



ARIZONA DEPARTMENT OF WATER RESOURCES  
 Records Management Section  
 P.O. Box 33589, Phoenix, Arizona 85067-3589  
 (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  
**A(1-15) 19 ABA**  
 WELL REGISTRATION NUMBER  
**55- 501961**

\*\* PLEASE PRINT CLEARLY \*\*

OCT 20 2010

SECTION 1 ABANDONMENT AUTHORIZATION	
Mail To:	Drilling Firm <b>WATER MGMT</b>
	NAME EXCEL PUMP AND WELL SERVICE, LLC
	ADDRESS 8861 S. SIX SHOOTER CANYON RD.
	CITY / STATE / ZIP GLOBE, AZ 85501
	DWR LICENSE NUMBER 771
	TELEPHONE NUMBER 928-812-7520
	FAX

SECTION 2 REGISTRY INFORMATION	
<b>Well Owner Information</b>	
FULL NAME OF COMPANY, ORGANIZATION OR INDIVIDUAL FREEPORT-MCMORAN MIAMI, INC.	CONTACT PERSON NAME AND TITLE
MAILING ADDRESS PO BOX 4444	TELEPHONE NUMBER 928-473-7274
CITY / STATE / ZIP CLAYPOOL, AZ 85532	FAX
<b>Location of Well</b>	
WELL LOCATION ADDRESS (IF ANY)	LATITUDE 33° 25' 13.8" N Degrees Minutes Seconds
	LONGITUDE 110° 52' 5.5" W Degrees Minutes Seconds
TOWNSHIP (N/S) IN	RANGE (E/W) 15E
SECTION 19	180 ACRE NE 1/4
40 ACRE NW 1/4	10 ACRE NE 1/4
COUNTY ASSESSOR'S PARCEL ID NUMBER	LAND SURFACE ELEVATION AT WELL Feet Above Sea Level
BOOK 0	METHOD OF LATITUDE / LONGITUDE (CHECK ONE) <input checked="" type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade
MAP 0	*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE) <input checked="" type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):
PARCEL	

SECTION 3			
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) <i>Pinal Creek WQARF</i>
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 <i>LP Shallow</i>
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 <u>No</u> , 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 ?			<i>Webster Infill Project</i>

Well Abandonment Completion Report

WELL REGISTRATION NUMBER  
55-501961

**SECTION 4. 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	287	<i>Not available</i>	0	210	4	X				X					
			210	270	4	X							X		0.02

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				
0	287								<i>Information Not Available</i>			

**SECTION 5. ACTUAL WELL ABANDONMENT DESIGN**

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

DEPTH TO WATER  
185 Feet Below Land Surface

DATE ABANDONMENT COMPLETED  
9/22/10

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			SAND	
							0	175	X								18.2
							175	287					X				10.5

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

- CHECK ONE
- Standard Method  Alternative 4:  Other (please specify) *See Attached*
- 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

David T. Ruiz Member

SIGNATURE OF QUALIFYING PARTY

*David T. Ruiz*

DATE

10/15/10

Oct. 15

## Excel Pump and Well Service Llc.

Roc Lic. #222883-K53 Roc Lic. #249880-A4  
Ph. (928)425-7510---Cell. (928)812-7520

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To whom it may concern,

The abandonment consisted of pressure-grouting the screened interval and casing with high solids bentonite grout from the bottom of the well to a minimum of 10 feet above the highest known water level. The casing was then filled with acid-resistant (pozzolanic) cement to ground surface level via tremie pipe.

Sincerely,

David Ruiz

Excel Pump and Well Service

8861 S. Six Shooter Cyn. Rd.

Globe, Az. 85501

dave@excelwellpump.com

Cc. Todd North

Freeport McMoran Miami Inc.

P.O. Box 1270

Claypool, Az. 85532

---

7-12-10  
BOW



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

RECEIVED

Request to Change Well Information

- Review instructions prior to completing form in black or blue ink JUL 8 2010
  - You must include with your Notice:
    - check or money order for any required fee(s)
  - Authority for fee: A.R.S. § 45-113 and A.A.C. R12-15-10
- \*\* PLEASE PRINT CLEARLY \*\*

WATER MGMT

FILE NUMBER
WELL REGISTRATION NUMBER <b>55 - 501961</b>

**SECTION 1. REGISTRY INFORMATION**

<b>Well Owner</b>	<b>Location of Well</b>					
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL <i>Freeport-McMoRan Miami Inc</i>	WELL LOCATION ADDRESS (IF ANY) <i>Freeport-McMoRan Miami Inc., New Street, Claypool, AZ</i>					
MAILING ADDRESS <i>P.O. Box 4444</i>	TOWNSHIP (N/S) <i>1N</i>	RANGE (E/W) <i>15E</i>	SECTION <i>19</i>	180 ACRE <i>NE 1/4</i>	40 ACRE <i>NW 1/4</i>	10 ACRE <i>NE 1/4</i>
CITY / STATE / ZIP CODE <i>Claypool AZ 85532</i>	LATITUDE <i>33° 25' 13.8"N</i>		LONGITUDE <i>110° 52' 5.5"W</i>			
CONTACT PERSON NAME AND TITLE <i>Chad Cooper, Chief Environmental Eng</i>	METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input checked="" type="checkbox"/> *GPS: Hand-Held <input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade *IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE) <input checked="" type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):					
TELEPHONE NUMBER <i>928-473-7274</i>	FAX <i>928-473-7552</i>	COUNTY ASSESSOR'S PARCEL ID NUMBER			COUNTY WHERE WELL IS LOCATED	
		BOOK <i>204</i>	MAP <i>13</i>	PARCEL <i>0024</i>	<i>Gila</i>	

**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**    FEE \$120 per Well

\* 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.

<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	TELEPHONE NUMBER	FAX

**SECTION 3. STATEMENT OF CHANGE OF WELL OWNERSHIP**    FEE \$120 per Well

<b>Previous Well Owner</b>	<b>New Well Owner</b>	
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL <i>Envirologic Systems, Inc.</i>	FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL <i>Freeport-McMoRan Miami Inc.</i>	
MAILING ADDRESS <i>2425 S. Colorado Blvd.</i>	MAILING ADDRESS <i>P.O. Box 4444</i>	
CITY / STATE / ZIP CODE <i>Denver, CO 80222</i>	CITY / STATE / ZIP CODE <i>Claypool, AZ 85532</i>	
CONTACT PERSON NAME AND TITLE	CONTACT PERSON NAME AND TITLE	
TELEPHONE NUMBER	TELEPHONE NUMBER	FAX
	<i>(928) 473-7274</i>	<i>(928) 473-7552</i>

**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

**SECTION 5. OPTIONAL BY PROPERTY OWNER AND WELL OWNER ONLY**

By checking this box, I hereby provide ADWR permission to enter the property for the purpose of taking water level measurements at this well. (See instructions.)

**SECTION 6. WELL OWNER SIGNATURE**

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

TYPE OR PRINT NAME AND TITLE <i>Chad G Cooper, Chief Environmental Engineer</i>	SIGNATURE OF WELL OWNER <i>Chad G Cooper</i>	DATE <i>07/06/10</i>
--	---	-------------------------



RECEIVED

JUL 8 2010

WATER MGMT

July 02, 2010

Arizona Department of Water Resources  
Water Management Support Services  
Post Office Box 33589  
Phoenix, Arizona 85067-3589

Re: Request to Change Well Information  
Freeport McMoRan Miami Inc., Miami Mine

Dear ADWR Staff:

Enclosed are two (2) "Request to Change Well Information" forms relative to monitor and de-watering wells located in the Pinal Creek WQARF site in Gila County, Arizona. The wells and land on which the wells are located are owned by Freeport McMoRan Miami Inc.

Well Name	ADWR Reg#
LP Deep	55-501960
LP Shallow	55-501961

**Land Owner Title:** The wells listed above were for collection of water level data and water quality data only. They are on land owned by Freeport McMoRan Miami Inc., successor in interest to Phelps Dodge Miami Inc. and Cyprus Miami Mining Corp. Attached for your review are the following conveyance documents related to the land title and ownership:

1. Special Warranty Deed Conveying property ownership from Inspiration Consolidated Copper Company to Cyprus Miami Mining Corporation dated July 1, 1988.
2. A Certificate of Amendment of Cyprus Miami Mining Corporation, a Delaware corporation, dated December 28, 1999, changing the name of the corporation to Phelps Dodge Miami Inc., a Delaware corporation. The land ownership was vested in Phelps Dodge Miami Inc.
3. A Certificate of Amendment of Phelps Dodge Miami Inc., a Delaware corporation, dated April 11, 2008, changing the name of the corporation to Freeport-McMoRan Miami Inc., a Delaware corporation. The land ownership was vested in Freeport-McMoRan Miami Inc.

**Gila County Assessor Parcel ID Number:** The tax parcel ID numbers assigned by Gila County Assessor as shown on the "Request to Change Well Information" are based on the Assessor's Plat – however please be aware that these parcel ID numbers may not be in the Gila County Assessor internet database because of the State's central assessment status.

Sincerely,

A handwritten signature in black ink, appearing to read "Chad G. Cooper", with a long, sweeping horizontal flourish extending to the right.

Chad G. Cooper  
Chief Environmental Engineer

Enclosures: 3

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When recorded, return to:

Cyprus Miami Mining Corporation  
P.O. Box 3299  
Englewood, CO 80155

SPECIAL WARRANTY DEED

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, INSPIRATION CONSOLIDATED COPPER COMPANY, a Maine corporation ("Grantor"), hereby grants and conveys to Cyprus Miami Mining Corporation, a Delaware corporation, ("Grantee"), that certain real property situated in Pinal, Gila and Graham Counties, Arizona, more particularly described in Exhibit "A" attached hereto incorporated herein by this reference, together with all rights and privileges appurtenant thereto.

SUBJECT to all taxes which are a lien not yet due and payable.

AND FURTHER SUBJECT TO the items set forth in Exhibit "B" attached hereto and incorporated herein by this reference, Grantor hereby binds itself and its successors to warrant and defend title to said real property as against all acts of Grantor and no other.

Grantor makes no representation or warranty hereunder regarding water rights.

This Special Warranty Deed is dated as of JUL 1, 1988.

INSPIRATION CONSOLIDATED COPPER  
COMPANY, a Maine corporation

By R. P. Adams  
Its President

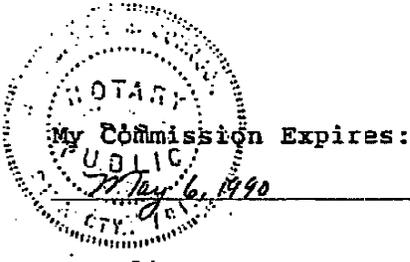
\*00181

508099-T

STATE OF ARIZONA )  
 ) ss.  
County of Maricopa )

The foregoing instrument was acknowledged before me  
this 10<sup>th</sup> day of July, 1988,  
by R.L. Davis, the Director of  
Inspiration Consolidated Copper Company, a Maine corporation,  
on behalf of the corporation.

IN WITNESS WHEREOF, I hereunto set my hand and  
official seal.



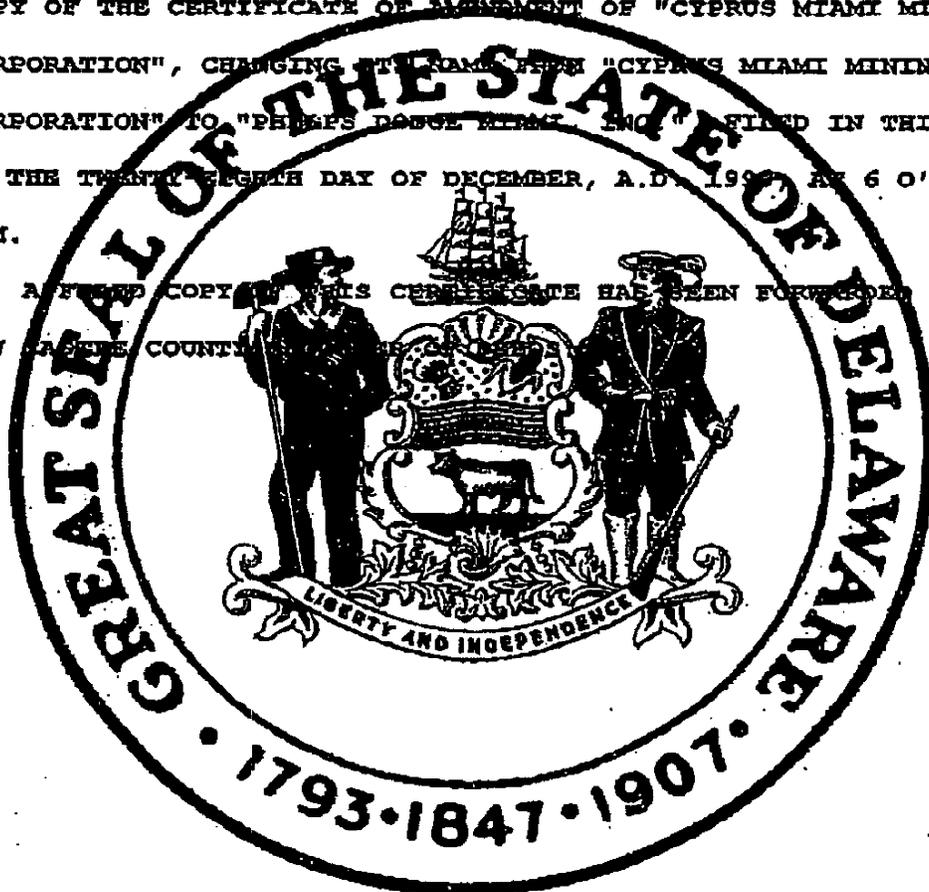
M. E. Johnson  
Notary Public



Office of the Secretary of State

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "CYPRUS MIAMI MINING CORPORATION", CHANGING ITS NAME FROM "CYPRUS MIAMI MINING CORPORATION" TO "PHILIPS DOGGE MIAMI INC." FILED IN THIS OFFICE ON THE TWENTY EIGHTH DAY OF DECEMBER, A.D. 1997 AT 6 O'CLOCK P.M.

A TRUE COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY



BY: LINDA HAUGH, RECORDER, BY: CYPRUS MIAMI MINING CORP  
 DATE: 12/05/2001 TIME: 03:18 PAGE #: 0003 OF 0004 FEE #: 2001 18394



*Edward J. Freel*

Edward J. Freel, Secretary of State

2162896 8100  
991567492

AUTHENTICATION: 0178509  
DATE: 01-04-00

CERTIFICATE OF AMENDMENT  
OF  
CERTIFICATE OF INCORPORATION

\*\*\*\*

CYPRUS MIAMI MINING CORPORATION, a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of said corporation, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of said corporation:

RESOLVED, that the Certificate of Incorporation of Cyprus Miami Mining Corporation be amended by changing the First Article thereof so that, as amended, said Article shall be and read as follows:

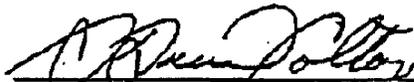
"1. The name of the Corporation is Phelps Dodge Miami, Inc."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

FOURTH: That this Certificate of Amendment of the Certificate of Incorporation shall be effective on January 1, 2000.

IN WITNESS WHEREOF, said CYPRUS MIAMI MINING CORPORATION has caused this certificate to be signed by S. David Colton, Its Senior Vice President and General Counsel, this 28th day of December, 1999.

  
Senior Vice President & General Counsel

# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PHELPS DODGE MIAMI, INC.", CHANGING ITS NAME FROM "PHELPS DODGE MIAMI, INC." TO "FREEPORT-MCMORAN MIAMI INC.", FILED IN THIS OFFICE ON THE FIFTEENTH DAY OF APRIL, A.D. 2008, AT 10:33 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

2162896 8100

080428299

You may verify this certificate online  
at [corp.delaware.gov/authver.shtml](http://corp.delaware.gov/authver.shtml)



*Harriet Smith Windsor*  
\_\_\_\_\_  
Harriet Smith Windsor, Secretary of State  
AUTHENTICATION: 6524201

DATE: 04-15-08

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 11:07 AM 04/15/2008  
FILED 10:33 AM 04/15/2008  
SRV 080428299 - 2162896 FILE

**CERTIFICATE OF AMENDMENT OF  
CERTIFICATE OF INCORPORATION  
OF  
PHELPS DODGE MIAMI, INC.**

Phelps Dodge Miami, Inc., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware (the "Corporation"), hereby certifies that:

1. The first Article of the Certificate of Incorporation of the Corporation is hereby amended to read in full as follows:

"1. The name of the Corporation is Freeport-McMoRan Miami Inc."

2. The amendment of the Certificate of Incorporation herein certified has been duly adopted in accordance with Sections 228 and 242 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, the Corporation has caused this certificate to be signed this 11th day of April, 2008.

  
Douglas N. Currault II  
Secretary

Printed: 7/8/2010 1:53:44 PM

Arizona Department of Water Resources

3550 N Central Ave.  
Phoenix AZ 85012

Customer:

ENVIRONMENTAL MANAGEMENT  
CONSULTANTS CORP.  
1910 S. TRACEY  
BOZEMAN, MT 59715

Receipt #: 11-13266  
Office: GW Permitting  
Receipt Date: 7/8/2010  
Sale Type: Mail  
Cashier: WRACL

Item No.	Index	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
9100	15238	4439-12	WELL ASSIGNMENTS/CHANGE OF WELL OWNERSHIP	55-501960 55-501961	2	120.00	240.00
<b>RECEIPT TOTAL:</b>							<b>240.00</b>

Payment type: CHECK

Amount Paid: \$240.00

Payment Received Date: 7/8/2010

Notes:

Check # 9789
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**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: 55-501961**

**AUTHORIZED DRILLER: EXCEL PUMP AND WELL SERVICE, LLC LICENSE NO: 771**

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

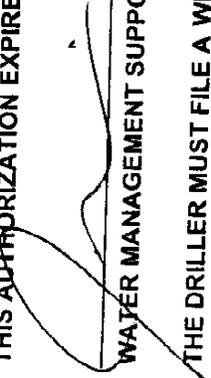
**WELL OWNER: FREEPORT-MCMORAN MIAMI, INC. PO BOX 4444 CLAYPOOL, AZ 85532**

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

**NE ¼ OF THE NW ¼ OF THE NE ¼ SECTION 19 TOWNSHIP 1 NORTH RANGE 15 EAST**

**NO. OF WELLS IN THIS PROJECT: 0**

**THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF**

  
**WATER MANAGEMENT SUPPORT**

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



**ARIZONA DEPARTMENT OF WATER RESOURCES**

3550 N. Central Avenue, Phoenix, Arizona 85012

Telephone (602) 771-8500

Fax (602) 771-8691

July 12, 2010



Janice K. Brewer  
Governor

Herbert R. Guenther  
Director

FREEPORT-MCMORAN MIAMI, INC.  
PO BOX 4444  
CLAYPOOL, AZ 85532

Registration No. 55-501961

File No. A(1-15) 19 ABA

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 cursive script that reads "Bruce Wildey".

Bruce Wildey  
NOI Unit  
Water Management Support Section

Enclosures



Arizona Department of Water Resources  
 Water Management Support Section  
 P.O. Box 33589 Phoenix, Arizona 85067-3589  
 (802) 771-8500 • (800) 352-8488  
 www.azwater.gov

RECEIVED

Notice of Intent to  
 Abandon a Well

NO FEE

JUL 8 2010

WATER MGMT

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

\*\* PLEASE PRINT CLEARLY \*\*

RECEIVED	DATE	WS
7-8-10		
ISSUED	DATE	WQARF CERCLA
7-12-10		LLL

FILE NUMBER
A(1-15)19 ABA
WELL REGISTRATION NUMBER
55 - 501961

**SECTION 1. REGISTRY INFORMATION**

<b>Well Type</b> CHECK ONE		<b>Location of Well</b> WELL LOCATION ADDRESS (IF ANY) Freeport-McMoRan Miami Inc., New Street, Claypool, AZ					
<input type="checkbox"/> Domestic	<input type="checkbox"/> Monitor / Piezometer	TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
<input type="checkbox"/> Stock	<input type="checkbox"/> Geotechnical	1N	15E	19	NE 1/4	NW 1/4	NE 1/4
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Mineral Exploration	COUNTY ASSESSOR'S BOOK	MAP	PARCEL ID NUMBER	COUNTY WHERE WELL IS LOCATED		
<input type="checkbox"/> Municipal	<input checked="" type="checkbox"/> Other (please specify): Exempt	204	13	0024	Gila		
ORIGINAL WELL OWNER (IF KNOWN) Envirologic Systems, Inc.		DRILL DATE (IF KNOWN) 2/12/1982		LATITUDE		LONGITUDE	
ORIGINAL WELL DRILLING FIRM (IF KNOWN) Layne Christensen Co.				33 °	25 ·	13.8 *N	110 °
				Degrees	Minutes	Seconds	Degrees
				METHOD OF LATITUDE/LONGITUDE (CHECK ONE) <input checked="" type="checkbox"/> *GPS: Hand-Held			
				<input type="checkbox"/> USGS Quad Map <input type="checkbox"/> Conventional Survey <input type="checkbox"/> *GPS: Survey-Grade			
				*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (CHECK ONE)			
				<input checked="" type="checkbox"/> NAD-83 <input type="checkbox"/> Other (please specify):			

**SECTION 2. OWNER INFORMATION**

<b>Well Owner</b> FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL Freeport-McMoRan Miami Inc		<b>Landowner (if different from Well Owner)</b> FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL Freeport-McMoRan Miami Inc.	
MAILING ADDRESS P.O. Box 4444		MAILING ADDRESS P.O. Box 4444	
CITY / STATE / ZIP CODE Claypool AZ 85532		CITY / STATE / ZIP CODE Claypool, AZ 85532	
CONTACT PERSON NAME AND TITLE Chad Cooper, Chief Environmental Eng		CONTACT PERSON NAME AND TITLE Chad Cooper, Chief Environmental Engineer	
TELEPHONE NUMBER 928-473-7274	FAX 928473-7552	TELEPHONE NUMBER (928) 473-7274	FAX (928) 473-7552

**SECTION 3. ABANDONMENT AUTHORIZATION**

<b>Drilling Firm</b> NAME Excel Pump and Well Service, LLC		<b>Consultant (if applicable)</b> CONSULTING FIRM EMC <sup>2</sup>	
DWR LICENSE NUMBER 771	ROC LICENSE CATEGORY A-4 & K-53	CONTACT PERSON NAME Travis LaBlanc, P.E.	
TELEPHONE NUMBER (928) 812-7520	FAX (928) 425-7510	TELEPHONE NUMBER (602) 331-3859	FAX (602) 331-4104
E-MAIL ADDRESS tlablanc@emc-squared.net			

**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) Pinal Creek WQARF Site
2. Is there another well name or identification number associated with this well? (e.g., Lot 3 Well, MW-1, etc.)	X		PLEASE STATE LP SHALLOW
3. Was the well casing video logged?		X	
4. Why is the well being abandoned?	Webster Infill Project		

**Notice of Intent to Abandon a Well**

WELL REGISTRATION NUMBER  
**55 - 501961**

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	287	Not available	0	210	4		✓										
			210	270	4		✓								✓		0.02

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				
0	287								Information Not Available.			

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

DATE ABANDONMENT IS TO BEGIN  
**7/8/2010**

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	ESTIMATED 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)	POZZOLANIC CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS BENTONITE			SAND
						No perforating or casing removal required.	0	175	✓							See Remark	15
							175	287						✓		See Remark	31

<p><b>Proposed Abandonment Method (See Well Abandonment Handbook)</b></p> <p>CHECK ONE</p> <p><input type="checkbox"/> Standard Method <input type="checkbox"/> Alternative 4: <input checked="" type="checkbox"/> Other (please specify):</p> <p><input type="checkbox"/> Alternative 1 <input type="checkbox"/> Variance Option *</p> <p><input type="checkbox"/> Alternative 2 <input type="checkbox"/> Alternative 5:</p> <p><input type="checkbox"/> Alternative 3 <input type="checkbox"/> Variance Option 1* * requires a letter requesting a variance</p> <p><input type="checkbox"/> Variance Option 2*</p>	<p><b>Emplacement Method of Sealing or Fill Material</b></p> <p>CHECK ONE</p> <p><input type="checkbox"/> Gravity</p> <p><input type="checkbox"/> Pressure Grouting</p> <p><input checked="" type="checkbox"/> Tremie Pumped</p> <p><input type="checkbox"/> Other (please specify):</p>
--	--

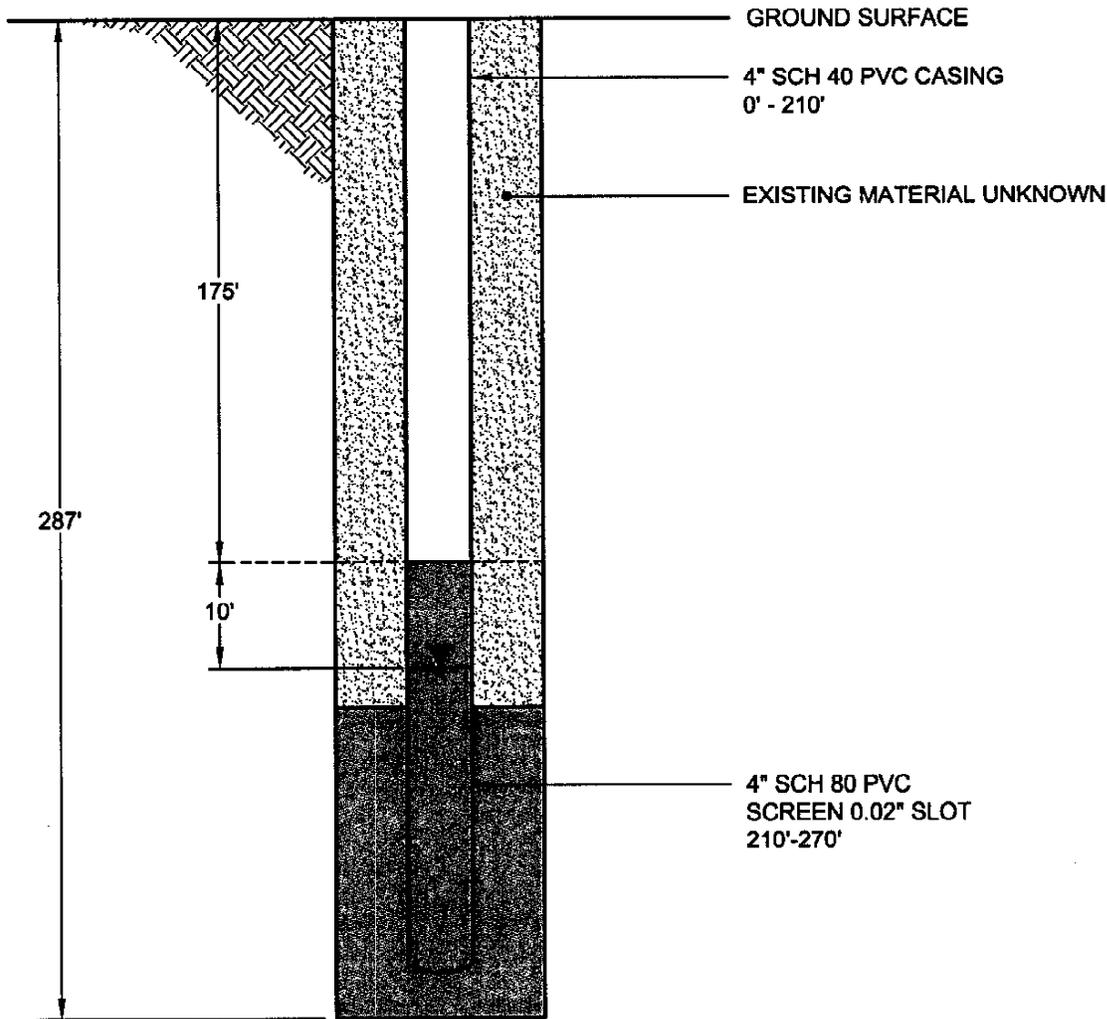
REMARKS Special well construction and abandonment procedures for Pinal Creek WQARF.

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.

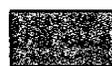
TYPE OR PRINT NAME AND TITLE <i>Chad G. Cooper, Environmental Engineer</i>	SIGNATURE OF WELL OWNER <i>Chad G. Cooper</i>	DATE <i>07/06/10</i>
TYPE OR PRINT NAME AND TITLE <b>Chad G. Cooper, Chief Environmental Engineer</b>	SIGNATURE OF LANDOWNER, IF APPLICABLE (SEE INSTRUCTIONS) <i>Same</i>	DATE

Table 1. Annular Seal Materials and Mixtures

Category	Specific Material	Mixing Ratio		Special Considerations
		Solids	Water	
Cement	Acid Resistant Cement (Pozzolanic Cement)	One sack of cement (94) lbs. and seventy-four (74) lbs. pozzolans (fly-ash, perlites, etc.). 2 to 6% of bentonite by weight is needed if perlites are used.	Not more than ten (10) gallons of water per sack of cement	Typically used in areas where low pH groundwater is encountered. If perlites are used, bentonite is needed to keep perlites from floating. Chemical admixtures and plasterizers may be used to reduce viscosity. This mixing ratio is in accordance with ASTM D5299.
Bentonite	High-Solids Bentonite Grout (dry powder)	Fifteen (15) lbs. dry bentonite powder.	Seven (7) gallons	Materials of mixtures must be emplaced under sufficient pressure to fill all voids, including all annular space(s), and displace water from the well. A tremie pipe must be used to emplace the grout from the bottom up. The end of the tremie pipe must remain in close proximity to the rising grout surface, as the grout is pumped into the well.



NOT TO SCALE

 FILL WITH HIGH SOLIDS BENTONITE GROUT (SEE TABLE 1 THIS FIGURE)

 FILL WITH POZZOLANIC CEMENT (SEE TABLE 1 THIS FIGURE)

**REFERENCE:**  
SPECIAL WELL CONSTRUCTION AND ABANDONMENT PROCEDURES FOR PINAL CREEK WATER QUALITY ASSURANCE REVOLVING FUND SITE MARCH 30, 2007.

Serving the Engineering and Environmental Needs of Industry  
Office in Phoenix AZ, Denver CO, and Portland OR



WELL ID: LP SHALLOW  
WELL ABANDONMENT DIAGRAM  
PREPARED FOR  
FREEPORT-MCMORAN MIAMI, INC.  
CLAYPOOL, ARIZONA

WELL REGISTRATION NUMBER:  
55-501961

ISSUED FOR: CNTRL. NOT WELL ABANDONMENT.  
Revised: REV 1

Drawn: L.O.D.  
Checked: S.A.H.  
Approved: L.N.G.  
Date: 06/17/10  
Dwg. No. 1233\_P007

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 Envirologic Systems, Inc.  
Name  
2425 So. Colo. Blvd Denver CO 80222  
Address

2. Lessee or Operator Same  
Name  
Address

3. Driller Drilling Services Co.  
Name  
9002 So. Hardy Dr., Tempe, Az 85284  
Address

4. Location of well: T1N, R14E, Sec 19, NE1/4NW1/4

5. Permit No. \_\_\_\_\_  
(if issued)

DESCRIPTION OF WELL

6. Total depth of hole 287 ft.

7. Type of Casing 4" schedule 40 PVC, flush threaded

8. Diameter and length of casing 4 in. from 0 to 270, \_\_\_\_\_ in from \_\_\_\_\_ to \_\_\_\_\_

9. Method of sealing at reduction points N/A cement grout into annulus

10. Perforated from 210 to 270, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_

11. Size of cuts .02 inch Number of cuts per foot 24

12. If screen was installed: Length 60 ft. Diam 4 in. Type 5 row .02" slotted

13. Method of construction rotary drilled  
drilled, dug, driven, bored, jacked, etc.

14. Date started February 12, 1982  
Month day year

15. Date completed February 12, 1982  
Month day year

16. Depth to water 185 ft. (If flowing well, so state.)

17. Describe point from which depth measurements were made, and give sea-level elevation if available. M.P. at top of steel surface cap at lock flange

Elev. 3749'

18. If flowing well, state method of flow regulation N/A

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

DO NOT WRITE IN THIS SPACE	
OFFICE RECORD	
Registration No. <u>55-501961</u>	
Received _____	By _____
Entered _____	By _____
File No. <u>A(1-14)19aba</u>	

(Well log to appear on Reverse side)



55-501961

Printed: 7/8/2010 3:09:00 PM

Arizona Department of Water Resources

3550 N Central Ave.  
Phoenix AZ 85012

Customer:

ENVIRONMENTAL MANAGEMENT  
CONSULTANTS CORP.  
1910 S. TRACEY  
BOZEMAN, MT 59715

Receipt #: 11-13283  
Office: GW Permitting  
Receipt Date: 7/8/2010  
Sale Type: Mail  
Cashier: WRACL

Item No.	Index	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
66330	15245	4439-6H	NOTICE OF INTENT TO ABANDON A WELL	55-563191 565943 501960 501961 542401 563180 -83 563187	10	150.00	1,500.00
<b>RECEIPT TOTAL:</b>							<b>1,500.00</b>

Payment type: CHECK

Amount Paid: \$1,500.00

Payment Received Date: 7/8/2010

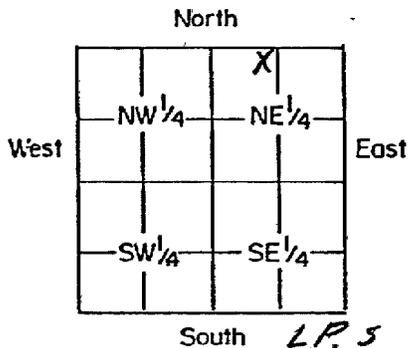
Notes:

Check # 9790

FILING FEE: \$3.00

NOTICE OF INTENTION TO DRILL OR DEEPEN AN 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 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 not more than 1 acre of land.



South L.P. 5

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

WELL/LAND LOCATION:

- 1. Township 1N
- 2. Range 14E
- 3. Section 19
- 4. NE 1/4 NW 1/4 NE 1/4  
10 acre sub-division
- 5. County Gila
- 6. Owner of Well:

Envirologic Systems, Inc  
Name  
2425 So. Colo. Blvd  
Address  
Denver CO 80222  
City State Zip

7. Owner of Land:  
Inspiration Consol. Copper Co  
Name  
Inspiration, AZ 85537  
Address  
City State Zip

DESCRIPTION OF WELL:

- 8. Diameter 4-in. I.D
- Depth 200
- 9. Type of Casing 4" Flush-thread PVC, Sch. 40
- 10. Principal use of Water.  
Water-Quality Monitoring

11. Other uses Intended

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

- 12. Construction will start about:  
Feb 1982  
Month Year

PLACE OF USE:

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

- 17. Design Pump Capacity  
25 gpm

- 18. Action Requested:  
Drill X  
Deepen \_\_\_\_\_  
Replace \_\_\_\_\_

- 19. This notice filed by:  
Owner X  
Lessee \_\_\_\_\_  
Driller \_\_\_\_\_

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD  
FILE NO A(1-14)19aba  
FILED 2-2-82 BY EK  
INPUT 2-2-82 BY M.Z.  
DUPLICATE MAILED 2-2-82 BY EK  
REGISTRATION NO 55-501961  
AMA NON EXPANSION AREA -

Envirologic Systems, Inc  
Name  
2425 So. Colorado Blvd  
Address  
Denver CO 80222  
City State Zip  
20. Drillers Name:  
Drilling Services Co.  
Name  
9002 So. Hardy Dr  
Address  
Tempe AZ 85283  
City State Zip

52  
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, Jim V. Rouse, 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 hold a contractors license pursuant to ARS 45-595.

Jan. 25, 1982  
Date

MICROFILMED

[Signature]  
Signature of Person Filing

Registration No. 55-501961  
Owner of  
Well Site Envirologic Systems, Inc  
File No. A(1-14)19aba

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

T1N R14E Sec 19 NE 1/4, NW 1/4, NE 1/4

Date Well Completed Feb 12, 1982 Depth of Well 287 ft.

1. Well Test:  
Test Pumping Capacity \_\_\_\_\_ Date Well Tested \_\_\_\_\_  
(Gal. per min.)

Method of Discharge Measurement \_\_\_\_\_  
(weir, orifice, current meter, etc.)

Static Groundwater Level 184.2 ft. Drawdown \_\_\_\_\_ ft.

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

2. Equipment Installed: 85 VBS IS BT-20

Kind of Pump None  
(turbine, centrifugal, etc.)

Kind of Power None H.P. Rating of Motor \_\_\_\_\_  
(Elec., Nat. Gas, Etc.)

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

William Bond  
Signature  
2425 S. Colorado Blvd.  
Address

April 7, 1982  
Date

Denver CO 80209  
City State Zip

MICROFILMED

State of Arizona  
DEPARTMENT OF WATER RESOURCES

99 E Virginia Avenue, Phoenix, Arizona 85004



BRUCE BABBITT, Governor  
WESLEY E. STEINER, Director

February 2, 1982

Envirolologic Syst., Inc.  
2425 So. Colo. Blvd.  
Denver, CO 80222

Registration No. 55-501943 thru 55-501968

Dear Well Owner:

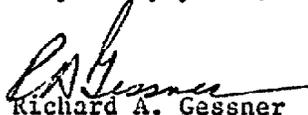
A copy of Notice of Intention to Drill a Well is returned to you for your records. Your driller has been mailed separately a Well Drilling Card, Well Drilling Report, and a Completion Report.

ARS 45-600 requires the driller to furnish this Department a complete and accurate log of the well within 30 days of completion of drilling, and a Completion Report within 30 days after installation of pumping equipment.

Also enclosed for your future use is a Change of Well Information Form. Per ARS 45-593, the person to whom a well is registered shall notify this Department of a change in ownership of the well and information pertaining to the physical aspects of the well to keep the well registration record current and accurate.

In the event it is necessary to change the location of the proposed well, you should obtain the written permission of the Department of Water Resources before proceeding with the drilling.

Very truly yours,

  
Richard A. Gessner  
Chief, Records Section

RAG  
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.

JIM V ROUSE  
 2425 S. CO. Blvd. S 200  
 DENVER, CO 80209

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

RECEIPT

KIND ENTRY	FILE REFERENCE NO.
55	501912 thru 55-5019
	THRU
55	501921 thru 55-501968

FUND SOURCE	ACCOUNT NO.			INT. ACCT.	ITEM DESCRIPTION	RATE	\$ AMOUNT
	AGENCY	CHAPTER	DIV.				
					Fee for notices of intent to drill (53) exempt wells	3.00	159.00
					Check#156		

WATER PAYMENT  
 GUESTS 159  
 CHK NO 156  
 530 3.00  
 55-I 159.00  
 TAX 0.00  
**TOTL 159.00**  
 GEN.CHEK 159.00

2/1/82/ek

TOTAL \$ # 4193 A 159.00



WELL DRILLER REPORT

Trcc LP Shallow

DEPARTMENT OF WATER RESOURCES

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 Enviologic Systems, Inc.  
Name  
2425 So Colo. Blvd Denver CO 80222  
Address
- 2. Lessee or Operator Same  
Name  
Address
- 3. Driller Drilling Services Co.  
Name  
9002 So. Hardy Dr., Tempe, Az 85284  
Address

4. Location of well: T1N, R14E, Sec 19, NE 1/4 NW 1/4 NE 1/4

5. Permit No. \_\_\_\_\_  
(if issued)

DESCRIPTION OF WELL

- 6. Total depth of hole 287 ft.
- 7. Type of Casing 4" schedule 40 PVC, flush threaded
- 8. Diameter and length of casing 4 in. from 0 to 270, \_\_\_\_\_ in from \_\_\_\_\_ to \_\_\_\_\_.
- 9. Method of sealing at reduction points N/A Cement grout in top annulus
- 10. Perforated from 210 to 270, from \_\_\_\_\_ to \_\_\_\_\_, from \_\_\_\_\_ to \_\_\_\_\_
- 11. Size of cuts .02 inch Number of cuts per foot 24
- 12. If screen was installed: Length 60 ft. Diam 4 in. Type 6 row .02" slotted
- 13. Method of construction rotary drilled  
drilled, dug, driven, bored, jetted, etc.
- 14. Date started February 12, 1982  
Month day year
- 15. Date completed February 12, 1982  
Month day year
- 16. Depth to water 185 ft. (If flowing well, so state.)
- 17. Describe point from which depth measurements were made, and give sea-level elevation if available. M.P. at top of steel surface cap at lock flange

18. If flowing well, state method of flow regulation N/A

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

DO NOT WRITE IN THIS SPACE  
OFFICE RECORD  
Registration No. 55-501961  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered 6-4-82 By A  
File No. A(1-14)19aba

(Well log to appear on Reverse side)

