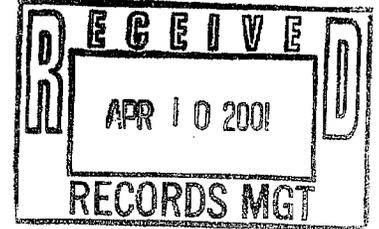


ARIZONA DEPARTMENT OF WATER RESOURCES

500 North 3rd Street  
Phoenix, Arizona 85004

WELL DRILLER REPORT

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



1. WEBER DRILLING  
453 EAST MECHAM DRIVE  
SAINT DAVID, AZ 85630-6235

2. Owner Name: Tucson Water  
Address: Tucson AZ 85726  
City State Zip

3. Location: 14 N S 11 E W 22 1/4 NW 1/4 NW 1/4 NW  
Township Range Section 10-acre 40-acre 160-acre

4. Well Registration No. 55-584180 (Required)

5. Permit No. \_\_\_\_\_ (If Issued)

DESCRIPTION OF WELL

6. Total depth of hole 340 ft.

7. Type of casing None

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

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 \_\_\_\_\_ ft. Diam \_\_\_\_\_ in. Type \_\_\_\_\_

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

14. Date started 3 28 01  
Month Day Year

15. Date completed 3 29 01  
Month Day Year

16. Depth to water Dry hole 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. 55- 584180  
File No. D(14-11) 22 BBB  
Received \_\_\_\_\_ By \_\_\_\_\_  
Entered \_\_\_\_\_ By \_\_\_\_\_

## LOG OF WELL

Indicate depth at which water was first encountered, and the depth and thickness of water bearing beds. If water is artesian, indicate depth at which encountered, and depth to which it rose in well.

From (feet)	To (feet)	Description of formation material
0	17'	Brown Clay
17	150'	Volcanic Conglomerate
150	210'	Brown Clay
210'	340	Volcanic Conglomerate
		Day hole

I hereby certify that this well was drilled by me (or under by supervision), and that each and all statements herein contained are true to the best of my knowledge and belief.

Driller Name: WEBER DRILLING  
 453 EAST MECHAM DRIVE  
 Street  
 SAINT DAVID, AZ 85630-6235  
 City State Zip Phone No.  
*Donald E. Weber* 4/7/01  
 Signature of Driller Date

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

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

**WELL REGISTRATION NO: 55-584180**

**AUTHORIZED DRILLER: WEBER DRILLING**

**LICENSE NO: 272**

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

**WELL OWNER: TUCSON WATER PO BOX 27210 TUCSON, AZ 85726**

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

**NW ¼ of the NW ¼ of the NW ¼ Section 22 Township 14 SOUTH Range 11 EAST**

**No. of wells in this project: 1**

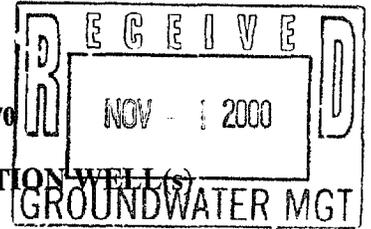
**THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE 31ST DAY OF OCTOBER, 2001**

  
**GROUNDWATER MANAGEMENT SUPPORT**

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



**ARIZONA DEPARTMENT OF WATER RESOURCES  
GROUNDWATER MANAGEMENT SUPPORT SECTION  
MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458  
FOR INFORMATION CALL: MONICA ORTIZ AT 602-417-2470**



**NOTICE OF INTENTION TO DRILL AND ABANDON EXPLORATION WELL(S)**

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

1. WELL / LAND LOCATION:  
    NW ¼    NW ¼    NW ¼      
10 ACRE  40 ACRE  160 ACRE  
 Section:     22      
 Township:     14 S    N/S      
 Range:     11 E    E/W
2. County:     Pima
3. Borderland Construction Co.  
 Applicant Name/Lessee (Circle one)  
400 East 38th Street  
 Address  
Tucson, Arizona 85713  
 City                    State            Zip  
Al Heimpel  
 Name of Contact Person  
 Phone Number: (520) 623-0900
4. Owner of Well:  
COT - Tucson Water  
 Name  
P.O. Box 27210  
 Address  
Tucson, AZ 85726  
 City                    State            Zip  
 Phone Number: (520) 791-2648
5. Purpose of well(s) drilled pursuant to this Notice:  
 Mineral Exploration \_\_\_\_\_  
 Geotechnical \_\_\_\_\_  
 Cathodic Protection XX  
 Grounding \_\_\_\_\_  
 Heat Pump \_\_\_\_\_
6. Number of Wells (Holes)     1
7. Owner of Land of Wellsite:  
COT - Tucson Water  
 Name  
P.O. Box 27210  
 Address  
Tucson, AZ 85726  
 City                    State            Zip  
Mike Sanders  
 Contact Person  
 Phone Number: (520) 791-2648
- DO NOT WRITE IN THIS SPACE  
OFFICE RECORD

File No. D(14-11)22B33  
 Filed 11-1-00  
 Input 11-15-00

DUPLICATE

Mailed 11-15-00 By md.  
 Registration 55-584180  
 AMA/INA Tucson  
 W/S 09 S/B 15  
md.
8. DESCRIPTION OF THE WELL:  
 Diameter     10     inches  
 Depth     338     feet  
 Type of casing. If none, state:  
    None, unless required      
Sch 40 PVC, if required
9. Construction will start:  
    11-1-2000      
 Month            Day            Year
10. Drilling Firm:  
Weber Drilling  
 Name  
453 Mechem Drive  
 Address  
St. David, Arizona 85630  
 City                    State            Zip  
 Phone Number 520-720-4800  
272  
 DWR License Number  
A-4  
 ROC License Category
11. Is the well to be available for re-entry?  
 Yes \_\_\_\_\_ No XX  
 If so, for how long? \_\_\_\_\_
12. Proposed method of abandonment of well(s) after project is completed:     In accordance with R12-15-816      
 \_\_\_\_\_, pursuant to R12-15-816.

13. Is the proposed wellsite within 100 feet of a septic tank system, sewage disposal area, landfill, hazardous waste facility, storage area of hazardous materials or petroleum storage area and tanks? Yes \_\_\_\_\_ No   ✓  

I state that this Notice is filed in compliance with Rule A.A.C. R12-15-809 and R12-15-816(F), and is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on the reverse side of this form.

14. Mike Sanders FOR CITY OF TUCSON, TUCSON WATER 10/16/00  
 Signature of Land Owner, Lessee or Exploration Firm Date

## NECESSARY STEPS AND INSTRUCTIONS TO OBTAIN DRILLING AUTHORITY

1. Arizona Revised Statute ("A.R.S.") § 45-596 requires the well owner, lessee or exploration firm to file two original Notices of Intention to Drill with original signatures prior to drilling an exploration well. More than one well (hole) may be drilled under a single Notice of Intent for mineral exploration and geotechnical wells, as long as they are located within a single section.
2. Information to complete items 1, 2 and 13 should be on your county tax receipt or available at the County Assessor's Office. The location of mineral exploration and geotechnical wells may be limited to the section, township and range. However, a complete legal description may be provided at the option of the well owner.
3. Information to complete items 8, 9 and 10 should be available from your driller.
4. Should any entity other than the well owner, lessee or exploration firm sign the Notice of Intent an original **notarized** letter of authorization from the well owner, lessee or exploration firm must accompany the Notices.
5. In accordance with A.R.S. § 45-113, please submit a \$10.00 processing fee with the Notice. Mail them to P. O. Box 458, Phoenix, Arizona, 85001-0458, or hand deliver to 500 North Third Street, Phoenix, Arizona.

## CONSTRUCTION AND FOLLOW-UP REQUIREMENTS

1. Construction and abandonment standards for all wells must be in accordance with Department Rules.
2. No drilling authority is necessary for mineral exploration, geotechnical, cathodic protection, grounding and heat pump holes of 100 feet of depth or less. However, if water is encountered during the drilling of these well(s), the well(s) must be abandoned in accordance with Arizona Administrative Code ("A.A.C.") R12-15-816.
3. The drilling contractor is not required to file a Notice of Intent to Abandon if the well(s) are abandoned in the course of drilling, however, the drilling rig must not be removed from the well site before the abandonment is complete, otherwise, a Notice of Intent to Abandon must be filed prior to abandonment, and abandonment may not commence until Department authority has been issued. A geotechnical well with a granted variance must be abandoned before the drilling rig is removed from the site.
4. Whether or not an abandonment authorization card was issued or required, Arizona Administrative Code R12-15-816(F) requires a Well Abandonment Completion Report be filed within 30 days of abandonment.
5. Pursuant to A.R.S. § 45-596(E), drilling of well(s) must be completed within one year after the date of the Notice of Intent. If the well(s) are not completed within one year, a new Notice of Intent to Drill must be filed with the Department before proceeding with further construction.
6. Within thirty (30) days of completion of drilling geotechnical, cathodic protection, grounding or heat pump wells, a Well Driller Report and Log of Well form must be filed. Within thirty (30) days of completion of drilling mineral exploration holes, a Project Completion Report form must be filed. If the drilling project included multiple holes (authorized by the issuance of a single drill card for the project as a whole), a single report will suffice, however, a cover letter identifying the number of holes drilled, unusual problems associated with the project, or variations in hole design should be included.
7. Pump equipment may not be installed in wells (holes) drilled for mineral exploration, geotechnical, cathodic protection or grounding purposes.

## TIME FRAME FOR REVIEW OF YOUR APPLICATION

Within fifteen (15) days after receipt of your Notice of Intention, the Department will determine whether your application should be granted or denied, unless this time is extended because your application is deemed incomplete or incorrect.

If your application is incomplete or incorrect, the Department will notify you in writing and will specify what information is necessary to make the application complete and correct. Until the missing information is received, the time frame for review of your application will be suspended. Your application will not be complete and correct until all of the requested information is received. If you do not supply the missing information within sixty (60) days, the Department may deem your application for drilling authority withdrawn and close the file.

At the end of its review, the Department will send you written notice either granting or denying your application for drilling authority. If your application is approved, the Drill Card will be mailed directly to the drilling company. If denied, the Department's notice will state justification for the denial and an explanation of your right to appeal.

1197 S SANDARIO RD PC

**DEVELOPMENT SERVICES DEPARTMENT**  
201 N. STONE AVENUE, 1ST FLOOR TUCSON, AZ 85701  
PHONE: 740-6480 FAX: 740-6370

**OFFICIAL ADDRESS CERTIFICATE**  
**PIMA COUNTY, ARIZONA**  
**ADDRESS ISSUING AGENCY**  
**ACTIVITY P00AN01659**

JURISDICTION: PIMA COUNTY

**ASSIGNED ADDRESS:**  
1197 S SANDARIO RD PC

**SPECIAL CONDITONS**  
1: ELECTRIC FOR RECTIFIER LOCATED 40' EAST AND 40' S OF NORTH  
SECTION LINE OF 14-11E-22.

LEGAL:

TYPE: BOOK: 0 PAGE: 0 BLOCK: LOT:

TOWNSHIP-RANGE-SECTION: 14-11E-22

TAX CODE NUMBER(S):

DEED (DOCKET/PAGE): 0/ 0

ZONING MAP NUMBER:

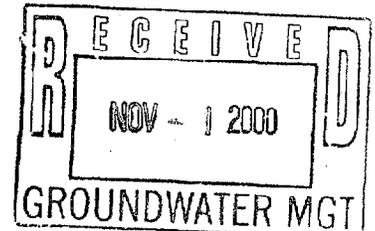
NAME OF BUSINESS:

REASON FOR ASSIGNMENT: NEW ASSIGNMENT

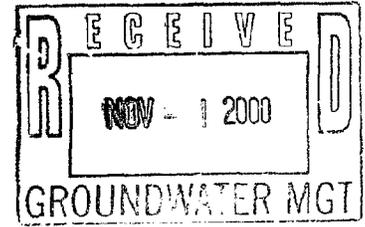
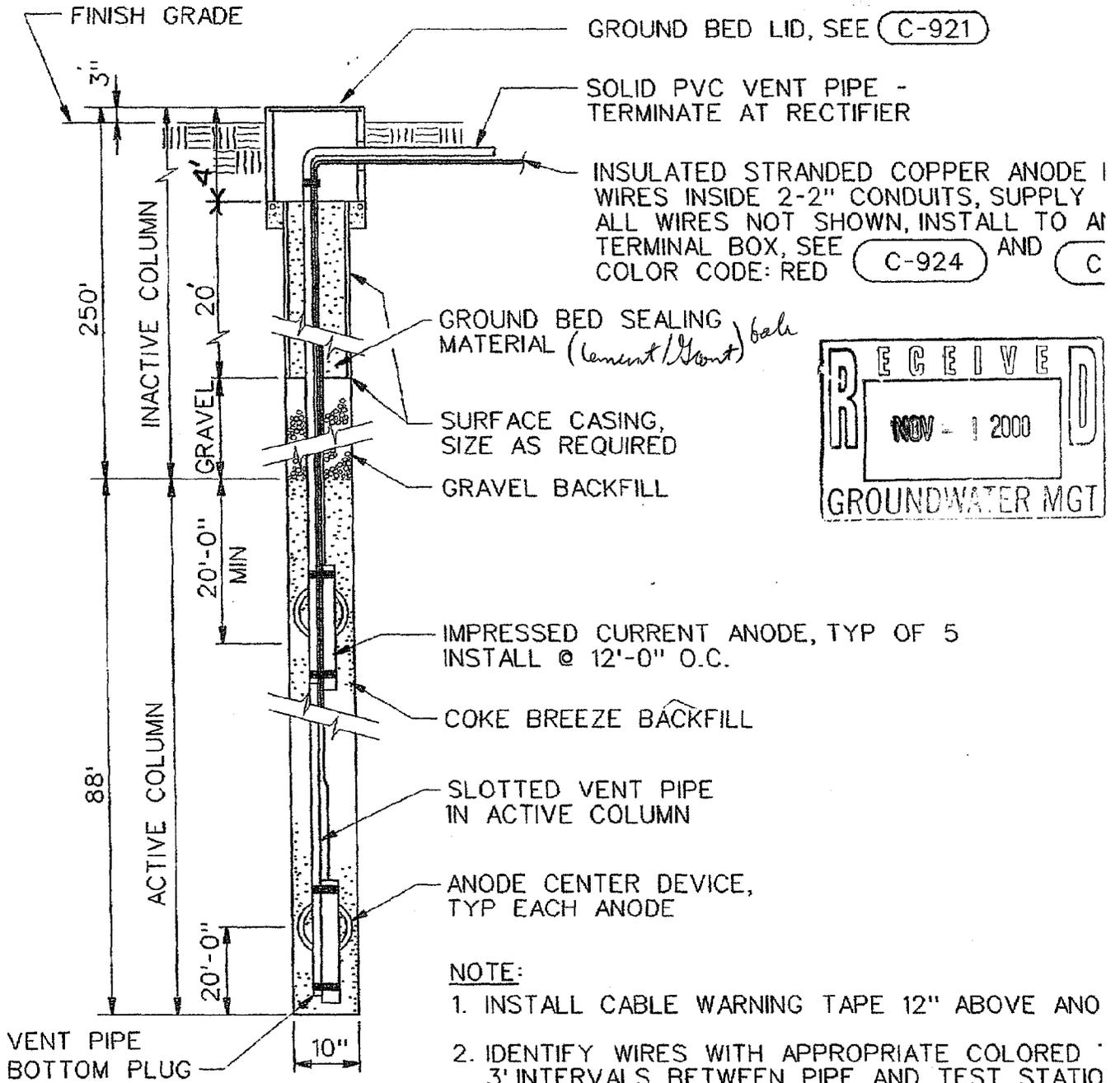
ISSUED TO: BUD

ISSUED BY: DSCHOENI

DATE: 09/20/2000



**NOTE: ASSIGNMENT OF AN ADDRESS DOES NOT  
ASSURE ZONING APPROVAL OR ISSUANCE OF A PERMIT!**



# DEEP ANODE GROUND BED

NTS

C-920



CP DRILL HOLE SEE C-920

MATCHLINE STA 245+00 SEE DWG C-30

TRICO  
POLE  
#2103

E&T(UG)

50' HE

40' TOE

18' CMP

B/W

N89° 27' 27" E  
2612.35'

16.15

21.22

T14 R11 SEC 22  
T14 R11 SEC 21

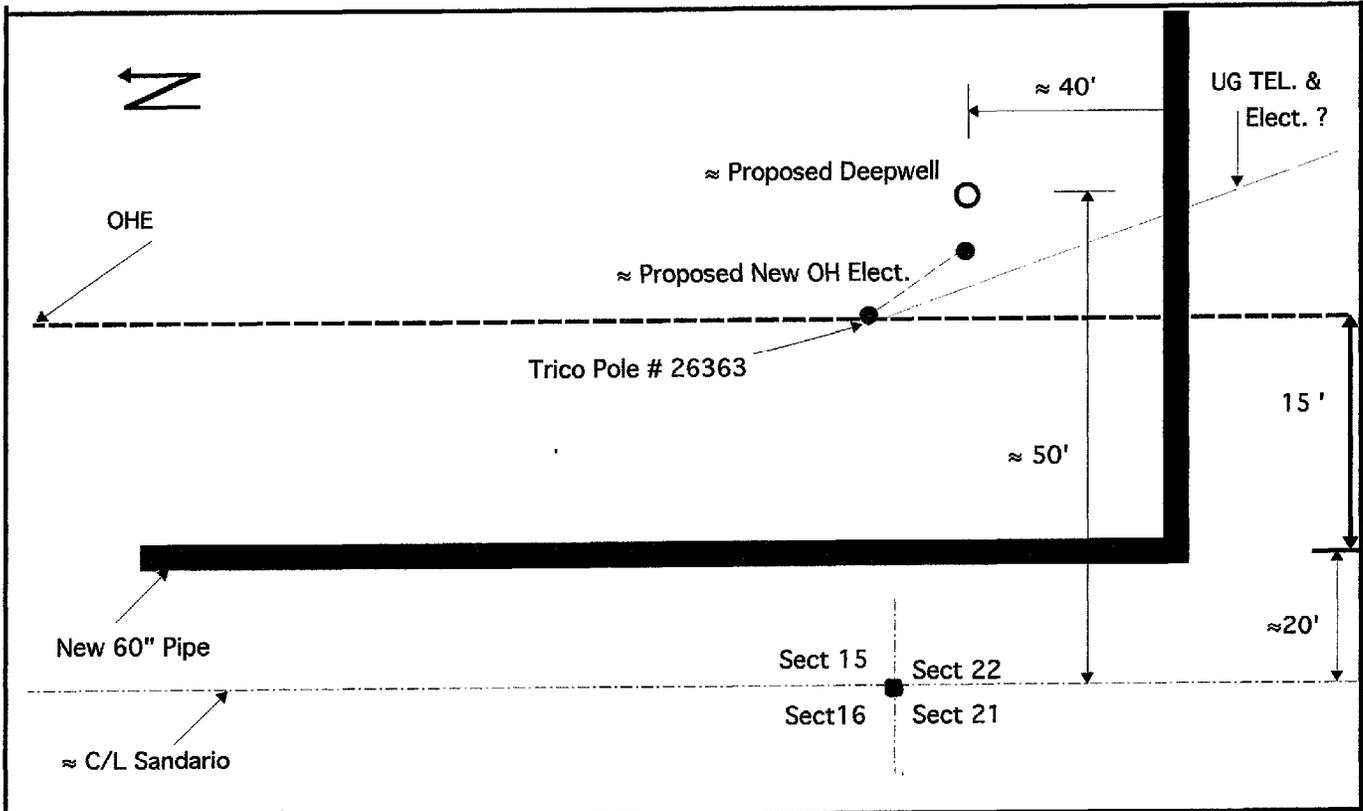
30" OUTLET  
SEE DWG C-52

SECTION CORNER  
N 438928.43  
E 916238.16

CAUTION  
OVERHEAD  
POWERLINE

11 STA 244+54.08  
60" x 60" x 60" TEE  
HORIZ 90° 6' 25"

GROUNDWATER  
RECEIVE



Legals: T 14 R 11 Sect 22	Borderland Const.		CAVSARP Relocate Well at 225+00 to 244+10
	Attn. Doug Reynolds		Trico Pole # 26363 1197 S. Sandario
	9/21/00	NOT TO SCALE	BOA
			No Rig clearance at 225+00

**GOUDY ENGINEERING, INC.**  
P.O. Box 18258\* Tucson, AZ 85731\*(520) 298-1104

RECEIVED  
 NOV - 1 2000  
 GROUNDWATER MGT

**ARIZONA DEPARTMENT OF WATER RESOURCES**

500 North 3rd Street, Phoenix, Arizona 85004

Telephone (602) 417-2470

Fax (602) 417-2422



**JANE DEE HULL**  
Governor

**RITA PEARSON MAGUIRE**  
Director

November 15, 2000

TUCSON WATER  
PO BOX 27210  
TUCSON, AZ 85726

Registration No. 55-584180  
File No. D(14-11) 22 BBB

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill a well. This is returned to you as evidence of compliance with A.R.S. §45-596. A drilling card has been mailed to your designated driller. Prior to drilling he must have it in his possession.

Since this well is being drilled as a Monitor well, or for Cathodic Protection, Grounding, Geotechnical or Piezometer purposes, our standard driller report form is also being furnished to the driller. He is required to complete it and return it to the Department within 30 days after the completion of the well. A Completion Report form is being furnished for monitor wells where pump installation is authorized. This must be completed within thirty days of installation as required by A.R.S. §45-600.

A Change of Well Information form is enclosed for your future use. If you deem it necessary to change the location of the proposed well, please notify the Department on the enclosed form. A properly amended Drilling Card will then be issued and must be in possession of the driller before drilling begins. During the drilling of a new well, if it is determined that it must be abandoned, then a Well Abandonment Completion Report must be submitted per R12-15-816.F.

Per A.R.S. §45-593, the person to whom a well is registered shall notify this Department of a change of ownership of the well and/or information pertaining to the physical characteristics of the well, in order to keep the well registration file current and accurate.

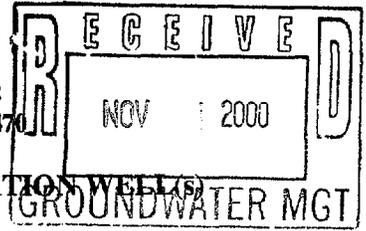
Sincerely,

A handwritten signature in cursive script that reads "Monica Ortiz".

Monica Ortiz  
Water Resource Technician  
Groundwater Management Support Section

Enclosures

ARIZONA DEPARTMENT OF WATER RESOURCES  
 GROUNDWATER MANAGEMENT SUPPORT SECTION  
 MAIL TO: P.O. BOX 458, PHOENIX, ARIZONA 85001-0458  
 FOR INFORMATION CALL: MONICA ORTIZ AT 602-417-2470



NOTICE OF INTENTION TO DRILL AND ABANDON EXPLORATION WELLS

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

- WELL / LAND LOCATION:
  - NW 1/4 40 ACRE, NW 1/4 40 ACRE, NW 1/4 160 ACRE
  - Section: 22
  - Township: 14 S N/S
  - Range: 11 E E/W
- County: Pima
- Borderland Construction Co.  
 Applicant Name/Lessee (Circle one)  
 400 East 38th Street  
 Address  
 Tucson, Arizona 85713  
 City State Zip  
 Al Heimpel  
 Name of Contact Person  
 Phone Number: (520) 623-0900
- Purpose of well(s) drilled pursuant to this Notice:
  - Mineral Exploration \_\_\_\_\_
  - Geotechnical \_\_\_\_\_
  - Cathodic Protection XX \_\_\_\_\_
  - Grounding \_\_\_\_\_
  - Heat Pump \_\_\_\_\_
- Number of Wells (Holes) 1
- Owner of Land of Wellsite:
  - COT - Tucson Water  
 Name  
 P.O. Box 27210  
 Address  
 Tucson, AZ. 85726  
 City State Zip  
 Mike Sanders  
 Contact Person  
 Phone Number: (520) 791-2648
- DESCRIPTION OF THE WELL:
  - Diameter 10 inches
  - Depth 338 feet
  - Type of casing. If none, state: None, unless required
  - Sch 40 PVC, if required
- Construction will start: 11-1-2000  
 Month Day Year
- Drilling Firm:
  - Weber Drilling  
 Name  
 453 Mecham Drive  
 Address  
 St. David, Arizona 85630  
 City State Zip  
 Phone Number 520-720-4800

DO NOT WRITE IN THIS SPACE

VOID MONEY ORDER VOID

15238 4439-06 068360821

Payable at Norwest Bank Grand Junction  
 Downtown, N.A., Grand Junction, Colorado  
 82-401021

PAY EXACTLY NOT GOOD OVER \$1,000

DATE Oct 30, 2000

PAY TO THE ORDER OF AZ Dept of Water Resources

310 W Alameda

ISSUED BY Integrated Payment Systems Inc., Englewood, Colorado

TO THE TERMS ON THE REVERSE SIDE

- 272
- DWR License Number
- A-4
- LOC License Category
- the well to be available for re-entry?
- Yes \_\_\_\_\_ No XX \_\_\_\_\_
- if so, for how long?
- R12-15-816
- pursuant to R12-15-816.
- site facility, storage area of hazardous

materials or petroleum storage area and tanks? Yes \_\_\_\_\_ No

I state that this Notice is filed in compliance with Rule A.A.C. R12-15-809 and R12-15-816(F), and is complete and correct to the best of my knowledge and belief and that I understand the conditions set forth on the reverse side of this form.

14. Mike Sanders FOR CITY OF TUCSON, TUCSON WATER 10/16/00  
 Signature of Land Owner, Lessee or Exploration Firm Date

## VARIANCE CHECKLIST - HYDROLOGY

DATE RECEIVED 11-1-00 POTENTIAL REG. № 55- \_\_\_\_\_  
 DATE TO HYDRO 11-3-00  
 DATE TO GMSS 11-14-00 55-584178 THRU 55-584180

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

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

**TYPE AND NUMBER OF WELLS:**

_____ MONITOR	<u>3</u>	CATHODIC PROTECTION
_____ PIEZOMETER	_____	GROUNDING
_____ GEOTECHNICAL	_____	HEAT PUMP
_____ MINERAL EXPLORATION	_____	
_____ WATER PRODUCTION	_____	OTHER _____

DESCRIBE TYPE OF WELL

**VARIANCE:**

_____ REQUIRED	_____ GRANTED
<u>X</u> NOT REQUIRED	_____ NOT GRANTED
	_____ LETTER ISSUED

**ATTENTION!!! NOTICE OF INTENT TEAM:**

\_\_\_\_\_ HARD COPY OF LETTER TO FOLLOW  
 \_\_\_\_\_ CALL FOR PICKUP

**COMMENTS:**

11-8 Tried to call Sanders for sealing material - no luck (x2)  
" " Don't know  
11-9 All dumped to find out  
11-14 Authorized to modify diagrams  
OK - Gal