

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 CITY OF PHOENIX
Name
2441 South 22nd Avenue Phoenix, Arizona 85036
Mailing Address

2. Driller Manuel F. Hernandez
Name
3737 East Broadway Road Phoenix, Arizona 85036
Mailing Address

3. Location of well: 4019 West Glenrosa Phoenix, Arizona

4. Permit No. _____
(if issued)



DESCRIPTION OF WELL

- 5. Total depth of hole 130 ft.
- 6. Type of casing PVC
- 7. Diameter and length of casing 4 in. from 0 to 130, _____ in from _____ to _____.
- 8. Method of sealing at reduction points No reduction points
- 9. Perforated from 90 to 130, from _____ to _____, from _____ to _____.
- 10. Size of cuts .020 Number of cuts per foot _____
- 11. If screen was installed: Length 40 ft. Diam 4 in. Type PVC
- 12. Method of construction Drilled
drilled, dug, driven, bored, jetted, etc.
- 13. Date started 6/16/86
Month Day Year
- 14. Date completed 6/20/86
Month Day Year
- 15. Depth to water 115' static _____ ft. (If flowing well, so state.)
- 16. Describe point from which depth measurements were made, and give sea-level elevation if available ground level
- 17. If flowing well, state method of flow regulation: Static water
- 18. Remarks: _____

MICROFILMED

DO NOT WRITE IN THIS SPACE
OFFICE RECORD
Registration No. 55-514565
Received _____ By _____
Entered **ENTERED SEP 1 1987** By _____
File No. A(2-2)22 cac

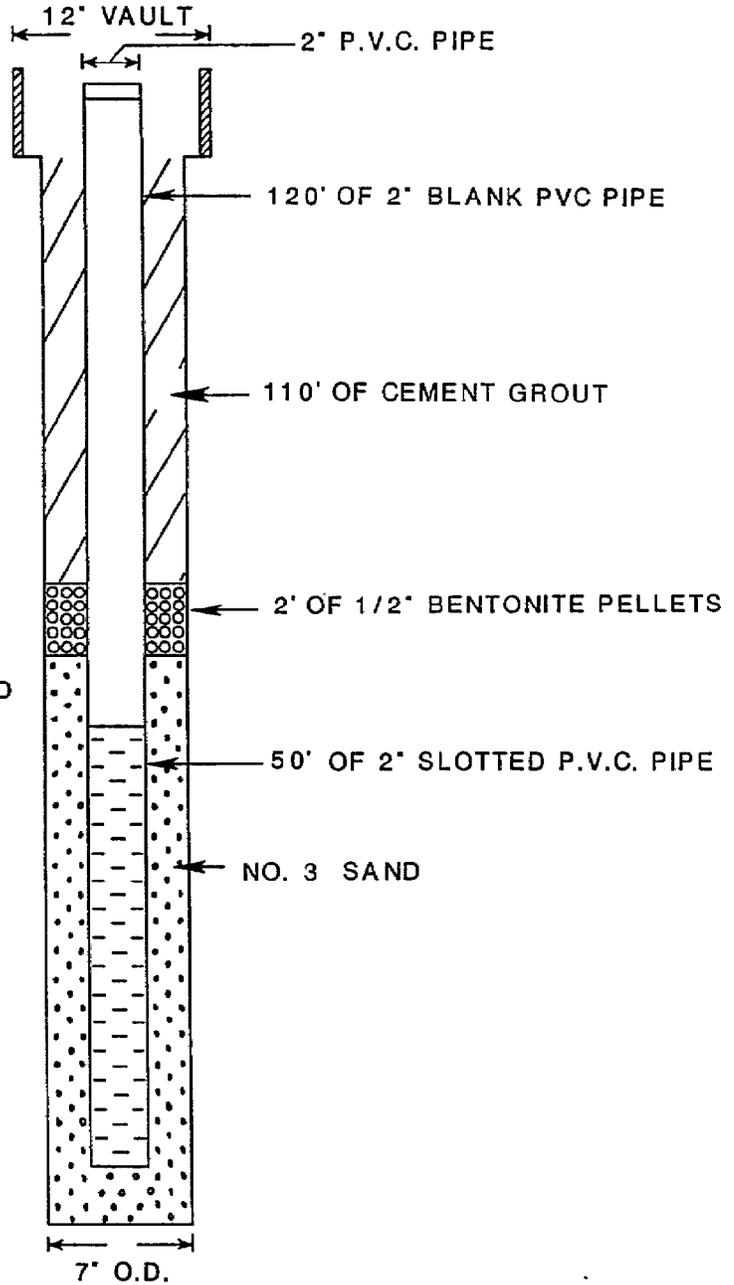
Date _____



WATER TIGHT VAULT

WATER MONITORING WELL

- 170' FT. DEEP
- 2" PVC PIPE
- WATER TIGHT STEEL VAULT
- 2' X 2' X 6' CONCRETE SURFACE PAD
- LOCATION: CITY OF PHOENIX
N.W. SERVICE CENTER



MICROFILMED

Checked By _____

Date _____

s. f.

Prepared By _____



MONITOR/PIEZOMETER WELL
FILING FEE \$10.00

DEPARTMENT OF WATER RESOURCES (DWR)
NOTICE OF INTENTION TO DRILL
MONITOR/PIEZOMETER WELL

MONITOR/PIEZOMETER WELL
Well 6 of 7

Section 45-596, Arizona Revised Statutes and Rule R12-15-817 provide: Prior to drilling a monitor or piezometer well, the well owner or lessee shall file a Notice of Intention to Drill on a form provided by the Department.

WELL/LAND LOCATION

1. Township 2N N/S
Range 2E E/W
Section 22

List 10-acre subdivision
NW SE
SW NE $\frac{1}{4}$, $\frac{1}{4}$, SW $\frac{1}{4}$

2. County Maricopa

3. Applicant:

Western Technologies Inc.
Name

3737 East Broadway Road
Address

Phoenix, Arizona 85036
City State Zip

4. Gabriel R. Escamillo, Jr.
NAME OF CONTACT PERSON

Phone: 437-3737

Agency: _____

5. Owner of well:

City of Phoenix
Name

2441 South 22nd Avenue
Address

Phoenix, Arizona 85009
City State Zip

6. Purpose of well drilled pursuant to this Notice:

Monitor _____
Piezometer X

7. Owner of land:
City of Phoenix
Name

2441 South 22nd Avenue
Address

Phoenix, Arizona 85036
City State Zip

256-3248
Telephone number

8. Construction will start:
6/12/86
Month Day Year

9. Period well will remain in use: 1 year months/years

DO NOT WRITE IN THIS SPACE
OFFICE RECORD

File No. A(2-2)22 cdb

Filed 6-10-86 By mg

Input 6-13-86 By lu

Duplicate Mailed 6-11-86 By mg

Registration No. 53-514565

AMA/INA Phoenix

W/S 07 S/B 04

GENERAL INSTRUCTIONS

Fill out this form in duplicate and mail to Department of Water Resources, 100, 99 East Virginia, Phoenix, Arizona 85004. Filing fee must accompany Notice.

I state that this Notice is filed in compliance with Rule R12-15-809 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.

DATE 6/9/86

Gabriel R. Escamillo Jr.
Signature of Applicant

10. For monitoring wells, is pump equipment to be installed? No

(a) If so, what will be the design pump capacity? N/A gallons per minute

(b) Type of pump (submersible, turbine, etc.)
N/A

(c) What use will be made of the water?
Contamination determination _____

11. Proposed method of abandonment of well after project is completed:

Per DWR Registration

R 12-15-816

HYDROLOGY

APPROVED

RKF

12. Drilled by Western Technologies Inc.
Name

3737 East Broadway Road
Address

Phoenix, Arizona 85036
City State Zip

263
DWR License Number

(continued on reverse)

MICROFILMED

13. Is this well to monitor existing contamination? Yes _____ Potential contamination? Fuel
 Please explain Fuel has leaked from underground fuel tanks.
-
14. If construction plans have been coordinated with Az. Dept. Health Services, Environmental Health Division, who is the agency contact? Chuck Gordon
 If construction plans have been coordinated with Az. Dept. Water Resources, Hydrology/Remedial Action Division, who is the division contact? Clay Cady
15. WELL CONSTRUCTION PLAN
- a) Drilling method (mud rotary, hollow-stem auger, etc.) Hollow-stem auger
- b) Borehole diameters: 7" inches from 0 feet to 170 feet
 _____ inches from _____ feet to _____ feet
 _____ inches from _____ feet to _____ feet
- c) Casing materials (PVC, steel, stainless steel, etc.):
 material Threaded PVC diameter 2" inches from 0 feet to 170 feet
 material _____ diameter _____ inches from _____ feet to _____ feet
 material _____ diameter _____ inches from _____ feet to _____ feet
- d) Method of sealing at reductions No reductions expected
- e) Annular seal materials (cement, grout, etc.) and method of placement (tremied, circulated):
 material Cement grout method Tremied from 0 feet to 110 feet
 material _____ method _____ from _____ feet to _____ feet
 material _____ method _____ from _____ feet to _____ feet
- f) Gravel packs (state material, and whether natural or artificial):
 material Number 3 sand from 110 feet to 170 feet
 material _____ from _____ feet to _____ feet
- g) Perforations (if pre-manufactured, please give specs of perforations or screens):
 type PVC Screen No. .020 Slotts from 120 feet to 170 feet
 type _____ from _____ feet to _____ feet
- h) Method of well development (bail, air lift, surge) Bail/surge
- i) Will surface or conductor casing extending above grade be used to protect the aquifer from additional surface contaminants during drilling and construction? No
16. Include detailed construction diagram, if available.

CONDITIONS

- I. Construction and abandonment standards for all wells shall be in accordance with DWR rules R12-15-811 and R12-15-816.
- II. Drilling of the well shall be completed within one (1) year after the date of Notice.
- III. A Well Driller Report, DWR-55-6-5/83, is required within 30 days of completion of drilling. A Completion Report, DWR-55-7-3/83, is required to be filed with the Department within 10 days after installation of pump equipment for monitor wells.
- IV. Pump equipment may not be installed on a well drilled for piezometer purposes. If a monitor well is pumped, pumping is limited to the minimum amount required for monitor purposes, but in no case may exceed 35 gallons per minute and an annual amount of 10 acre feet total.
- V. Special construction standards required pursuant to R12-15-821: _____

MICROFILMED

State of Arizona
DEPARTMENT OF WATER RESOURCES
99 E Virginia Avenue, Phoenix, Arizona 85004

BRUCE BABBITT, Governor
KATHLEEN FERRIS, Director

June 10, 1986

Mr. Gabriel R. Escamillo, Jr.
Western Technologies, Inc.
P.O. Box 21387
Phoenix, Arizona 85036

Re: Request for Variance

Dear Mr. Escamillo:

We are in receipt of your letter dated June 9, 1986 requesting a construction variance for 7 piezometer wells. This letter constitutes our approval as described below.

The requirement to incorporate 20 feet of steel surface casing with 1 foot extending above grade is waived. Instead, 2" PVC casing may be used with the required grout seal, and the casing may terminate below ground level with a steel water tight vault constructed around the well. Also, a water tight cap shall be provided for the 2" P.V.C. casing.

If you have any questions, please call me.

Sincerely,

Robert K. Fifield

Robert K. Fifield
Hydrologist
Hydrology Division

mb

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



**WESTERN
TECHNOLOGIES
INC.**

3737 East Broadway Road
P.O. Box 21387
Phoenix, Arizona 85036
(602) 437-3737

Department of Water Resources
99 East Virginia Avenue
Phoenix, Arizona 85004

June 9, 1986

Re: Request for Variance

Ref. No. 2176J181

Dear Sirs:

The City of Phoenix has contracted with us to install 7 pizometers at the N.W. Service Center. The location services City of Phoenix vehicles and has heavy traffic. We request a variance on the seven wells to include the following:

- The well be completed flush with the ground surface with a water tight vault and a 2' x 2' x 6" concrete pad.
- That the requirement for a 20' steel surface casing be deleted.

We thank you for your consideration.

Sincerely,

WESTERN TECHNOLOGIES INC.
Geotechnical Exploration

Gabriel R. Escamillo Jr.

Gabriel R. Escamillo, Jr.
Manager

jh

MICROFILMED

WESTERN TECHNOLOGIES INC
 P O BOX 21387
 PHOENIX ARIZONA 85036

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

CITY OF PHOENIX

RECEIPT

KIND ENTRY	FILE REFERENCE NO.
55	514559
	THRU
55	514566

FUND SOURCE	ACCOUNT NO.			INT. ACCT.	ITEM DESCRIPTION	RATE	\$ AMOUNT
	AGENCY	CHAPTER	DIV.				
					ILLINOIS FEE FOR NOTICE OF INTENTION TO DRILL	10.00	70.00
					7 WELLS		
					FILE NO A(2-2) 22 cac REG NO 55-514559		
					A(2-2) 22 cac 55-514561		
					A(2-2) 22 cac 55-514562		
					A(2-2) 22 cac 55-514563		
					A(2-2) 22 cac 55-514564		
					A(2-2) 22 cac 55-514565		
					A(2-2) 22 cac 55-514566		
					WAITER PAYMENT		
					GUESTS 1		
					CHK NO 202275		
					55-1 70.00		
					TRX 0.00		
					TOTL 70.00		
					GEN.CHEK 70.00		

CHECK NO 202275
 6-11-86 mg

TOTAL \$70.00 9:55

MICROFILMED

State of Arizona

DEPARTMENT OF WATER RESOURCES

99 E. Virginia Avenue, Phoenix, Arizona 85004

June 11, 1986



City of Phoenix
2441 South 22nd Ave.
Phoenix, Arizona 85009

Registration No. 55-514559 Thru 55-514566
File No. Various
BRUCE BABBITT, Governor
WESLEY E. STEINER, Director

Dear Well Owner:

Enclosed for your records is an annotated copy of the Notice of Intention to Drill an exploration well which was recently filed with this Department. This is returned to you as evidence of compliance with A.R.S. §45-596. Your designated driller has been mailed separately a Well Drilling Card which he is required to have in his possession before commencing to drill the well.



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 which he is required to complete and return to the Department within 30 days after the completion of drilling. A Completion Report form is being furnished for monitor wells where pump equipment is authorized to be installed as part of this packet so that you may submit the report within 30 days after the installation of pumping equipment on a monitor well as required by A.R.S. §45-600.

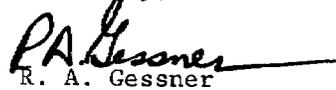


This well is authorized to be drilled for mineral exploration purposes. Because of this, no pump equipment may be installed. A Project Completion Report is being furnished your designated driller for each hole to be drilled. Your driller is required to submit this Project Completion Report within 30 days after completion of drilling. You should insist that this is done.

For monitor, geotechnical, cathodic protection, grounding and piezometer wells, you should obtain the written permission of the Department of Water Resources before proceeding with the drilling in the event that you determine it necessary to change the location of the proposed well. A properly signed amended Drilling Card must be in the possession of the driller before drilling commences at a different location than originally authorized.

For your future use, a Change of Well Information form is enclosed should it become needed. 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, including abandonment, in order to keep the well registration file current and accurate.

Sincerely,


R. A. Gessner

Chief, Operations Division

RAG:mg
Enclosures
DWR-55-8-8/84

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.

**WESTERN
TECHNOLOGIES
INC.**

3737 East Broadway Road
P O Box 21387
Phoenix, Arizona 85036
602-437-3737



Gabriel R. Escamillo, Jr.
Associate / Manager
Geotechnical Exploration

2021223321232123

Quality Management
Geotechnical, Construction Materials, Chemistry & Environmental Engineering
ARIZONA • NEVADA • NEW MEXICO

Arizona Department of Water Resources
99 East Virginia Avenue
Phoenix, Arizona 85004

March 16, 1987

Attn: Marge Watson

Re: Change of Legal Description

Dear Marge:

The following is a list of wells that were requested by me for the City of Phoenix North West Service Center Project. I used the wrong legal description. Please correct them for me.

<u>ADWR REGISTRATION NUMBER</u>	<u>MONITORING WELL NUMBER</u>	<u>1/4 SECTIONS</u>
-514429	8	CDB
-514559	1	CDB
-514561	2	CDB
-514562	3	CDB
-514563	4	CDB
-514564	6	CDB
-514565	7	CDB
-514566	GTP	CDB
-514743	9	CAC
-514744	10	CDB
-514745	11	CDB
-514746	12	CAC
-514747	13	CAC
-515553	14	CAC
-515554	15	CAC
-515555	16	CAC
-515556	17	CAC
-515557	18	CAC

515558 and 515979 have yet to be used.

Sincerely,

WESTERN TECHNOLOGIES INC.
Geotechnical Exploration

Gabriel R. Escamillo Jr

Gabriel R. Escamillo, Jr.
Director



MICROFILMED

ENTERED MAR 27 1987

DEPARTMENT OF WATER RESOURCES
99 East Virginia Avenue
Suite 100
Phoenix, Arizona 85004

CHANGE OF WELL INFORMATION

Registration No. 514565

I request the following information be changed in Well File Number A(2-2)22CDB

Date _____, 19____ Signature of Well Owner _____

STATEMENT OF CHANGE OF WELL OWNERSHIP

I, Groundwater Technology, Inc., state that I am (~~no longer~~) the (new) owner of the well described below:

Township 2N Range 2E Section 22, NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$

Registration #55- 514565 File No. (A-2-2)22CDB

<u>Susan Keith</u> Previous Owner	<u>Water Quality Advisor</u> City of Phoenix	<u>Groundwater Technology, Inc.</u> New Owner
<u>101 S. Central</u> Address	<u>5th floor</u> Barrister Place	<u>607 S. 48th St, #103</u> Address
<u>Phoenix</u> City	<u>AZ</u> State	<u>85004</u> Zip
<u>Tempe</u> City	<u>AZ</u> State	<u>85281</u> 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.

ENTERED NOV 25 1987

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

MICROFILMED

