all semi-annual groundwater quality data reports to the ADWR, Water Quality Section, 500 North Third Street, Phoenix, Arizona 85004. The Permittee shall send the Annual Water Withdrawal and Use Report to the ADWR, Records Management Unit, 500 North Third Street, Phoenix, Arizona 85004.

15. Any semi-annual groundwater quality data reports found to be deficient shall be returned to the Permittee for revision, and shall be resubmitted to the Department within thirty (30) days.
16. The Permittee shall notify the Director in writing no later than ten (10) days after becoming aware of any permit noncompliance. The Permittee shall submit a written report within thirty (30) days documenting the noncompliance in detail.

WITNESS my hand and seal of office this 27th day  
of August, 2001.

  
Jim Holway, Assistant Director

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. Owner Motorola Inc.  
Name  
2200 West Broadway Mesa Ariz 85202  
Address

2. Lessee or Operator \_\_\_\_\_  
Name  
Address

3. Driller Bert Perry Drilling  
Name  
5338 E Apache Trail Mesa Ariz 85202  
Address

4. Location of well: T1N R5E sec 19 NW 1/4 SE 1/4 SE 1/4

5. Permit No. 55-505886  
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 2-315 1/2 ft.

7. Type of Casing Steel

8. Diameter and length of casing 10 in. from 0 to 20, 8 in from 0 to 9.153' 8"

9. Method of sealing at reduction points \_\_\_\_\_

10. Perforated from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_

11. Size of cuts \_\_\_\_\_ Number of cuts per foot \_\_\_\_\_

12. IF screen was installed: Length \_\_\_\_\_ Diam \_\_\_\_\_ in. Type \_\_\_\_\_

13. Method of construction drilled  
drilled, dug, driven, bored, jetted, etc.

14. Date started 7 25 83  
Month day year

15. Date completed 9 1 83  
Month day year

16. Depth to water 106.5 ft. (If flowing well, so state.)

17. Describe point from which depth measurements were made, and give sea-level elevation if available.  
Ground level.

18. If flowing well, state method of flow regulation \_\_\_\_\_

19. REMARKS: \_\_\_\_\_

DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
Registration No.	<u>55-505886</u>
Received	By _____
Entered	<u>2-15-84</u> By _____
File No.	<u>A(1-5)198db</u>

Pumped 30 GPM.

(Well log to appear on Reverse side)

*Handwritten note:* 2/15/84



BERT PERRY DRILLING  
 5338 E Apache TR  
 Mesa AZ 85205

STATE OF ARIZONA  
 DEPARTMENT OF WATER RESOURCES  
 WATER RIGHTS ADMINISTRATION  
 99 EAST VIRGINIA  
 PHOENIX, ARIZONA 85004

MICROFILMED

RECEIPT

KIND ENTRY	FILE REFERENCE NO.
55	505886
	THRU
55	505887

MOTOROLA

FUND SOURCE	ACCOUNT NO.			INT ACCT	ITEM DESCRIPTION	RATE	\$ AMOUNT
	AGENCY	CHAPTER	DIV.				
					FILING FEE FOR NOTICE OF INTENTION TO DRILL	10.00	20.00
					(2) EXEMPT WELLS		
					FILE#A(1-5) <sup>dcd</sup> <del>19245</del> Reg#55-505886		WRITER PAYMENT
					A(1-5) 19 <sup>dcd</sup> <del>245</del> Reg#55-505887		QUESTS 2
							CHK NO 0
							55-I 20.00
							TAX 0.00
							TOTL 20.00
					CASH		GEN. CASH 20.00

7/18/84/ek

TOTAL

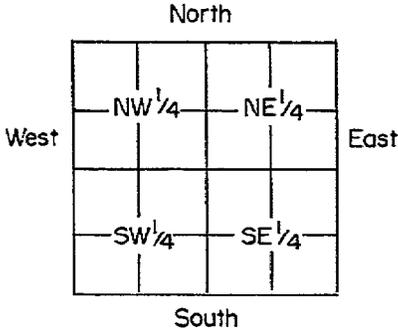
# 9522 0	15:19
\$	20.00

EXEMPT WELL  
FILING FEE: \$10.00

DEPARTMENT OF WATER RESOURCES  
NOTICE OF INTENTION TO DRILL OR DEEPEN  
AN EXEMPT WELL

EXEMPT WELL

Section 45-596, Arizona Revised Statutes, provides: A person may not drill or cause to be drilled any well or deepen or replace an existing well without first filing a Notice of Intention to Drill with the Department on a form prescribed and furnished by the Department. The well shall be completed within one year after the date of Notice. An exempt well means a well having a pump with a maximum design capacity of not more than 35 gallons per minute which is used to withdraw groundwater. An exempt well may include the non-commercial irrigation of less than 2 acres of land.



-Indicate Well Location by X  
(Above diagram represents one  
640 acre section)

WELL/LAND LOCATION:

- 1. Township 1N
- 2. Range 5E
- 3. Section 19
- 4. NW 1/4 SE 1/4 SE 1/4  
10 acre sub-division
- 5. County Maricopa
- 6. Owner of Well:  
Motorola

Name 2200 W 15th Way  
Bronckwyck T. Robson  
Address  
Mesa Ariz 85202  
City State Zip  
7. Owner of Land:  
Motorola Corp  
Name  
Address  
City State Zip

DESCRIPTION OF WELL:

- 8. Diameter 8'
- Depth 250'
- 9. Type of Casing Steel

10. Principal use of Water.  
Monitor

11. Other uses Intended

(If for non-commercial irrigation, state approximate area being cultivated.)

12. Construction will start about:  
7 83  
Month Year

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD  
FILE NO A(1-5)19dab  
FILED 7-18-83 BY PK  
INPUT 7.26.83 BY PK  
DUPLICATE MAILED 7-18-83 BY PK  
REGISTRATION NO 55-565886  
AMA NON EXPANSION AREA PK

PLACE OF USE:

- 13. Township 1N
- 14. Range 5E
- 15. Section 19
- 16. Legal description of land water is to be used on:

17. Design Pump Capacity

30 gpm

18. Action Requested:

- Drill X
- Deepen
- Replace

19. This notice filed by:

- Owner
- Lessee
- Driller X

Bert Perry Drilling

Name 5338 E Apache Tr.  
Address  
Mesa Ariz 85205  
City State Zip

20. Drillers Name:

Gene City  
Name  
315 S 82nd Way  
Address  
Mesa Ariz 85208  
City State Zip

113  
Department License Number

- 1. Fill out this form in duplicate and mail to P.O. Box 2600, Phoenix, Arizona, 85002, or deliver to 99 East Virginia, Suite 100, Phoenix, Arizona 85004.
- 2. If the Exempt Well is in fact a replacement (or deepening) well, state the registration number of the existing well.
- 3. Construction standards for new and replacement wells and the deepening and abandonment of existing wells, shall be in accordance with Department Rules and Regulations.

I, Bert Perry, state that the construction will be under the direct and personal supervision of the well driller designated on this form and that the designated driller holds a contractors license pursuant to ARS 45-595.

7-18-83  
Date

Bert Perry  
Signature of Person Filing

State of Arizona

DEPARTMENT OF WATER RESOURCES

99 E Virginia Avenue, Phoenix, Arizona 85004



July 25, 1983

BRUCE BABBITT, Governor  
WESLEY E. STEINER, Director

Ed Petoskey  
Motorola Inc.  
2200 West Broadway  
Mesa, Arizona 85202

Re: Notice of Intention to Drill Registration Nos. 55-505886  
and 55-505887

Dear Mr. Petoskey:

By this special letter, we are transmitting documents relating to the drilling of the referenced two wells.

These wells are being approved for drilling as exploration wells for monitoring purposes under the provisions of draft rule R12-15-802.

Authority is granted under the conditions which you stated in your letter of July 22, 1983, namely:

1. Each well will be limited to a pump design capacity of not more than 30 gallons per minute and only one well will be operated at a time.
2. Pump testing will be limited to one hour at each well during a three month period.
3. Locking covers will be installed on each well.

An added condition will be that if pumping for this monitoring purpose must be extended beyond one year, the applicant will so notify this Department to obtain additional authorization.

All appropriate requirements of Article 8 of the Department's proposed well construction standards including abandonment procedures will be followed.

Sincerely,

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

Richard A. Gessner  
Chief, Operations Division

RAG:et  
Enclosures

Think Conservation!

Office of Director 255 1554

Administration 255 1550, Water Resources and Flood Control Planning 255 1566, Dam Safety 255 1541,  
Flood Warning Office 255 1548, Water Rights Administration 255 1581, Hydrology 255 1586.

MICROFILMED



Registration No. 55-505886 **INPUT**  
Owner of 12-7-83  
Well Site MOTOROLA  
File No. A(1-5)19ddb *gfc*

COMPLETION REPORT

1. Completion report to be filed with the Department within 30 days after installation of pump equipment.
2. The tested pumping capacity of the well in gallons per minute for a non-flowing well should be determined by measuring the discharge of the pump after continuous operation for at least 4 hours and for a flowing well by measuring the natural flow at the land surface.
3. Drawdown of the water level for a non-flowing well should be measured in feet after not less than 4 hours of continuous operation and while still in operation and for a flowing well the shut-in pressure should be measured in feet above the land or in pounds per square inch at the land surface.
4. The static groundwater level should be measured in feet from the land surface immediately prior to the well capacity test.

LOCATION OF THE WELL

TIN, R SE, Sec 19, NW 1/4, SE 1/4

Date Well Completed 8/23/83 Depth of Well 152

1. Well Test:  
Test Pumping Capacity 30 Date Well Tested 8/23/83  
(Gal. per min.)

Method of Discharge Measurement 5 gal bucket + Stop Watch  
(weir, orifice, current meter, etc.)

Static Groundwater Level 105 ft. Drawdown 5 ft.

Total Pumping Lift 105 ft. Drawdown \_\_\_\_\_ lbs.  
(Flowing Well)

2. Equipment Installed:

Kind of Pump Submersible  
(turbine, centrifugal, etc.)

Kind of Power Elec H.P. Rating of Motor 3 H.P.  
(Elec., Nat. Gas, Etc.)

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief.

Gene Clay  
Signature

315 S 82nd Way  
Address

11-6, 1983  
Date

mes Ariz 85208  
City State Zip

MICROFILMED