

55-505887

A 1-5 19 020

**CLEAR  
CREEK  
ASSOCIATES**

6155 E. Indian School Road  
Suite 200  
Scottsdale, Arizona 85251

Tel 480 659 7131  
Fax 480 659 7143

## TRANSMITTAL



**To:** Creola Lasky

**Company:** ADWR - Water Management Support Section  
500 N. 3rd Street  
Phoenix, AZ 85004-3921

**From:** Barb Murphy

**RE:** Motorola/Freescale wells – well file and ADWR database information

**Date:** 6 October 2005

**Notes/Comments:**

Creola—

It was good to talk with you several weeks ago and discuss the database issues in response to your letter with the ADWR database of Motorola/Freescale wells sent to Tom Suriano of Freescale Semiconductor in mid-August. I have been working on obtaining information to correct or complete the database and well files. I have contacted several drillers and other consultants who also have provided well drilling services to Motorola/Freescale and I understand they may contact you directly. Some of the wells missing completion information were drilled in the late 1980s – early 1990s so it is taking longer to find some documents. I sent two faxes to you with edits noted on the database printout; these were related to well ownership and are documented by ADWRs imaged records.

Enclosed are some of the documents in response to your letter with the database sent to Tom Suriano in mid-August:

- 55-579813 Well Driller Report ✓
- 55-579814 Well Driller Report ✓
- 55-579815 Well Driller Report ✓

Also enclosed are documents showing wells that when deepened were assigned a new number--refer to 55-505887 (old MW-2) and 55-531985 (new MW-2); 55-506682 (old MW-4) and 55-531984 (new MW-4); 55-512016 (old MW-8) and 55-531983 (new MW-8). These links were noted on the Request to Change Well Information forms submitted to ADWR with the change in ownership notification from Motorola to Freescale. In one case, the deepened (or new) well was recently abandoned and therefore the old well should now be listed as abandoned also (refer to 55-505887 (old MW-2) and 55-531985 (new MW-2)). These documents are in ADWRs imaged records. The "new" well number is the number used in reports since the documents tied to that number reflect the current well conditions.

I will have additional information soon. Please call me if you have any questions.

--Barb

This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of the message is not the intended recipient, or the employee or agent responsible for delivering the message, you are hereby notified that any dissemination, distribution or copying of the communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address via the U.S. Postal System. Thank you.

513 MW-2



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  
Information Management

FILE NUMBER  
WELL REGISTRATION NUMBER  
55-505887

- 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		1N	5E	19	SE 1/4	SW 1/4	SE 1/4
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		COUNTY WHERE WELL IS LOCATED Maricopa County					
BOOK		MAP		PARCEL			

**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)

**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**  
This well was deepened in 7/1991 and ADWR assigned new registration number 55-531985 to this well

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

TYPE OR PRINT NAME AND TITLE Thomas Suriano, Remediation Program Manager	SIGNATURE OF WELL OWNER <i>[Signature]</i>	DATE 11/12/04
---	---	------------------

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

**BANK OF AMERICA**  
02916 AZ  
91-170-1221

008128  
8128

CHECK NO.

Exactly Ten and no / 100 Dollars

DATE

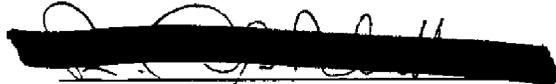
AMOUNT

11/15/2004

\$10.00

**PAY**  
TO THE  
ORDER  
OF

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



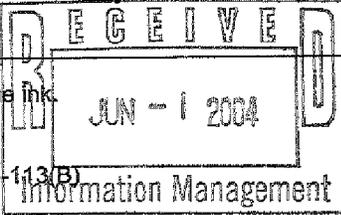
MP





**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**



FILE NUMBER  
 WELL REGISTRATION NUMBER  
**55-505887**

- ❖ 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**

Well Owner		Location of Well					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL <b>Freescale Semiconductor, Inc.</b>		WELL LOCATION ADDRESS (IF ANY)					
MAILING ADDRESS <b>Mail Drop EL-614</b> <b>2100 E. Elliot Road</b>		TOWNSHIP (NS)	RANGE (EW)	SECTION	160 ACRE	40 ACRE	10 ACRE
CITY / STATE / ZIP CODE <b>Tempe, AZ 85284</b>		<b>1 N</b>	<b>5 E</b>	<b>19</b>	<b>SE ¼</b>	<b>SW ¼</b>	<b>SE ¼</b>
CONTACT PERSON NAME AND TITLE <b>Tom Suriano, Remediation Program Manager</b>		LATITUDE			LONGITUDE		
TELEPHONE NUMBER <b>480-413-5182</b>	FAX <b>480-413-3100</b>	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		COUNTY ASSESSOR'S PARCEL ID NUMBER					
		BOOK <b>134</b>	MAP <b>37</b>	PARCEL <b>001C</b>			
		COUNTY WHERE WELL IS LOCATED <b>Maricopa County</b>					

**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)

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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**

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

**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

*[Handwritten mark]*

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

TYPE OR PRINT NAME AND TITLE <b>Tom Suriano, Remediation Program Manager</b>	SIGNATURE OF WELL OWNER <i>[Signature]</i>	DATE <b>5/27/04</b>
---	---	------------------------

**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.

ctly Ten and no / 100 Dollars

DATE  
5/28/2004

AMOUNT  
\$10.00

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

Y  
E  
R

MP

55-505887  
A(1-5)19 Dec

**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**

PO. # **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(8)			

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* 6/18/01  
 Signature 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

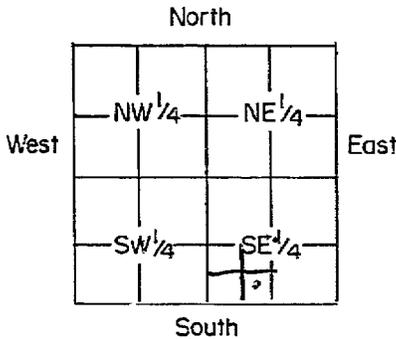
\_\_\_\_\_  
 Date

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)

DESCRIPTION OF WELL:

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

PLACE OF USE:

13. Township 1N  
14. Range 5E  
15. Section 19  
16. Legal description of land  
water is to be used on:  
SE 1/4 - SW 1/4 - SE 1/4

10. Principal use of Water.  
MONITOR

11. Other uses Intended

17. Design Pump Capacity

30 gpm

WELL/LAND LOCATION:

1. Township 1N  
2. Range 5E  
3. Section 19  
4. SE 1/4 SW 1/4 SE 1/4  
10 acre sub-division  
5. County MAHICOPA

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

12. Construction will start  
about:  
7 83  
Month Year

18. Action Requested:

Drill   
Deepen \_\_\_\_\_  
Replace \_\_\_\_\_

19. This notice filed by:

Owner \_\_\_\_\_  
Lessee \_\_\_\_\_  
Driller

6. Owner of Well:  
Motorola  
Name 2200 W Broadway  
Broadway + Dobson  
Address  
Mesa Arizona 85207  
City State Zip  
7. Owner of Land: 85202  
Motorola  
Name  
Address  
City State Zip

27  
DO NOT WRITE IN THIS SPACE  
OFFICE RECORD  
FILE NO. A(1-5)19 dod  
FILED 7-18-83 BY ET  
INPUT 7.26.83 BY \_\_\_\_\_  
DUPLICATE MAILED 7-18-83 BY ET  
REGISTRATION NO. 55-505887  
AMA NON EXPANSION AREA phy

Bert Perry Drilling  
Name  
5338 E Apache Tr  
Address  
Mesa Ariz 85205  
City State Zip  
20. Drillers Name:  
Gene V. Clay  
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

RECORDED

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 Matorala Inc.  
Name  
2200 W Broadway Mesa Ariz 85202  
Address

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

3. Driller Bert Perry Drilling  
Name  
5338 E Apache Trail Mesa Ariz 85205  
Address

4. Location of well: T1N R5E Sec 19 SE 1/4 SW 1/4 SE 1/4

5. Permit No. 55-505887  
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 160 ft.

7. Type of Casing Steel

8. Diameter and length of casing 10 in. from 0 to 20, 8 in from 0 to 149.

9. Method of sealing at reduction points Cemented.

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

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

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

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

14. Date started 8 10 83  
Month day year

15. Date completed 9 9 83  
Month day year

16. Depth to water 103 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: Pumped 30 G.P.M.

DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
Registration No. <u>55-505887</u>	
Received _____	By _____
Entered <u>2-15-84</u>	By _____
File No. <u>A(1-5) 19dcd</u>	

(Well log to appear on Reverse side)



Dick G.

7-19-83

Maurice Chait - Motorola - Called Vern Doyle - Re: Wells

- Doyle called me -
- I called Mr Chait -

I discussed the 2 well for 1 purpose problem and the inadequate provisions in the law to cover monitoring wells.

Suggested to him that he call you back on Thursday 7-21-83.

His phone is 962-2187

I discussed with Don -  
called Mr Chait back - asked him to give us their plans - by letter.

1. Pump Capacity
2. Pump for how long
3. Continuous <sup>or</sup> intermittent
4. Disposal of water
5. Amt to be Withdrawn
6. How & when will they abandon and/or cap wells.

RH

MICROFILMED



Ed Petoskey  
962-2101

**MOTOROLA INC.**  
*Bipolar Integrated Circuits Division*

**Maunce J Chait, PE**  
Manager, Environmental Compliance  
2200 West Broadway Road, Mesa, Arizona 85202  
(602) 962 2187 MS M170



**MOTOROLA INC.**  
**Bipolar Integrated Circuits Division**

July 22, 1983

Mr. Richard Gessner  
Department of Water Resources  
99 E. Virginia Ave.  
Phoenix, Arizona 85004

Re: Intention to drill numbers 55-505886 and 55-505886

Dear Mr. Gessner:

Motorola would like to drill two monitor wells on the Mesa Plant site as described in the Referenced applications. These wells will be used to monitor ground water quality.

Each well will have a 30 gpm submersible pump installed, but at no time will both wells be operated at the same time.

It is planned to pump each monitor well for approximately one hour, sample, shut down and then repeat the process for the other well. This test process will be repeated Quarterly. Total water removed will be approximately 2000 gallons per well per Quarter.

The water removed from the well will be directed into the on-site retention basin.

Locking covers will be installed on each well.

We hope the above information answers the questions you may have.

Sincerely yours,

Ed. Petoskey, Manager  
Facilities Engineering

MICROFILMED

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.

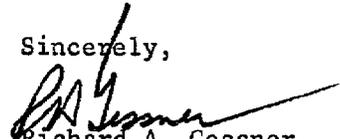
Authority is granted under the conditions which you stated in your letter of July 22, 1983, namely:

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,

  
Richard A. Gessner  
Chief, Operations Division

RAG:et  
Enclosures

MICROFILMED

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



**MOTOROLA INC.**

April 28, 1983

Mr. Vern Doyle  
Director  
Phoenix Active Management Area  
Arizona Department of  
Water Resources  
99 East Virginia  
Phoenix, Arizona 85004

Re: Groundwater withdrawal rights for  
Motorola's Integrated Circuit Group Plant  
at 2200 West Broadway, Mesa, Arizona

Dear Vern:

This is to confirm our meeting of March 31st as well as advise you of the option which Motorola prefers to select among those you offered, in resolving the present inadequacies in the legal withdrawal rights of groundwater from the area of the Motorola plant.

Motorola's Mesa facility requires pure water for its process. Currently that is sourced from two (2) groundwater wells on and adjoining the site. The older well (well #1) is owned by Motorola and the newer well (well #2) is owned by the City of Mesa. The two wells are approximately 1000 feet apart. The well #2 adjoins the Southwest corner of the Motorola site. All persons at the March 31st meeting and at other times, have agreed that the two wells are drawing from the same aquifer.

Motorola has applied for and has every expectation of receiving a grandfather permit for well #1 of 292 million gallons of groundwater per year. The City has an unlimited withdrawal right from its well #2. At current usage rates, the grandfather right of well #1 could serve the entire process needs of the site for only six (6) months.

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Vern Doyle  
April 28, 1983  
Page Two

While well #2 is an unlimited backup to well #1 in quantity. Well #2 has proven to be considerably poorer in quality. This is due to higher levels of silt and dissolved solids in the water. The preselected perforation areas proved to be too high. Well #2 has also experienced equipment failures. In these instances, well #1 had limited backup capability because of the grandfather right limitation. The size of the backup depended on the number of weeks left in the year and how much water had been drawn prior to the demand requirement.

In short, Motorola requires an additional withdrawal right on well #1 so that it can provide a feasible backup to well #2 as well #2 now gives to well #1.

You, Don Maughn and members of your staff offered four (4) alternatives:

- (1) Motorola drill and donate another well to the City of Mesa to serve the site.
- (2) Motorola purchase one or more type 2 non-irrigation rights when permits are issued beginning in June, 1983.
- (3) That the City of Mesa and Motorola exchange ownership as between well #1 and well #2 so that the proven well has the unlimited withdrawal rights.
- (4) Have the two wells considered as cross-connected through the same aquifer and assign the initial 292 million gallons of withdrawal water each year, to the Motorola grandfather right and the balance withdrawn from the two wells assigned to the City of Mesa.

Motorola has reviewed these options, the impact of each and considers option #4, preferred and most promising of relief to the present problem.

Motorola does not wish to pursue option #1 at this time and maybe never except as a last resort because it entails a use of assets and possible disruption of plant operations, but offers no benefit to the general water since the same aquifer is involved. Further experience has shown that time is required to design, drill and make ready a new well and the amount of time is not predictable. The Motorola

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Vern Doyle  
April 28, 1983  
Page Three

problems of backup short fall exist now and must be responded to in 1983.

Regarding option #2, I have asked the Operations Division of the Department of Water Resources, to provide a list of applicants of type 2 non-irrigation permits. The necessary form was completed and mailed. When that list is received, we will, of course, pursue the avenue of obtaining type 2 non-irrigation rights as an alternative solution to the Motorola problem. However, the permits will not be issued until June at the earliest and transfer of rights cannot occur until after issuance. We believe that the necessary negotiating time, along with the other administrative and engineering details that would be required seem to put this option out of the useful category for resolving 1983 problems.

The swapping of ownership rights between the City and Motorola would be a very complex approach in many ways and may still not offer the solution to the Motorola problem. The City of Mesa will want pipe access to well #1 if it owned that well and this would require considerable amount of planning, engineering and some time for construction of the pipe inter-connection.

Motorola believes that option #4 offers an approach necessary to resolve the potential legal short fall of groundwater at the Motorola plant site in a timely manner and consistent with the philosophy of the Groundwater Management Act. We have conferred with Mr. Dean Sloan, Public Works Director of the City of Mesa and his staff, regarding implementation of this option. This option is acceptable to Mesa.

Motorola understands the program to consider the two wells as a single entity for groundwater withdrawal purposes would contain no requirement that there be cross-piping between well #1 and well #2 so as to permit the City of Mesa to draw directly from well #1. Instead both wells would be metered and the initial 292 million gallons of water withdrawn from the two wells each year would be considered under the Motorola grandfather right permit. The balance of the water withdrawn from the two wells would be considered as withdrawn by the City of Mesa and subject to whatever rules govern water of that type. Both wells have operating

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Vern Doyle  
April 28, 1983  
Page Four

withdrawal meters so that quantities can be determined to calculate the sewer charge payable by Motorola to Mesa.

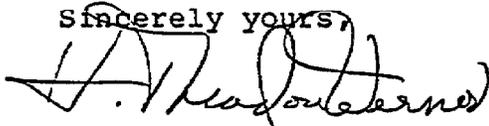
We further understand that should Motorola purchase additional type 2 non-irrigation rights as a result of the investigation with Mr. Gessner, those grandfather rights would be added to the 292 million and so charged in the initial annual calculation of the withdrawals from the two wells.

It is our further understanding that this option requires no change in ownership of the two wells. The discussions with the City of Mesa concerning whether official action had to be taken did not reach a conclusion. Will your office require any official action by the City of Mesa if the two wells are to be considered one for groundwater management purposes?

Finally, it is Motorola's understanding that as the required conservation program comes into fruition from your department, the rules applicable to the City's would not apply to the 292 million gallons and the rules applicable to holders of grandfather rights would not apply to the water in excess of 292 million gallons.

We will appreciate your concurrence in our understanding of the option, the right of Motorola to adopt option #4 and any additional questions, comments or directions you may have in this regard. If you feel a meeting is desirable in this matter, please give me a call.

Sincerely yours,



H. Theodore Werner  
Senior Division Counsel

HTW/lls  
884S.1

cc: Maurice Chait  
Dean Sloan, City of Mesa

bcc: Jim Coffee  
Ben Fernandez  
Arnie Graham  
Ed Petoskey

10500000

State of Arizona

# DEPARTMENT OF WATER RESOURCES

99 E. Virginia Avenue, Phoenix, Arizona 85004  
Phoenix Active Management Area  
255-1512



BRUCE BABBITT, Governor  
WESLEY E. STEINER, Director

MOTOROLA

May 11 1983

LAW DEPT.

May 11, 1983

Mr. Theodore Warner  
Senior Division Counsel  
Motorola, Inc.  
Camel Square  
4350 East Camelback Road  
Phoenix, Arizona 85018

Dear Ted:

The purpose of this letter is to respond to your letter dated April 28, 1983. We have reviewed the options you stated and agree that option number four is preferred at this point in time.

This option would consider that Motorola's initial yearly withdrawal from either of the two wells would be pursuant to its Type 2 non irrigation grandfathered right and that the remainder of its withdrawal in that year would be pursuant to the City of Mesa's Service Area Right.

As you indicated, it will be necessary for both wells to be metered and the volumes withdrawn reported well by well. You are correct in your understanding of the impact of inclusion of additional Type 2 rights on Motorola's current rights.

This option will not require a change in well ownership. Since it is necessary, from our perspective, to have the Type 2 withdrawal attributable to a single well, upon completion of your agreement with the City, we request a letter detailing the proposed operating plan and specifying the well to which the withdrawal should be legally attributed. Your understanding of the conservation requirements is correct.

I trust this letter satisfies your needs. If you have any further questions on this or any other related matter, please do not hesitate to call me.

Sincerely,

A handwritten signature in cursive script, appearing to read "Verne L. Doyle".

Verne L. Doyle  
Area Director

VLD/mr

cc: Dean Sloan  
City of Mesa

Think Conservation!

Office of Director 255-1554

Administration 255-1550, Water Resources and Flood Control Planning 255-1566, Dam Safety 255-1541,  
Flood Warning Of 55-1548, Water Rights Administration 255-1581, Hydrology 255-1586.



**MOTOROLA INC.**

RECEIVED

JUN 7 1984

WATER RESOURCES

June 6, 1984

Don Maughan, Deputy Director  
Department of Water Resources  
99 East Virginia Ave.  
Phoenix, Arizona

Dear Mr. Maughan:

The purpose of this letter is to request modifications of the permits for three Exempt Monitor Wells.

The Department of Water Resources has issued permits to Motorola for six Monitor Wells at the Mesa site. These Monitor Wells have demonstrated the presence of trace levels of volatile organics in the groundwater beneath the Plant.

Motorola believes that it is critically important to begin the cleanup operation without delay in order to prevent the further spread of the contamination by the natural groundwater flow. We have been working with the Department of Health Services, with advice from the Hydrology and Phoenix AMA Divisions of the Department of Water Resources, to develop an interim plan to begin the cleanup of the underground aquifer.

The cleanup plan calls for pumping of three of the Monitor Wells into the Motorola cooling towers as a replacement for the uncontaminated water now used for this purpose. The 30 gpm pumps in place on each of these wells would remain in place so that the maximum withdrawal rate from the three wells would be a total of 90 gpm. Meters would be installed on each of the wells. The other three Monitor would not be metered and would be continued to be used for monitoring in accordance with their existing permit conditions.

MICROFILMED

W. Don Maughan  
June 6, 1984  
Page 2

*file*

Motorola requests a modifications of the Monitor Well permits numbers 55-505887, 55-506682, and 55-506681 to allow continuous withdrawal from these wells with the quantity of water withdrawn to be applied against Motorola's grandfathered Type 2 withdrawal rights (Number 78-112273) for this site. Motorola would report the amount of water withdrawn from each of the metered wells on the Mesa site.

Your assistance in starting the cleanup activities would be greatly appreciated.

Sincerely,

*Maurice Chait*

Maurice Chait, Mgr.  
Environmental Compliance  
Bipolar Integrated Circuits Group

cc: Pam Bielke, DHS.  
Dean Moss, DWR.  
Karl Kohlhoff, Mesa  
Ed. Nemecek, DWR.  
Ken Schmidt

58-112273

801 afa

RECORDED



**MOTOROLA INC.**

RECEIVED  
JUN 7 1984  
WATER RESOURCES

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Department of Water Resources  
99 East Virginia Ave.  
Phoenix, Arizona

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*Maurice Chait*

Maurice Chait, Mgr.  
Environmental Compliance  
Bipolar Integrated Circuits Group

cc: Pam Bielke, DHS.  
Dean Moss, DWR.  
Karl Kohlhoff, Mesa  
Ed. Nemecek, DWR.  
Ken Schmidt

MICROFILMED

58-112273

801 *afa*

# Certificate Of Grandfathered Groundwater Right

COUNTY OF MARICOPA

STATE OF ARIZONA DEPARTMENT OF WATER RESOURCES

*This is to certify that pursuant to the provisions of  
Title 45, Chapter 2, Arizona Revised Statutes*



MOTOROLA, INCORPORATED

2200 West Broadway

Mesa, Arizona 85202

*is granted*

TYPE 2 NON-IRRIGATION GRANDFATHERED RIGHTS

*in the*

PHOENIX ACTIVE MANAGEMENT AREA

for 801 acre-feet of groundwater annually from January 1 through December 31. Groundwater withdrawn pursuant to this right may be used for non-irrigation purpose[s]. The location of the well[s] where groundwater will be withdrawn pursuant to this right is as follows:

Arizona Department of Water Resources Well Registrations and Locations:

√55-505887 - SE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  Section 19 T1N R5E GSRB&M  
55-506681 - SW $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  Section 19 T1N R5E GSRB&M  
55-506682 - SE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  Section 19 T1N R5E GSRB&M  
55-604790 - NE $\frac{1}{4}$  SW $\frac{1}{4}$  SE $\frac{1}{4}$  Section 19 T1N R5E GSRB&M

*The use of groundwater under this right shall be in accordance with the laws of the State of Arizona and restrictions placed on use by the Director of the Department of Water Resources pursuant to Title 45, Chapter 2, Arizona Revised Statutes.*



CERTIFICATE NO. 58-112273

is granted this 13th day of JUNE, 1984

1072071/1984

ARIZONA DEPARTMENT OF WATER RESOURCES

*Wesley E. Stevens*  
Director

*The Department of Water Resources must be notified if the above named person(s) changes his address or conveys ownership of the right to another person(s).*

1. Send in Two letters clarifying procedure for Reporting water use from Motorola well under City of Mesas service report
2. Send in cover letter to explain 1985 withdrawal for next years report
3. Maurice Chait brought in letter dated May 11 1985 giving them authority to use well jointly
4. Case closed when received part 1 & 2 above

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CHANGE OF WELL INFORMATION

Registration No. 55- 505887

I request the following information be changed in Well File Number A(1-5)19 dcd

PERFORATED 50 FEET OF CASING FROM 95 FOOT LEVEL TO 145 FOOT

LEVEL WITH 6 HOLES PER FOOT (3/8" X 3" CUTS).

INSTALLED 10 HP SUBMERSIBLE PUMP WITH CAPACITY OF 96

GALLONS PER MINUTE.

Date November 13, 1985 Maurice Chart  
Signature of Well Owner

STATEMENT OF CHANGE OF WELL OWNERSHIP

I, \_\_\_\_\_, state that I am (no longer) the  
(new) owner of the well described below:

Township \_\_\_\_\_ Range \_\_\_\_\_ Section \_\_\_\_\_, \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4 \_\_\_\_\_ 1/4

Registration #55- \_\_\_\_\_ File No. \_\_\_\_\_

\_\_\_\_\_  
Previous Owner

\_\_\_\_\_  
New Owner

\_\_\_\_\_  
Address

\_\_\_\_\_  
Address

\_\_\_\_\_  
City State Zip

\_\_\_\_\_  
City State Zip

NOTE: ARS 45-593 requires that the Department be notified of change of well ownership and that the well owner is required to keep the Department's Well Registration records current and accurate. Well data and ownership changes must be submitted within 30 days after changes take place.

NOTE: SAVE THIS FORM TO REPORT FUTURE  
CHANGES IN OWNERSHIP OR WELL  
DATA SUCH AS PUMP CAPACITY, ETC.

MICROFILMED

11-20-85  
S.V.



**MOTOROLA INC.**

August 8, 1985

Dennis Kimberlin  
Phoenix Active Management Area  
99 E. Virginia Avenue  
Phoenix, Arizona 85004

Dear Mr. Kimberlin:

During our meeting of August 6th, you requested copies of two documents referenced in the May, 1983 letter from Verne Doyle to Theodore Werner. The first document, a letter from Mr. Werner to Mr. Doyle dated April 28, 1983, is attached.

The second document, a letter requested by Mr. Doyle from Motorola detailing our pumping plans, was never sent.

The requested document was never sent because of the discovery of volatile organic contamination in the City of Mesa well operated by Motorola in the summer of 1983. It was the desire of the Department of Water Resources, the Department of Health Services, and Motorola to begin cleanup operations as soon as possible. The pumping decision was delayed until the investigation being conducted by Motorola indicated which of the small monitor wells would best serve to withdraw contaminated groundwater. When it became clear that three of the six monitor wells should be modified to withdraw groundwater, Motorola verbally explained to the Department of Water Resources that the contamination problem could best be solved by withdrawing the required process groundwater from Production Well #1 (55-604790) and three of the monitor wells. The Department of Water Resources agreed with this pumping plan and modified Motorola's Type II permit to include the three monitor wells.

We expect Production Well #1 (55-604790) and monitor wells #2, #4, and #5 (55-505887, 55-506682, 55-506681) will continue to be the primary withdrawal wells through 1985.

Sincerely,

Maurice Chait  
Manager, Environmental Compliance

RECEIVED  
JUL 14 1985  
WATER RESOURCES

306807 RECEIVED

DEPARTMENT OF WATER RESOURCES  
99 East Virginia  
Phoenix, Arizona 85004

RECEIVED

DEC 7 - 1983

WATER RESOURCES

Registration No. 55-505887 **INPUT**  
Owner of Well Site MOTOROLA 12-7-83 *ofc*  
File No. A(1-5)19 dcd

COMPLETION REPORT

MW-2

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

T1N, R5E, Sec 19, SE 1/4, SW 1/4, SE 1/4

Date Well Completed 9-6-83 Depth of Well 160'

1. Well Test:  
Test Pumping Capacity 30 Date Well Tested 9-7-83  
(Gal. per min.)

Method of Discharge Measurement 5 gal bucket and stop watch  
(weir, orifice, current meter, etc.)

Static Groundwater Level 106.5 ft. Drawdown 5 ft.

Total Pumping Lift 106.5 ft. Drawdown 5 lbs.  
(Flowing Well)

2. Equipment Installed:

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

Kind of Power Elec H.P. Rating of Motor 2 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, 19 83  
Date

Mesa Ariz 85208  
City State Zip

MICROFILMED

A 010 050 19 DCD WR 505887 FILE TYPE: APPLICATION WELL TYPE: NON-EXEMPT  
DATE ISSUED: 07 18 983 PLANNED PUMP CAP: 30 GPM

NAME: MOTOROLA IN CARE OF: WATER QUALITY MATTER  
2200 W BROADWAY  
MESA AZ 85202

ACCURACY: NOT VERIFIED WATER USES: INDUSTRIAL

AREA: PHOENIX AMA  
SUB-BASIN: EAST SALT RIVER VALLEY  
WATERSHED: SALT RIVER WELL USES: WATER PRODUCTION  
COUNTY: MARICOPA  
OWNER: CORPORATION

WELL DEPTH: 160 FT CASE DIAM: 10 IN DRILLER: L13  
PUMP CAP: 30 GPM FINISH: STEEL CASE DEPTH: 149 FT METH DET: BUCKET  
DRAW DOWN: 5 FT WATER LVL: 106 FT ACRES IRR: YIELD: 30 GPM  
LIFT: SURFACE POWER: 11.5 HP

DATE COMPLETED: 09 09 983  
POU #1: SE SW SE 19 010 N 050 E POU #2:

STATUS: DATA OWN LOG X CRT X PR NR: JOB STATUS:

ENTER READ NEXT RECORD CLEAR TO RETURN TO SELECTION CRITERIA

A 010 050 19 000 WR 505887 FILE TYPE: APPLICATION WELL TYPE: ~~WATER TEST~~ *Non-Grant*

DATE ISSUED: 07 18 988 PLANNED PUMP CAP: 30 GPM

NAME: MOTOROLA

IN CARE OF: *Water Quality Matter*  
*MATTER*

2200 W BROADWAY

MESA

AZ 85202

*F = Industrial*

ACCURACY: NOT VERIFIED

WATER USES: ~~WATER TEST~~

AREA: PHOENIX AMA

SUB-BASIN: *06*

*w - water Production*

WATERSHED: SALT RIVER

WELL USES: ~~OBSERVATION OR MONITOR~~

COUNTY: MARICOPA

OWNER: CORPORATION

DRILLER: 113

WELL DPTH: 160 FT CASE DIAM: 10 IN

CASE DPTH: 149 FT METH DET: BUCKET

PUMP CAP: 30 GPM FINISH: STEEL

ACRES IRR: YIELD: 30 GPM

DRAW DOWN: 5 FT WATER LVL: 106 FT

LIFT: SUBMERSEBL POWER: ELE 5HP

DATE COMPLETED: 09 09 988

POU #1: SE SW SE 19 010 N 050 E

POU #2:

STATUS: DATA OWN LOG X CRT X PG NBR:

LPO STATUS:

ENTER - READ NEXT RECORD

CLEAR TO RETURN TO SELECTION CRITERIA

*10/10/98*

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

RECEIVED

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) 19 <del>db</del> <sup>ded ddb</sup> Reg#55-505886		
					A(1-5) 19 <del>db</del> <sup>ded</sup> Reg#55-505887		
						WRITER PAYMENT	
						GUESTS 2	
						CHK NO 0	
						35-1 10.00	
						TAX 3.00	
						TOTAL 23.00	
						GEN.CRS- 20.00	
					CASH		

7/18/84/ek

4 3532 2 15 13

TOTAL \$ 20.00