

AFFIDAVIT

THE STATE OF TEXAS

§

COUNTY OF MCLENNAN

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BEFORE ME, the undersigned authority, on this day personally appeared Chuck White, who being duly sworn, upon oath deposes and says:

“My name is Chuck White. I represent Axtell WSC (if applicable). I am over 18 years of age, competent to make this affidavit, and am familiar with the facts herein stated and believe them to be true.

I have substantially complied with the requirements of the Southern Trinity Groundwater Conservation District’s Rules to provide notification by first class mail to landowners, well owners and well operators within one half-mile of the well or wells for which I or the entity I represent seek(s) a Historic Use Production Permit. Such notification was made not less than 10 days before the public hearing scheduled to consider the application for a Historic Use Production Permit.”

Chuck White
Affiant Chuck White
 President
 Axtell W.S.C.

Sworn to and subscribed before me on this 19th day of November 2012



Tricia Law
Notary Public in and for the State of Texas

Southern Trinity Groundwater Conservation District

**P. O. Box 2205
Waco, Texas 76703
254 759-5610**

December 8, 2010

Axtell Water Supply Corporation
P. O. Box 180
Axtell, Texas 76624

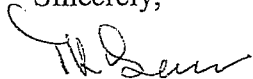
RE: HUPP-2010-020

The Historic Use Production Permit for Axtell Water Supply Corporation has been filed in McLennan County.

Enclosed you will find copies of the original filed Permit issued on June 30, 2010 and a copy of the permit with original signatures.

If you have any questions, please contact me.

Sincerely,



Tricia K. Law
General Manager



**SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT
COUNTY OF MCLENNAN, STATE OF TEXAS**

HISTORIC USE PRODUCTION PERMIT

THIS CERTIFIES THAT:

Axtell Water Supply Corporation
207 North 5th Street
Axtell, Texas 76624
Phone: 254-863-0001

(the "Permittee"), has applied for an Historic Use Production Permit to withdraw and place to beneficial use groundwater from within the District, and that the Board of Directors of the Southern Trinity Groundwater Conservation District ("District") has APPROVED the application as follows:

1 Permit Category

This permit is a **Historic Use Production Permit**.

2 Permit Term

The term of this permit is **perpetual**.

3 Groundwater Source

The source of groundwater is the **Trinity Aquifer**.

4 Annual Groundwater Withdrawal Amounts

Permittee may withdraw groundwater from the Trinity Aquifer for beneficial, nonwasteful use in a manner not to exceed the following volume: **209.9328 acre-feet per calendar year**. This groundwater withdrawal amount has been calculated pursuant to Section 5.211 of the District's rules. It may be subject to proportional adjustment pursuant to Chapter 5, Subchapter B of the District's rules, as may be amended.

5 Purpose of Use

Permittee may use Trinity Aquifer groundwater only for **municipal purposes**.

6 Well Name(s), Location(s), and Maximum Rate of Withdrawal

Groundwater may only be withdrawn from the aquifer from a well(s) located at each of the location(s) and with a maximum rate of withdrawal(s) (flow rate) as follows:

<u>Name</u>	<u>Location (latitude/longitude)</u>	<u>Maximum Flow Rate (gpm)</u>
Well # 1	N31D 39M 31S / W96D 58M 20S	180
Well # 2	N31D 39M 55S / W96D 58M 09S	340

7 Measurement of Amount of Groundwater Withdrawn

Permittee may only withdraw groundwater from a well that has an operating flow meter that meets the requirements of Chapter 8 of the District's rules.

SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT
COUNTY OF MCLENNAN, STATE OF TEXAS

8 Place of Use

Permittee may beneficially use Aquifer groundwater only within the Permittee's wholesale or retail water service area identified in the Certificate of Convenience and Necessity 11178, filed with the Texas Commission on Environmental Quality. Except as provided by 5.401(b) of the District's rules, as may be amended, if the place of use is not within the District's boundaries, Permittee must obtain a groundwater exportation permit from the District prior to the withdrawal of groundwater under the permit.

9 Well Construction, Operation, Maintenance, Closure

The well(s) identified in this permit shall be installed, equipped, operated, maintained, plugged, capped, or closed, as may be appropriate in accordance with the District's rules and all other applicable federal, state, and local laws, including by submitting a copy of a state plugging report to the District within 60 days after capping or plugging any well.

10 Water Conservation

Withdrawals of groundwater are required to be efficiently withdrawn and used in compliance with the District's rules and the District's water conservation plan, as may be amended, and Permittee's plan as approved by the District, as may be applicable.

11 Conveyance to Place of Use

Water authorized by this permit to be produced must be conveyed to the place of use in a manner to prevent evaporation, channel loss by percolation, or waste. Water conveyed greater than a distance of one-half mile from the wellhead where produced must be conveyed through a pipeline.

12 Meters; Alternative Measuring Method

Permittee shall install, operate and maintain the meter or alternative measuring method on the well(s) identified in this permit in compliance with the District's rules and the manufacturer's instructions.

13 Reports

Permittee shall timely file all applicable reports with the District on forms prescribed by the District as required by the District's rules, as may be amended, and other applicable law.

14 Fees

Permittee shall timely pay and remain current on the payment of all applicable fees to the District.

SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT
COUNTY OF MCLENNAN, STATE OF TEXAS

15 Interruption, Suspension, or Other Limitations Due to Drought

Permittee shall reduce water supply and consumption during times of drought in accordance with the District's rules and the District's management plan and Permittee's plan approved by the District, as applicable.

16 Groundwater Management Plan

Permittee shall withdraw and use groundwater only in accordance with the District's approved groundwater management plan, as may be amended.

17 Water Quality

Permittee shall use diligence to protect the water quality of groundwater in the District and shall comply with the District's water quality rules and take no action that pollutes or contributes to the pollution of groundwater in the District.

18 Transfers and Amendments

Permittee may transfer or amend this permit only in compliance with the District's rules.

19 Permit Review, Renewal or Extension Conditions

Permittee is subject to any review, renewal or extension conditions stated in the permit or the District's rules.

20 Change of Name, Address or Telephone Number

Permittee shall provide written notice to the District of any change of ownership, name of Permittee or the authorized representative, well operator, mailing address or telephone number within 30 days of such change.

21 Inspections by District

Any authorized officer, employee, agent or representative of the District shall have the right at all reasonable times to enter upon lands upon which a well may be located within the boundaries of the District, including the well(s) identified in Paragraph 6 of this permit, for the purpose of inspecting or testing such wells, meters, pumps and the power units of a well or wells, collecting water samples, and making any other reasonable and necessary inspections and tests that may be required or necessary for the formulation or the enforcement of the permits, rules or orders of the District. Permittee has a duty to ensure that the well site is accessible to District representatives for inspection and to cooperate fully in any reasonable inspection of the well(s) and well site by District representatives.

22 Additional Conditions

This permit is issued subject to the requirements of: (1) Chapter 8821, Texas Special District Local Laws Code; (2) Chapter 36, Texas Water Code, as may be amended; and (3) the District's Rules, as may be amended.

**SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT
COUNTY OF MCLENNAN, STATE OF TEXAS**

23 Enforcement

The District retains the right to take any and all enforcement actions within its legal authority to enforce compliance with the terms and conditions of this permit.

24 Continuing Jurisdiction of District

This permit is issued subject to the continuing jurisdiction of and supervision by the District, and may be amended from time to time consistent with applicable law, including if the District learns that any of the information set forth in this permit is incorrect on the date issued.

25 Permit Recordation

Within 30 days of the date of issuance of this approved permit from the District, Permittee shall record this permit with the County Clerk of every county in which the well(s) or place of use are located and provide a copy of the recorded permit to the District.

26 References to Law

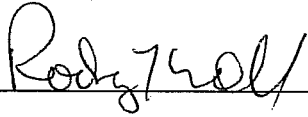
Any reference in this permit to a statute, rule, or other law of any kind, that exists on the date of issuance of the permit includes all subsequent amendments and additions thereto.

27 Other Matters Denied

All other matters requested in Permittee's application that are not specifically granted by this permit are denied.

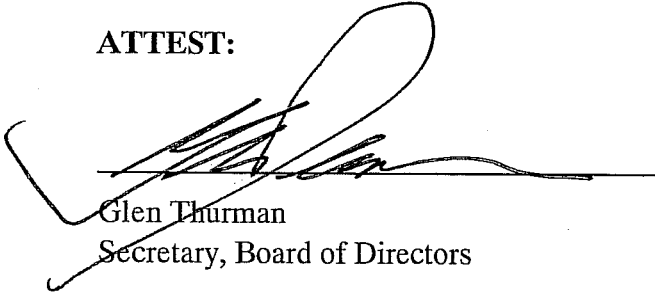
**SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT
COUNTY OF MCLENNAN, STATE OF TEXAS**

THIS PERMIT IS ISSUED, EXECUTED THIS 30th day of November, 2010, by the Board of Directors of the Southern Trinity Groundwater Conservation District.



Rodney Kroll,
President, Board of Directors

ATTEST:




Glen Thurman
Secretary, Board of Directors

ACKNOWLEDGMENT

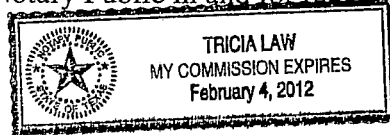
STATE OF TEXAS)

COUNTY OF MCLENNAN)

ON BEHALF OF THE DISTRICT, THIS PERMIT WAS ACKNOWLEDGED before me on November 30, 2010, by Rodney Kroll, President, Board of Directors, Southern Trinity Groundwater Conservation District, a groundwater conservation district created pursuant to Article XVI, Section 59, Texas Constitution.



Notary Public in and for the State of Texas



AFTER RECORDING RETURN TO:

Tricia Law, General Manager
Southern Trinity Groundwater Conservation District
P. O. Box 2205
420 North 6th Street
Waco, Texas 76703

FILED AND RECORDED
OFFICIAL PUBLIC RECORDS

J.A. Andy Harwell

December 03, 2010 10:42:44 AM 2010037269

FEE: \$27.00

J.A. "Andy" Harwell County Clerk
McLennan County TEXAS

Southern Trinity Groundwater Conservation District

P. O. Box 2205

Waco, Texas 76703

Phone 254 759-5610 Fax 254 754-9480 e-mail southerntrinitygcd@att.net

**Notice of Administrative Completeness for
For Historic Use Production Permit (HUPP) Application, Technical Summary, and
General Manager's Proposed Action on Historic Use Production Permit Application**

November 17, 2010

Axtell Water Supply Corporation
207 North 5th Street
Axtell, Texas, 76624

RE: Application No. HUPP-2010-020

Please be advised that the Southern Trinity Groundwater Conservation District (the "District") received your Historic Use Production Permit Application. Pursuant to §9.207 of the District's Rules, the District's general manager has reviewed your application and has determined that the application is administratively complete. The general manager has conducted a technical review of the application and will recommend to the District's Board of Directors that it consider issuing the Historical Use Production Permit for an annual production of groundwater not to exceed 209.9328 acre-feet. Attached to this letter is a copy of the Technical Summary, the proposed draft permit, and notice of the permit hearing date and location.

Also attached to this letter is a list of names, if any were found by the District, of well owners that may own a well or wells in the Trinity Aquifer that are located within ½ mile radius of the well or wells that you listed in your HUPP application. This list may not be complete, but Rule §9.219(e) requires that you provide by first class mail a copy of the hearing notice to any owner of a well within ½ mile radius of the well or wells that you listed in your HUPP application. The notice(s) must be mailed at least 10 days prior to your hearing date. You are also required to provide to the District, prior to your hearing date, a copy of the attached affidavit regarding your requirement to provide notification by first class mail to landowners, well owners and well operators within one half-mile of the well or wells owned by Axtell Water Supply Corporation.

If you have any questions concerning this matter, please call me at (254) 759-5610. Please keep this letter as a permanent record for your file.

Sincerely,



A.W. Blair, PE, District Engineer
Southern Trinity Groundwater Conservation District

- Attachments:
- 1) Technical Summary
 - 2) Affidavit
 - 3) Draft of Proposed Historic Use Production Permit
 - 4) Notice of Hearing

Technical Review Summary

Well Owner: Axtell Water Supply Corporation,
207 North 5th Street
Axtell, Texas, 76624

Application Summary For HUPP-2010-020:

Aquifer: Trinity
Annual production of groundwater not to exceed: 209.9328 acre-feet
Year of Maximum Historic Use: 2000
Hearing Group: 4

Location of Each Point of Withdrawal:

Latitude/Longitude (NAD83):
N31D 39M 31S / W96D 58M 20S
N31D 39M 55S / W96D 58M 09S

Reasons and Technical Basis for Recommended Action

The applicant submitted documentation other information that, in the opinion of the General Manager, reasonably showed evidence of Historical Use Production from the Trinity Aquifer of 209.9328 acre-feet during the calendar year of 2000.

Proposed Purpose of Use

All groundwater produced under the proposed permit is restricted to Municipal Use within the Applicant's Water Service Area as defined by the Applicant's Certificate of Convenience and Necessity 11178 issued by the Texas Commission on Environmental Quality.

General Manager May Modify Recommendations or Request Additional Information

The General Manager of the District may at anytime modify her recommendations to the Board of Directors regarding the proposed permit or this technical summary or request additional information from the applicant.

Request for Contested Case Hearing

HUPP applicants or affected persons may file a written request for a contested case hearing on the proposed HUPPs with the District by no later than at 9:00 a.m. five days prior to the hearing date. If no timely requests for contested case hearing are filed, the applications will be presented to the District on the date of the hearing for final action.

HISTORIC USE PRODUCTION PERMIT

THIS CERTIFIES THAT: Axtell Water Supply Corporation
207 North 5th Street
Axtell, Texas 76624
Phone: 254-863-0001

(the "Permittee"), has applied for an Historic Use Production Permit to withdraw and place to beneficial use groundwater from within the District, and that the Board of Directors of the Southern Trinity Groundwater Conservation District ("District") has APPROVED the application as follows:

Permit Category

This permit is a **Historic Use Production Permit**.

Permit Term

The term of this permit is **perpetual**.

Groundwater Source

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Annual Groundwater Withdrawal Amounts

Permittee may withdraw groundwater from the Trinity Aquifer for beneficial, nonwasteful use in a manner not to exceed the following volume: **209.9328 acre-feet per calendar year**. This groundwater withdrawal amount has been calculated pursuant to Section 5.211 of the District's rules. It may be subject to proportional adjustment pursuant to Chapter 5, Subchapter B of the District's rules, as may be amended.

Purpose of Use

Permittee may use Trinity Aquifer groundwater only for **municipal purposes**.

Well Name(s), Location(s), and Maximum Rate of Withdrawal

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<u>Name</u>	<u>Location (latitude/longitude)</u>	<u>Maximum Flow Rate</u>
Well # 1	N31D 39M 31S / W96D 58M 20S	180
Well # 2	N31D 39M 55S / W96D 58M 09S	340

Measurement of Amount of Groundwater Withdrawn

Permittee may only withdraw groundwater from a well that has an operating flow meter that meets the requirements of Chapter 8 of the District's rules.

Place of Use

Permittee may beneficially use Aquifer groundwater only within the Permittee's wholesale or retail water service area identified in the Certificate of Convenience and Necessity 11178, filed with the Texas Commission on Environmental Quality. Except as provided by 5.401(b) of the District's rules, as may be amended, if the place of use is not within the District's boundaries, Permittee must obtain a groundwater exportation permit from the District prior to the withdrawal of groundwater under the permit.

Well Construction, Operation, Maintenance, Closure

The well(s) identified in this permit shall be installed, equipped, operated, maintained, plugged, capped, or closed, as may be appropriate in accordance with the District's rules and all other applicable federal, state, and local laws, including by submitting a copy of a state plugging report to the District within 60 days after capping or plugging any well.

Water Conservation

Withdrawals of groundwater are required to be efficiently withdrawn and used in compliance with the District's rules and the District's water conservation plan, as may be amended, and Permittee's plan as approved by the District, as may be applicable.

Conveyance to Place of Use

Water authorized by this permit to be produced must be conveyed to the place of use in a manner to prevent evaporation, channel loss by percolation, or waste. Water conveyed greater than a distance of one-half mile from the wellhead where produced must be conveyed through a pipeline.

Meters; Alternative Measuring Method

Permittee shall install, operate and maintain the meter or alternative measuring method on the well(s) identified in this permit in compliance with the District's rules and the manufacturer's instructions.

Reports

Permittee shall timely file all applicable reports with the District on forms prescribed by the District as required by the District's rules, as may be amended, and other applicable law.

Fees

Permittee shall timely pay and remain current on the payment of all applicable fees to the District.

Interruption, Suspension, or Other Limitations Due to Drought

Permittee shall reduce water supply and consumption during times of drought in accordance with the District's rules and the District's management plan and Permittee's plan approved by the District, as applicable.

Groundwater Management Plan

Permittee shall withdraw and use groundwater only in accordance with the District's approved groundwater management plan, as may be amended.

Water Quality

Permittee shall use diligence to protect the water quality of groundwater in the District and shall comply with the District's water quality rules and take no action that pollutes or contributes to the pollution of groundwater in the District.

Transfers and Amendments

Permittee may transfer or amend this permit only in compliance with the District's rules.

Permit Review, Renewal or Extension Conditions

Permittee is subject to any review, renewal or extension conditions stated in the permit or the District's rules.

Change of Name, Address or Telephone Number

Permittee shall provide written notice to the District of any change of ownership, name of Permittee or the authorized representative, well operator, mailing address or telephone number within 30 days of such change.

Inspections by District

Any authorized officer, employee, agent or representative of the District shall have the right at all reasonable times to enter upon lands upon which a well may be located within the boundaries of the District, including the well(s) identified in Paragraph 6 of this permit, for the purpose of inspecting or testing such wells, meters, pumps and the power units of a well or wells, collecting water samples, and making any other reasonable and necessary inspections and tests that may be required or necessary for the formulation or the enforcement of the permits, rules or orders of the District. Permittee has a duty to ensure that the well site is accessible to District representatives for inspection and to cooperate fully in any reasonable inspection of the well(s) and well site by District representatives.

Additional Conditions

This permit is issued subject to the requirements of: (1) Chapter 8821, Texas Special District Local Laws Code; (2) Chapter 36, Texas Water Code, as may be amended; and (3) the District's Rules, as may be amended.

Enforcement

The District retains the right to take any and all enforcement actions within its legal authority to enforce compliance with the terms and conditions of this permit.

Continuing Jurisdiction of District

This permit is issued subject to the continuing jurisdiction of and supervision by the District, and may be amended from time to time consistent with applicable law, including if the District learns that any of the information set forth in this permit is incorrect on the date issued.

Permit Recordation

Within 30 days of the date of issuance of this approved permit from the District, Permittee shall record this permit with the County Clerk of every county in which the well(s) or place of use are located and provide a copy of the recorded permit to the District.

References to Law

Any reference in this permit to a statute, rule, or other law of any kind, that exists on the date of issuance of the permit includes all subsequent amendments and additions thereto.

Other Matters Denied

All other matters requested in Permittee's application that are not specifically granted by this permit are denied.

THIS PERMIT IS ISSUED, EXECUTED THIS 30th day of November 2010, by the Board of Directors of the Southern Trinity Groundwater Conservation District.

Rodney Kroll,
President, Board of Directors

ATTEST:

Glen Thurman
Secretary, Board of Directors

ACKNOWLEDGMENT

STATE OF TEXAS)
COUNTY OF MCLENNAN)

ON BEHALF OF THE DISTRICT, THIS PERMIT WAS ACKNOWLEDGED before me on November 30, 2010, by Rodney Kroll, President, Board of Directors, Southern Trinity Groundwater Conservation District, a groundwater conservation district created pursuant to Article XVI, Section 59, Texas Constitution.

Notary Public in and for the State of Texas

AFTER RECORDING RETURN TO:

Tricia Law, General Manager
Southern Trinity Groundwater Conservation District
P. O. Box 2205
420 North 6th Street
Waco, Texas 76703

SOUTHERN TRINITY GROUNDWATER CONSERVATION DISTRICT

P. O. Box 2205
 420 North 6th Street
 Waco, Texas 76703

Phone: (254) 759-5610 southerntrinitygcd@att.net

APPLICATION FOR HISTORIC USE PRODUCTION PERMIT

Part A – General Information

Instructions: Please type or print legibly. Incomplete applications will not be accepted. Application Fee Required: A non-refundable application fee of \$1,000 must accompany this application. Only checks or money orders made payable to “Southern Trinity Groundwater Conservation District” will be accepted. CASH IS NOT ACCEPTED.

1. Applicant Information	<input type="checkbox"/> Individual	<input type="checkbox"/> Partnership	<input checked="" type="checkbox"/> Corporation
	<input type="checkbox"/> Government Entity	<input type="checkbox"/> Estate/Trust/Guardianship	
Permit Applicant's Name: Axtell Water Supply Corporation			
Physical Address: 207 North 5 th Street			
City: Axtell	State: Texas	Zip Code: 76624	
Mailing Address, (if different): P. O. Box 180			
City: Axtell	State: Texas	Zip Code: 76624	
Daytime Telephone Number: Fax: 254 863-0001			
Email Address (if any): tklawh2o@yahoo.com			
2. Name of Authorized Agent (if any): Chuck White			
Position: President			
Physical Address: 224 Happy Swaner			
City: Axtell	State: Texas	Zip Code: 76624	
Mailing Address (if different):			
City:	State:	Zip Code:	
Daytime Telephone Numbers of Authorized Agent: 254 754-5636 Fax:			
Email for Authorized Agent (if any):			
Date Application Received:	APR 26 2010	Date Admin. Fee Received:	APR 30 2010
		Amount of Fee: <u>1000.00</u>	

RECEIVED
For District Use Only
APR 26 2010
 BY: *[Signature]*

RECEIVED
APR 30 2010
 BY: *[Signature]*

[Handwritten mark]

Historic Groundwater Use and Production Information.

3. Purpose of Historic Use: The purpose(s) for which the groundwater was used during the Historic Use Period. Irrigation Municipal Industrial
 Other (If Other, describe specifically):

4. Purpose of Future Use: Municipal

5. Is the place of use within the District boundaries: Yes No

6. If you answered No to Item 5, has a groundwater exportation permit been applied for or obtained from the District or is there a groundwater export agreement or contract in effect prior to January 7, 2010? Yes No

7. If you answered Yes to Item 6, please describe the parties to the agreement, the location outside of the District that the water is used, the amount use, and pipeline route.

8. Completely describe the place of use of groundwater withdrawn from the well:
CCN No. 11178

9. If groundwater was withdrawn from the well or placed to a beneficial use by a contract user or predecessor in interest, then provide the name, address, and telephone number of each contract user or predecessor in interest, and provide copies of the legal documents establishing the legal right of the contract user or predecessor in interest to withdraw and/or place groundwater from the well to beneficial use.

N/A

10. If applicable, provide a copy of the map identifying the boundaries of the applicant's Certificate of Convenience and Necessity (CCN).

11. If applicable, describe the number of connections to be serviced by the well: 575

12. Maximum Historic Use. State the amount of water that you claim as your Maximum Historic Use during any one year of the Historic Use Period. Maximum Historic Use means the maximum amount of groundwater that an applicant for a Historic Use Production Permit proves was produced and beneficially used without waste from the applicant's non-exempt well during any one calendar year of the Historic Use Period.
Amount: 68,406,800 Units: gallons Year:2000

13. Provide your use amounts for each year groundwater was withdrawn during the Historical Use Period. If no groundwater was withdrawn for a period listed below, place a zero (0) in the appropriate space (typical units are in gallons, 100 gallons, 1000 gallons, or acre-feet).

2009	Amount: 58,885,500	Units: gallons
2008	Amount: 66,107,100	Units: gallons
2007	Amount: 51,208,600	Units: gallons
2006	Amount: 57,394,400	Units: gallons
2005	Amount: 52,312,400	Units: gallons
2004	Amount: 48,587,500	Units: gallons
2003	Amount: 56,935,900	Units: gallons
2002	Amount: 62,609,100	Units: gallons
2001	Amount: 60,994,700	Units: gallons
2000	Amount: 68,406,800	Units: gallons

14. Attach documents to substantiate your claim of Maximum Historic Use.

Documentation may include, but is not limited to: production logs showing amount of water pumped, copies of reports to the Texas Commission on Environmental Quality, the Texas Water Development Board, or the Texas Department of Health; reports filed with or created by the Natural Resource Conservation Service or Farm Services Agency or aerial photographs; reports filled with or created by soil and water conservation districts; fuel and electricity use records; and calculations used to estimate well discharge rates if the well discharge is not metered. The purpose of supporting documentation is to substantiate your declaration. The information you provide should be labeled, indexed and in a form that can be easily reviewed by the District.

15. Will the proposed use of water unreasonably affect existing groundwater and surface water resources or existing permit holders? Yes No

16. Is the proposed use of water dedicated to a beneficial use? Yes No

17. Is the proposed use of water consistent with the District's management plan? Yes No

**STATEMENT OF COMPLIANCE WITH DISTRICT GROUNDWATER
MANAGEMENT PLAN, DISTRICT RULES, AND COMMITMENT TO WATER
CONSERVATION AND WATER QUALITY PROTECTION**

Please check all that apply:

- Applicant will comply with the District’s Groundwater Management Plan.
- Applicant is in compliance with all applicable District rules in effect since December 7, 2007 and will comply with the District’s rules.
- Applicant agrees to avoid waste and achieve water conservation.
- Applicant agrees to use reasonable diligence to protect groundwater quality and will follow the District’s well plugging guidelines at the time of well closure.
- Applicant affirms that activities constituting the purpose of use for which the groundwater will be beneficially used will be managed to preserve, protect, prevent the pollution, degradation, or harmful alteration of, control and prevent the waste of, prevent the escape of groundwater from, and achieve the conservation of groundwater in and produced from, the aquifer.

CERTIFICATION†

I, the undersigned applicant, subscribe and affirm that the information provided herein is true and correct. I also understand that it shall be considered to be a fraud upon the District for any applicant to knowingly give erroneous information in this application.

Signed: 

Date: 03/31/10

Printed Name: Chuck White

Title: President

† If the applicant is an individual, the application shall be signed by the applicant or a duly appointed agent. An agent shall provide written evidence of his or her authority to represent the applicant. If the applicant is an individual doing business under an assumed name, the applicant shall attach to the application an assumed name certificate filed with the county clerk of the county in which the principal place of business is located or with the Texas Secretary of State.

A joint application shall be signed by each applicant or each applicant’s duly authorized agent with written evidence of such agency submitted with the application. If a well or proposed well is owned by both husband and wife, each person shall sign the application. Joint applicants shall select one among them to act for and represent the others in pursuing the application with the District with written evidence of such representation to be submitted with the application.

If the application is by a partnership, the application shall be signed by one of the general partners. If the applicant is a partnership doing business under an assumed name, the applicant shall attach to the application an assumed name certificate filed with the county clerk of the county in which the principal place of business is located or with the Texas Secretary of State. The name of the partnership must be followed by the words “a partnership.” If the applicant is an estate or guardianship, the application shall be signed by the duly appointed guardian or representative of the estate and a current copy of the letters testamentary issued by the court shall be attached to the application.

If the applicant is a corporation, public district, county, municipality or other corporate entity, the application shall be signed by a duly authorized official. Written evidence in the form of bylaws, charters, or resolutions specifying the authority of the official to take such action shall be submitted along with the application. A corporation may file a corporate affidavit as evidence of a corporate official’s authority to sign.

If the applicant is acting as trustee for another, the applicant shall sign as trustee and in the application shall disclose the nature of the trust agreement and give the name and current address of each trust beneficiary. The application must designate the trustee’s name followed by the word “trustee,” and the name of the trust for which the trustee is acting.

STATE OF TEXAS §

§

COUNTY OF §

BEFORE ME, a notary public, on this day personally appeared: Chuck White
_____ who stated that: (1) he/she has read the foregoing application and any supporting attachments and that the statements contained therein are true and accurate; and (2) that he/she is duly authorized to sign this application on behalf of the permit applicant.

Subscribed and sworn to before me on this 31st day of March, 2010.

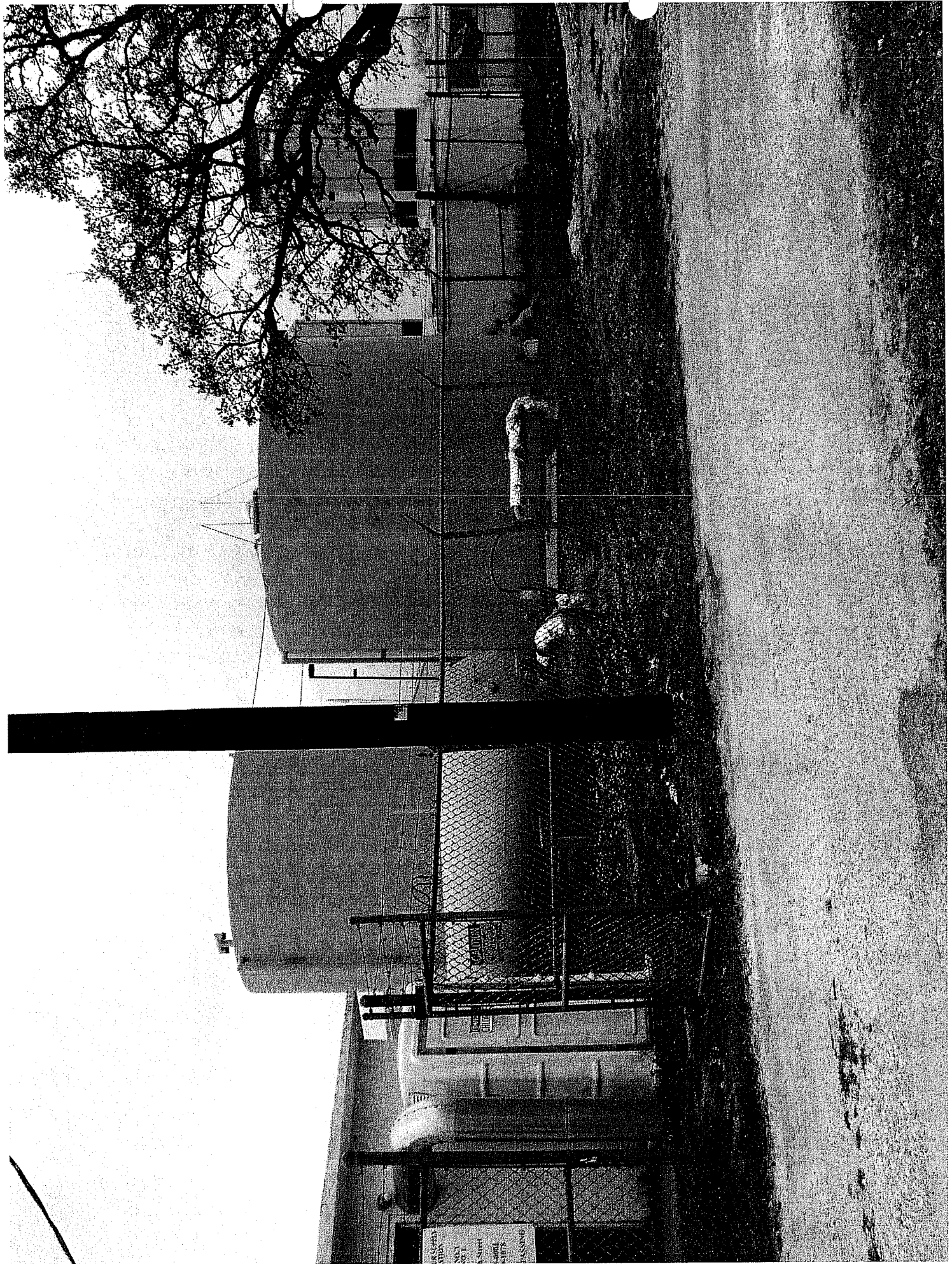
Tricia Law

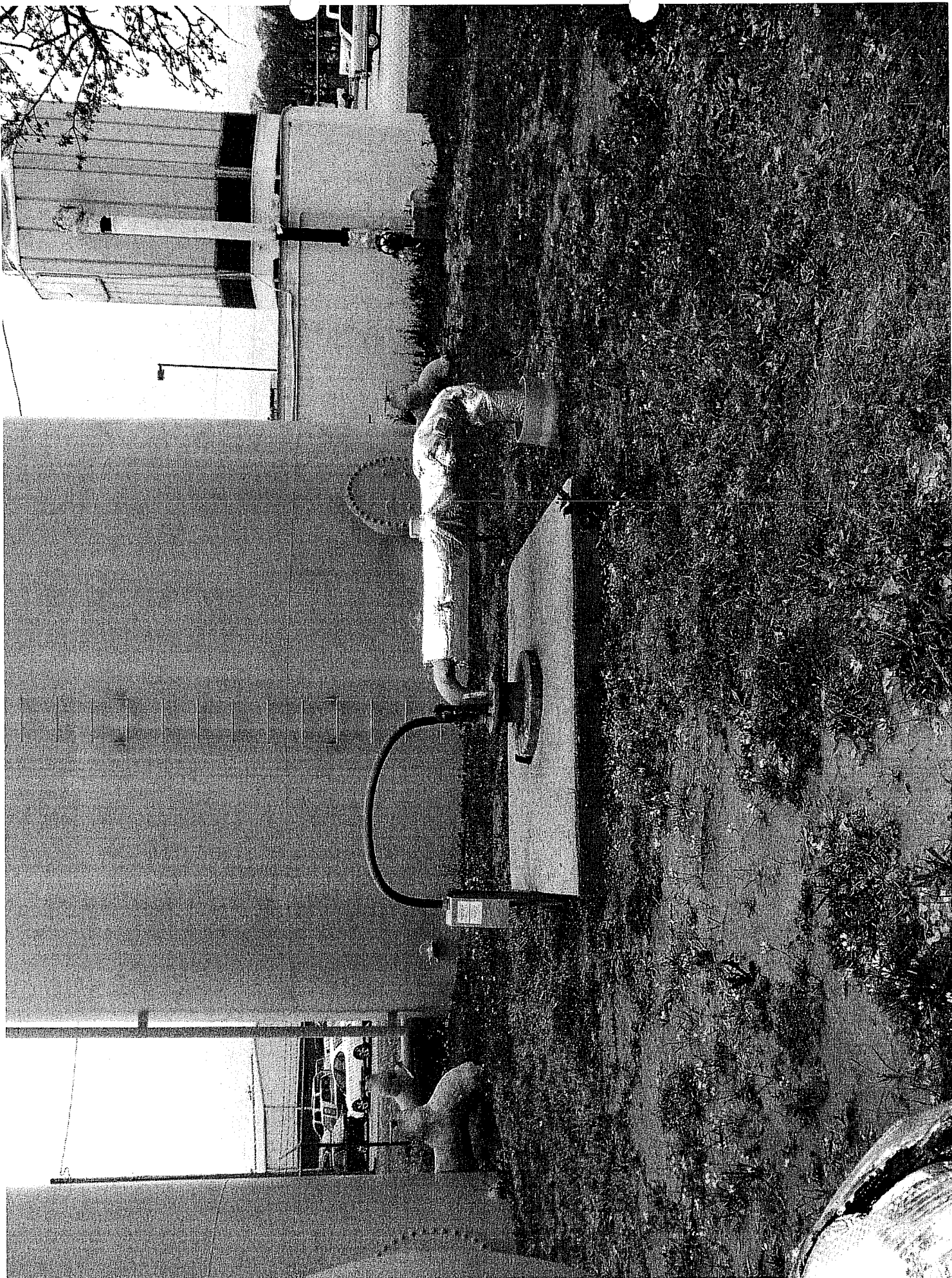
Notary Signature



STGWCD- HUPP Application - Part B – Well Information (one form per well)

1. Applicant Name: Axtell Water Supply Corporation			
2. Well Identifier or Well Name: Well No. 1			
3. System Name: Axtell Water Supply Corporation			
4. TCEQ System ID Number: 1550016			
5. If applicable, please attach a copy of the applicant's most recent water conservation plan and drought contingency plan prepared for TCEQ.			
6. TWDB ID Number: 3917701			
7. Aquifer(s) or formations in which the well is screened: Trinity-Hosston Formation			
8. Address of the property upon which the well is located: 207 North 5 th Street			
9. Well Location:	Latitude:	31.65 D	M S
	Longitude:	-96.97 D	M S
10. Identify any surface water, including lakes or rivers within 1,000 feet of the well: N/A			
11. Well or Driller's Log. Please attach a copy of the State Well Report and, if available, any geophysical logs for the well.			
12. Please attach a photograph of the well taken approximately 100 feet from the well.			
13. Please attach a copy of a recorded deed or other legal document verifying the applicant's ownership of the well. Disregard this requirement if the deed was sent with your Application for Interim Production Status and there has been no change.			
14. Year well drilled: 1959 Year well completed and operational: 1959			
15. Pump Information: Pump Make and Model:			
Pump power source: <input checked="" type="checkbox"/> Electric <input type="checkbox"/> Diesel <input type="checkbox"/> Natural Gas <input type="checkbox"/> Other			
Casing Material <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC			
Size of well casing: 8 inches Inside diameter of column pipe: 4 inches			
16. The maximum rate at which water can be withdrawn from the well: ²⁴⁰ 180 gpm			
17. Flow Meter Make and Model: Water Specialties			
Serial Number: 20052882-04		Meter Units: 100 gallons	
Meter reading end of 2008: Amount: 58,602,900		Units: gallons	Date: 12-31-08
Meter reading end of 2009: Amount: 78,081,100		Units: gallons	Date: 12-31-09





K W UTILITIES
"THE WATER METER PEOPLE"

4793 FM 639

FROST, TEXAS 76641

PHONE - 254 678 1129

FAX - 254 678 9071

EMAIL - KWMETERS@MYWAY.COM

"WE APPRECIATE YOUR BUSINESS"

"HUB" MEMBER OWNED BUSINESS

METER TESTING - REPAIR - SALES

DATE: March 24, 2009

TO: Axtell WSC

METER LOCATION: WELL #1

METER BRAND: WATER SPECIMITIES SIZE: 4"

TYPE: PNO PELLETT SERIAL: 20052882

START READING: 62462700 END READING: 62464900

CERTIFICATION OF CALIBRATION

This is to certify that the physical standards described below were, on this day, compared to the standards of the State of Texas which are directly traceable to standards of the National Bureau of Standards (NBS test numbers 39569, 40093, 179355, 225713) American Waterworks Test.

LOW FLOW: QUANTITY: ACCURACY:

MEDIUM FLOW: QUANTITY: ACCURACY:

HIGH FLOW: 192 QUANTITY: 1000 ACCURACY: 99.7%

COMMENTS: METER WAS 118.4%
REGAINED TO 99.7%

TESTED BY:

Ken Whitsitt

TWDB Groundwater Database Query Result

REPORTED WATER WELL DATA ON STATE WELL NUMBER = 3917701

Query for another State Well Number:

[Water Quality](#) |
 [Infrequent Constituent](#) |
 [Water Level](#) |
 [5 Day Water Level](#) |
 [Well Casing](#) |
 [Remarks](#) |
 [Scanned Images](#)

*For a complete explanation, [click here to read the TWDB Groundwater Data System Data Dictionary.](#)

Field	Value	*Explanation
STATE WELL NUMBER	3917701	
COUNTY CODE	309	McLennan County, Texas
BASIN	12	Brazos River Basin
PREVIOUS WELL NUMBER		
LATITUDE	313931	DMS (in decimal degrees: 31.658611)
LAT DEC	31.658611	
LONGITUDE	965819	DMS (in decimal degrees: -96.971944)
LONG DEC	-96.971943	
OWNER 1	Axtell WSC	
OWNER 2	well #1	
DRILLER 1	J.L. Myers	
DRILLER 2		
SOURCE OF COORDINATES	0	
AQUIFER CODE	217HSTN	HOSSTON FORMATION
AQUIFER ID1	28	Trinity Aquifer
AQUIFER ID2		
AQUIFER ID3		
ELEVATION	528	feet
ELEVATION MEASUREMENT METHOD	M	Interpolated From Topo Map
ALPHA CODE	44000	TOWN OF AXTELL AXTELL WATER

		SUPPLY CORP.
DATE DRILLED	04001959	
WELL TYPE	W	Withdrawal of Water
WELL DEPTH	3129	feet
SOURCE OF DEPTH	D	Driller's Log
TYPE OF LIFT	S	Submersible Pump
TYPE OF POWER	E	Electric Motor
HORSEPOWER	20.00	
PRIMARY WATER USE	P	Public Supply
SECONDARY WATER USE		
TERTIARY WATER USE		
WATER LEVEL AVAILABLE	C	Click here for water level data
WATER QUALITY AVAILABLE	Y	Click here for water quality data
WELL LOGS AVAILABLE		
OTHER DATA AVAILABLE		
DATE COLLECTED OR UPDATED	12142006	
REPORTING AGENCY	01	TWDB or Predecessor Agency
WELL SCHEDULE IN FILE	Y	
CONSTRUCTION METHOD		
COMPLETION		
CASING MATERIAL	S	Steel
SCREEN MATERIAL		
GMA	8	
RWPA	G	
DISTRICTID	200708GX	

Groundwater Database Disclaimer



The Groundwater Database (GWDB) of the Texas Water Development Board (TWDB) contains information about more than 123,500 water well, spring, and oil/gas test sites in Texas including associated water level and water quality data. Because data collection methods and data maintenance have varied and evolved over the years, the information in the GWDB has a range of accuracy that the user needs to be aware of. See [Explanation of Groundwater Data](#) for information on the sources of information and level of accuracy in the document.

The TWDB is providing information via this Web site as a public service. Except where noted, all of the information provided is believed to be accurate and reliable; however, the Texas Water Development Board (TWDB) assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. **PLEASE NOTE** that users of this Web site are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via this Web site. TWDB specifically disclaims any and all liability for any claims or damages that may result from providing the Web site or the information it contains, including any Web sites maintained by third parties and linked to the TWDB Web site. TWDB makes no effort to verify independently, and does not exert editorial control over information on pages outside of the www.twdb.state.tx.us domain and its sub-domains. It is the user's responsibility to take precautions to ensure that whatever is selected is free of such items as viruses, worms, Trojan horses and other items of a destructive nature.

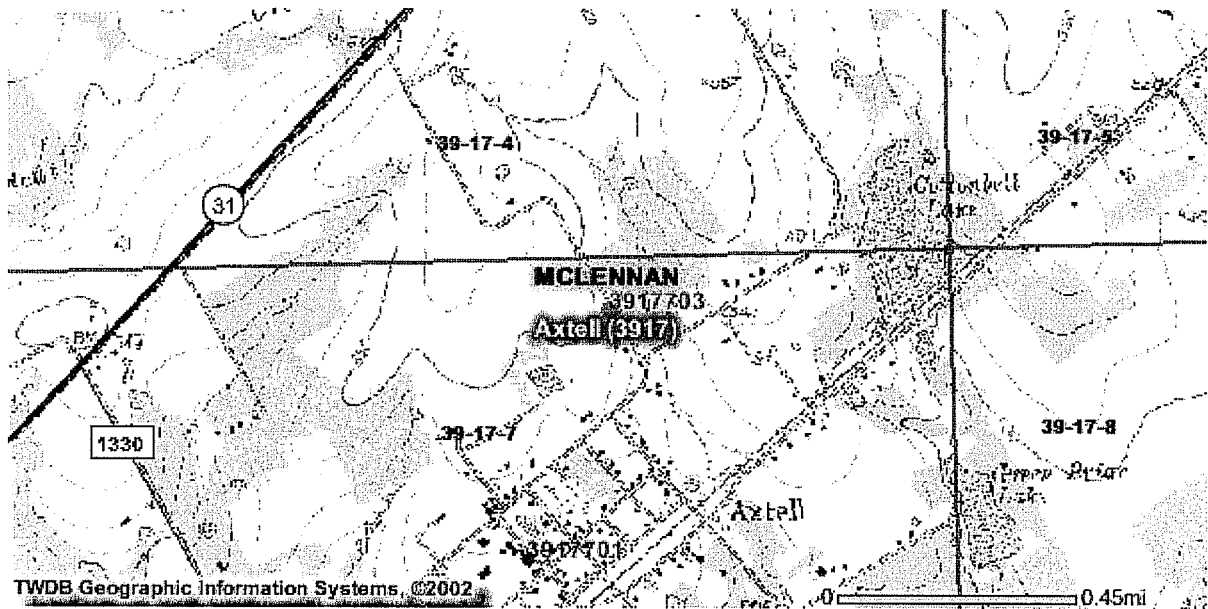
For additional information or answers to questions concerning the TWDB GWDB contact David Thorkildsen at (512) 936-0871 or Janie Hopkins at (512) 936-0841.












You can download Groundwater Database Reports in ASCII text files from this link. The files are organized by Texas counties.

*This page is maintained by WIID Staff
Last updated on 1/29/2009 5:00:08 PM*

	<p>Texas Water Development Board</p> <p>Water Information Integration & Dissemination System</p>	
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Water Well Locations



- Legend**
- | | |
|---|--|
| <ul style="list-style-type: none">  Highlighted Feature  Selected Features  TWDB Groundwater Data  State Hwy  FM & RM Roads | <ul style="list-style-type: none">  Other State Roads  Interstate Hwy  US Hwy  7.5" USGS Grid  2.5" State Grid  Counties |
|---|--|

TEXAS WATER COMMISSION
WELL SCHEDULE

Aquifer: Houston Field No. H-66 (E-100) State Well No. 39-17-3-1
 Owner's Well No. #1 Astek County Harris Co.

1. Location: 1/4 Sec. 1/4 Block Survey
2. Owner: Mitchell Water - 4140 Address: DX Fall, Texas
 Tenant: Mr. Booth (Board Member) Address: High School Teacher
 Driller: J.L. Myers & Sons Address: Lubbock, Texas
3. Elevation of lsd is 528 ft. above sea, determined by U.S.G.S. 1966
4. APR 19 59 Day, Cable Tool, Rotary
5. Depth: Rept. 3127 ft. Mean _____ ft.
6. Completions: Open Hole, Straight Well, Underreamed, Gravel Packed, Cemented
7. Pump: Mfr. Jacuzzi 1000 Type Fertile
 No. Stages _____, Hoops Max. _____ in., Setting 150 ft. sub
 Column Diam. _____ in., Length Tailpipe 300 ft.
8. Motor: Fuel electric Make & Model _____ HP 20
9. Yield: Flow _____ gpm, Pump 131 gpm, Mass., (Depth, Set) _____
10. Performance Facts: Date _____ Length of Test _____ Made by _____
 Static Level _____ ft. Pumping Level _____ ft. Drawdown 44 ft.
 Production 210 gpm Specific Capacity _____ gpm/ft.

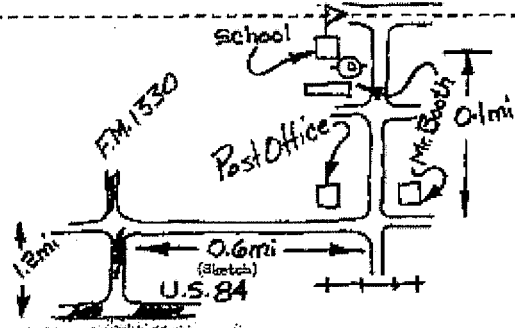
Diam. (in.)	Type	Setting, ft.	
		From	To
12"	surf csq	0	63
8 3/4"	OD csq	0	910
5 1/2"	OD csq	910	2933
5 1/2"	OD csq	2933	3051
5 1/2"	OD blank	3051	3129

11. Water Level: 9.67 ft. APR 19 59 ground level which is _____ ft. above surface.
82 ft. 3-17-1965 1sd (airline) which is _____ ft. above surface.
52 ft. 3-15-1966 1sd (airline) which is _____ ft. above surface.
80.10 ft. 4-19 1967 M.P. (Hole in Pump Base where Air-line enters the well) which is 1.5 ft. above surface.
12. Use: Dom., Stock, Public Supply, Ind., Irr., Waterflood, Observation, Hot Lead
13. Quality: (Remarks on tests, odor, color, etc.) _____
14. Temp. _____ °F, Date sampled for analysis 4-1-61 Laboratory TSHD
 _____ °F, Date sampled for analysis 1-72 Laboratory TSHD
 _____ °F, Date sampled for analysis _____ Laboratory _____

Diam. (in.)	Type	Setting, ft.	
		From	To
5 1/2"	Ref. Pipe	2933	3051

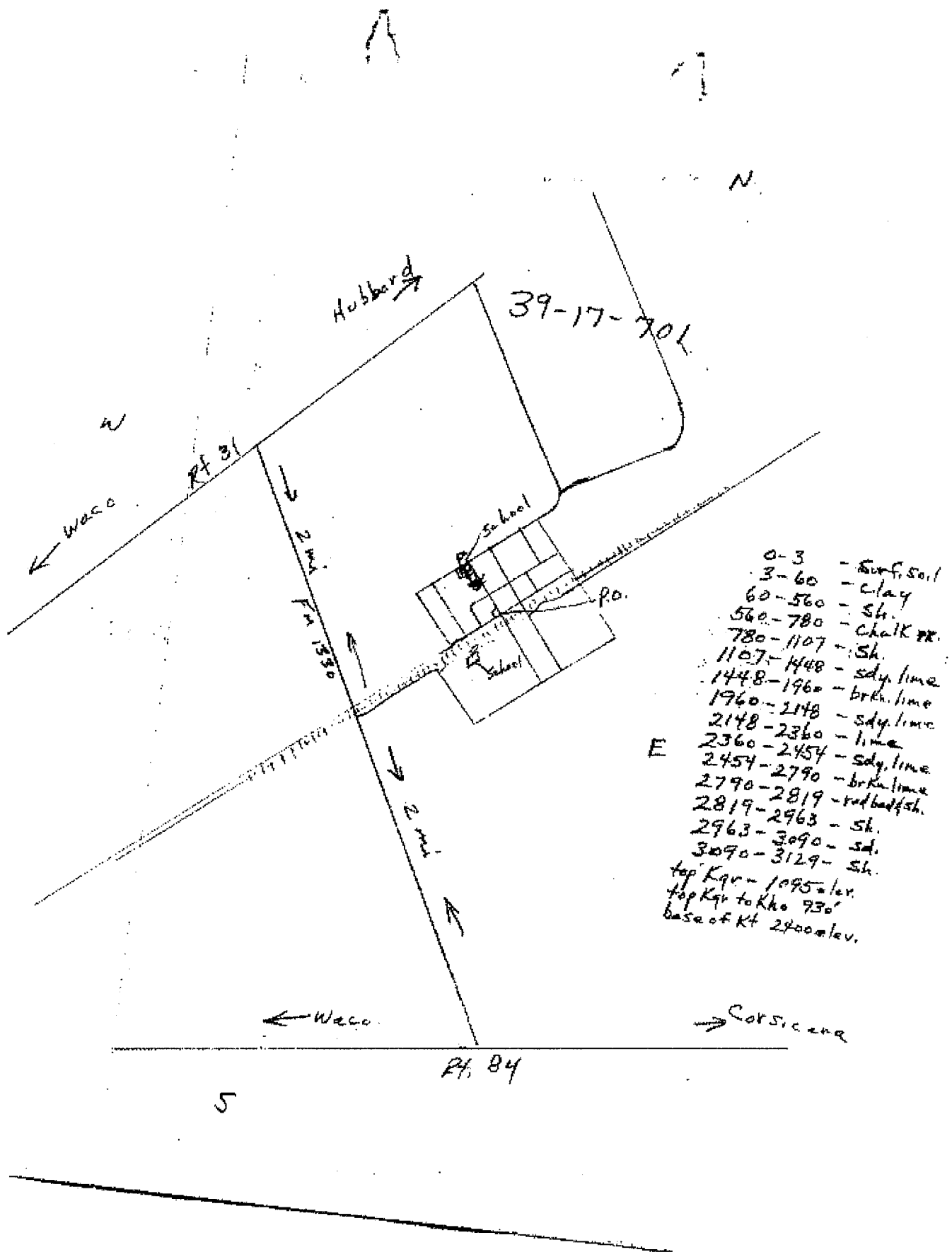
17. Other data available as circled: Driller's Log, Radioactivity Log, Electric Log H-66
18. Permeation Samples, Pumping Test
19. Record by: D. Thompson Date 3-12-1965
20. Source of Data: R. Cashman
21. Remarks: 56' s.d. - H. Holloway
150' airline
68 gpm reading
82' pumping level (3-12-65)

Obs Well



97'00 (W) 1.65 mi
 31'45 (W) 6.25 mi

Q-10
 SC obs well
 3917701 ✓



5

Rt. 84

9-275a
(Feb. 1964)
 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 WATER RESOURCES BRANCH
Date 12-15 1960 CR7 ST-3917701

MISCELLANEOUS FIELD NOTES

Atwell McLennan

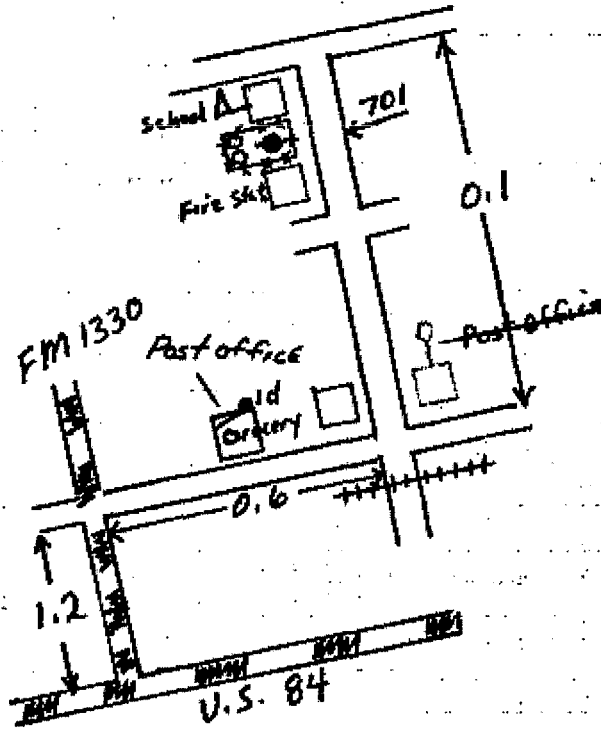
3 3 Surface soil
 57 60 Clay
 500 560 Shale
 220 780 Chalk Rock
 327 1107 Shale
 341 1048 Sandy lime
 512 1960 Broken lime
 188 2148 Sandy lime
 212 2360 Lime
 94 2454 Sandy lime
 336 2790 Broken lime
 29 2819 Red bed and shale
 146 2963 Shale
 175 3090 Sand
 39 3129 Shale

Top Glen Rose - 1095' elev
 Top Br. Riv. to top Houston 930' ft
 (Top Houston) - 2400' elev

of sheets

TEXAS WATER DEVELOPMENT BOARD

BY _____ DATE _____ DIVISION _____ SHEET NO. _____ OF _____
CHKD _____ DATE _____ JOB NAME _____
JOB NO. _____ PROG. CODE _____



39-17-701

WATER ANALYSIS REPORT

Transmit (black ribbon) or Fetal Plastic
(soft pencil or black ink)
Do not use ball point pen

TEXAS STATE DEPARTMENT OF HEALTH
1000 WEST VINTAGE AVENUE
AUSTIN 2, TEXAS

0081
2701
P.D.

TOWN Axtell, Texas COUNTY McLennan DATE COLLECTED 11/1/61

Name of Supplier
C.E. Bloodworth
Axtell, Texas

CHARACTER OF SUPPLY:
Farm Home Supply
Axtell, Texas

USE: Public Industrial _____
IF SURFACE WATER: Name of Source _____
IF FROM WELL: Depth 300 Feet, Age 1, Number _____
POINT OF COLLECTOR: Raw Supply Plant Discharge _____ Storage Res. _____ Distribution Other _____
PHYSICAL APPEARANCE: Clear _____ Turbid _____ Colored
REMARKS: Virgil B. Moody, Region II

FOR LABORATORY USE ONLY: CHEMICAL ANALYSIS (Values reported are for minerals in solution) NEW FURNISH
Laboratory No. 277114 Date Received 11-1-61 Date Shipped 11-1-61

Calcium <u>6</u>	Carbonate <u>0</u>
Magnesium <u>51</u>	Bicarbonate <u>306</u>
Iron <u>0.14</u>	Sulphate <u>108</u>
Manganese <u>5.05</u>	Chloride <u>60</u>
Sodium <u>290</u>	Fluoride <u>2.7</u>
	Nitrate <u>1.3</u>

Specific Conductance Microhm/cm 1390 Dissolved Residue (T.S.) Calculated 274
pH 8.2 Phenolphthalein Alkalinity as CaCO₃ 0
Total Alkalinity as CaCO₃ 415
Total Hardness as CaCO₃ 18

cc: Waco-McLennan County Health Department
cc: J. D. Gott

Recommended limits for drinking water (P.P.H.)

Magnesium	175	Fluoride	1.2
Iron & Manganese	0.3	Nitrate	20
Sulphate	200	Total Solids	1000
Chloride	250		

REF TEST FOR CHEMICAL ANALYSIS OF WATER
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES
 1100 WEST 49th STREET AUSTIN, TEXAS 78756

*File
 11/15/66
 711-1-1-66
 2-2-11-66*

IMPORTANT - READ CAREFULLY:

All requests must be signed by the person requesting the analysis. Chemical analyses are limited to samples of water from public supplies the examination of which is requested by a proper official. If the supply being sampled is of public interest and we are presently serving the public, an explanation of the reason for requesting the analysis should be furnished under "Remarks" or by attaching a separate explanatory sheet. Please complete the form with typewriter (black ribbon) or print, preferably using red pencil or black ink. A ball point pen should not be used.

Send report to:

TEXAS STATE DEPARTMENT HEALTH LAB
 1100 WEST 49th STREET
 AUSTIN, TEXAS 78756

LOCATION AXTELL, TEXAS
 COUNTY MCLENNAN
 DATE COLLECTED 12-14-66
 OWNERSHIP OF SUPPLY:
AXTELL WATER
SUPPLY CORPORATION

IF FROM WELL

Depth 3300
 Age 7 YEARS

POINT OF COLLECTION

Raw Supply _____
 Plant Discharge _____
 Distribution _____
 Other STORAGE TANK

PHYSICAL APPEARANCE

Clear ✓
 Turbid _____
 Colored _____
 Other _____

FACE SUPPLY

Region II
 Waco-McLennan County Health Dept
 Axtell Water Supply Corporation

REMARKS:

Signature of Public Official, Water Utility Official, or authorized representative requesting the analysis:

Chester Book
 (Signature)

Box 31, Axtell, Texas 76624
 (Address of Official)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for minerals in solution)

Laboratory No.	Date Received	Date Reported
<u>83322W</u>		<u>12-19-66</u>
Calcium _____ Milligrams per Liter <u>9</u>	Carbonate _____ Milligrams per Liter <u>0</u>	Dissolved Solids _____ Milligrams per Liter <u>980</u>
Magnesium _____ Milligrams per Liter <u>1</u>	Bicarbonate _____ Milligrams per Liter <u>120</u>	Phosphorus _____
Sodium _____ Milligrams per Liter <u>280</u>	Sulphate _____ Milligrams per Liter <u>116</u>	Alkalinity as CaCO ₃ _____ Milligrams per Liter <u>0</u>
Manganese _____ Milligrams per Liter <u>0.05</u>	Chloride _____ Milligrams per Liter <u>59</u>	Total Alkalinity as CaCO ₃ _____ Milligrams per Liter <u>427</u>
Iron _____ Milligrams per Liter <u>0.22</u>	Fluoride _____ Milligrams per Liter <u>1.7</u>	Total Hardness as CaCO ₃ _____ Milligrams per Liter <u>19</u>
	Nitrate _____ Milligrams per Liter <u><0.4</u>	
pH <u>8.3</u>	Diluted Conductance Microhm/cm _____	<u>1308</u>

RECOMMENDED LIMITS FOR DRINKING WATER IN MILLIGRAMS PER LITER

IRON	0.3	FLUORIDE	0.5-1.0
MANGANESE	0.05	NITRATE	50
SULPHATE	500	TOTAL SOLIDS	500
CHLORIDE	250		

3227 Rev.

39-17-701

REQUEST FOR CHEMICAL ANALYSIS OF WATER
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES
 1100 WEST 49th STREET AUSTIN, TEXAS 78756

File by 11 Medicine @ HP J. Adkins

★ IMPORTANT - READ CAREFULLY:

All requests must be signed by the person requesting the analysis. Chemical analysis is limited to samples of water from public supplies the collection of which is requested by a proper official. If the sample being analyzed is of public interest and not presently serving the public, an explanation of the reason for requesting the analysis should be furnished under "Remarks" or by attaching a separate explanatory sheet. Please complete the form with typewriter (black ribbon) or print neatly using soft pencil or black ink. A ball point pen should not be used.

Send report to:

Chester Booth
Box 31
Axtell, Texas 76629

LOCATION Axtell Texas
 COUNTY McLennan
 DATE COLLECTED FEB. 15, 1968
 OWNERSHIP OF SUPPLY:
Axtell Water Supply Corp.

IF FROM WELL

Depth 3300
 Age 8 yrs.
 Well No. _____

POINT OF COLLECTION

Raw Supply _____
 Plant Discharge _____
 Distribution _____
 Other Storage Tank

PHYSICAL APPEARANCE

Clear
 Turbid _____
 Colored _____
 Oily _____

IF SURFACE SUPPLY

Name of source _____

cc: File
 cc: Region II
 cc: Waco-McLennan Co. Health Dept.
 cc: Mr. Chester Booth (2)

REMARKS:

Signature of Public Official, Water Utility Official, or authorized representative requesting the analysis:

Chester Booth Box 31, Axtell, Texas
(Signature) (Address of Official)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for milligrams (in solution)

FEB 16 1968

Laboratory No. <u>97719W</u>	Date Received _____	Date Reported <u>2-26-68</u>
Calcium <u>4</u> mg/L	Carbonate <u>0</u> mg/L	Dissolved solids <u>990</u> mg/L
Magnesium <u>1</u> mg/L	Bicarbonate <u>520</u> mg/L	Phosphates _____
Sodium <u>287</u> mg/L	Sulfate <u>115</u> mg/L	Alkalinity as CaCO ₃ <u>0</u>
Manganese <u>0.05</u> mg/L	Chloride <u>58</u> mg/L	Total Alkalinity as CaCO ₃ <u>426</u>
Iron <u>0.10</u> mg/L	Fluoride <u>2.0</u> mg/L	Total Hardness as CaCO ₃ <u>13</u>
pH <u>8.3</u>	Nitrate <u>0.5</u> mg/L	
	Diluted Conductance Micromhos/cm <u>1305</u>	

RECOMMENDED LIMITS FOR DRINKING WATER IN MILLIGRAMS PER LITER.

IRON	0.3	FLUORIDE	0.5-1.5
MANGANESE	0.05	NITRATE	50
SULPHATE	500	TOTAL SOLIDS	500
CHLORIDE	250		

2225 Rev.

39-17-701

REQUEST FOR CHEMICAL ANALYSIS OF WATER
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES
 1100 WEST 6TH STREET AUSTIN, TEXAS 78768

IMPORTANT - READ CAREFULLY:

All requests must be stated by the person requesting the analysis. Chemical analyses are limited to samples of water from public supplies the acquisition of which is requested by a proper order. If the sample being sampled is of public concern and not primarily serving the public, an explanation of the reason for requesting the analysis should be furnished under "Remarks" by attaching a separate explanatory sheet. Please complete the form with typewriter (black ribbon) or print clearly using soft pencil or black ink. A ball-point pen should not be used.

Send report to:

FRED SWANER
ROUTE #1
AXTELL, TEX. 76624

LOCATION AXTELL, TEX.
 COUNTY MCLENNAN
 DATE COLLECTED 1-6-72
 OWNERSHIP OF SUPPLY:
AXTELL WATER SUPPLY
CORP.

IF FROM WELL

Depth 200 FT
 Age 10 YEARS
 Well No. _____

POINT OF COLLECTION

Raw Supply _____
 Plant Discharge _____
 Distribution W. MAIN STREET
 Other _____

PHYSICAL APPEARANCE

Color ✓
 Turbid _____
 Odor _____
 Other _____

IF SURFACE SUPPLY

Name of source _____

REMARKS:

Signature of Public Official, Water Utility Official, or authorized representative requesting the analysis:

Fred L. Swaner
(Signature)

W. MAIN STREET, AXTELL, TEX. 76624
(Address of Official)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for minerals in solution)

Laboratory No. 214513

Date Received JAN 11 1972

Date Reported JAN 21 1972

	Milligrams per Liter		Milligrams per Liter		Milligrams per Liter
Calcium	<u>4</u>	Carbonate	<u>2</u>	Dissolved solids	<u>970</u>
Magnesium	<u>3</u>	Bicarbonate	<u>510</u>	Phosphorus	_____
Sodium	<u>279</u>	Sulfate	<u>111</u>	Alkalinity as CaCO ₃	<u>2</u>
Manganese	_____	Chloride	<u>58</u>	Total Alkalinity as CaCO ₃	<u>425</u>
Iron	_____	Fluoride	<u>1.9</u>	Total Hardness as CaCO ₃	<u>30</u>
A separate 8 oz sample is required for Fe and Mn.		Nitrate	<u>1.5</u>		

pH 8.4 Diluted Conductance Measurement 1279

RECOMMENDED LIMITS FOR DRINKING WATER IN MILLIGRAMS PER LITER

IRON	0.3	FLUORIDE	1.5-1.8
MANGANESE	0.05	NITRATE	45
SULFATE	200	TOTAL SOLIDS	200
CHLORIDE	200		

FORM NO. 6-70

39-17-701

REQUEST FOR CHEMICAL ANALYSIS TO BE MADE BY THE TEXAS STATE DEPARTMENT OF HEALTH LABORATORY
 1700 WEST 17TH STREET, AUSTIN, TEXAS 78756

APPLICANT: READ CAREFULLY

The information furnished by the applicant is subject to the review and approval of the State Department of Health Laboratory. The State Department of Health Laboratory is not responsible for the accuracy of the information furnished by the applicant. The State Department of Health Laboratory is not responsible for the accuracy of the information furnished by the applicant.

APPLICANT: Artell Water Corp
Artell, Texas 76024

DATE COLLECTED: 1-23-74
 OFFICIAL SUPPLY:

IS FROM WELL _____

POINT OF COLLECTION
 Name: _____
 Place: _____
 Date: _____

PHYSICAL APPEARANCE
 Color: _____
 Taste: _____
 Odor: _____

IS SURFACE SUPPLY
 Name of source: _____

Signature of Public Official, State Utility Official, or authorized representative requesting the analysis: _____
 (Typed Name) _____ (Typed Title)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for minerals in solution)

Laboratory No. 258080 Date Received JAN 23 1974 Date Reported _____

	Milligrams per Liter	Milligrams per Liter	Milligrams per Liter
Calcium	<u>6</u>	Carbonate	<u>0</u>
Magnesium	<u>1</u>	Sulfate	<u>530</u>
Iron	<u>2.5</u>	Nitrate	<u>107</u>
Manganese	<u>0.15</u>	Chloride	<u>60</u>
Copper	<u>0.12</u>	Fluoride	<u>2.5</u>
Zinc	<u>0.12</u>	Nitrite	<u>2.5</u>

Hardness as CaCO₃ 280
 Total Hardness 280
 Alkalinity as CaCO₃ 0
 Acidity as CaCO₃ 2.2
 Free Chlorine as CaCO₃ 1.8

Direct Coliforms Microbes per 100 ml 1237

FOR CHEMISTS FOR DRINKING WATER ANALYSIS ONLY
 TOTAL SOLIDS _____
 TOTAL SOLIDS _____

39-17-701

REQUEST FOR CHEMICAL ANALYSIS OF WATER
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES
 1100 WEST 4TH STREET AUSTIN, TEXAS 78756

IMPORTANT - READ CAREFULLY:

All requests must be signed by the person requesting the analysis. Chemical analyses are limited to samples of water from public supplies the administration of which is requested by a proper official. If the supply being sampled is of public interest and not presently serving the public, an explanation of the reasons for requesting the analysis should be furnished under "Remarks" or by attaching a separate explanatory sheet. Please complete the form with typewriter (black ribbon) or print plainly using soft pencil or black ink. A ball point pen should not be used.

Send report to:

MR. JEAN SCOTT
AXTELL, 758 76624

LOCATION AXTELL
 COUNTY ALCOCK
 DATE COLLECTED 3-8-75
 OWNERSHIP OF SUPPLY:
AXTELL TWP SUPPLY

IF FROM WELL	POINT OF COLLECTION	PHYSICAL APPEARANCE
Depth <u>325</u>	Raw Supply <u>X</u>	Clear <u>X</u>
Age <u>16 years</u>	Plant Discharge	Turbid
Well No.	Distribution <u>not tested</u>	Colored
	Other	Odor

IF SURFACE SUPPLY
 Name of source TWP WELL

REMARKS:
 Signature of Public Official, Water Utility Official, or authorized representative requesting the analysis: _____
 (Signature) (Address of Official)

FOR LABORATORY USE ONLY		CHEMICAL ANALYSIS REPORT	
(Values reported are for minerals in solution)			
Laboratory No. <u>286175</u>	Date Received <u>March 11 1975</u>	Date Reported <u>3-11-75</u>	
	Milligrams per Liter	Milligrams per Liter	Milligrams per Liter
Calcium <u>4</u>	Carbonate <u>4</u>	Dissolved solids <u>980</u>	
Magnesium <u>41</u>	Bicarbonate <u>510</u>	Phenolphthalein	
Sodium <u>283</u>	Sulphate <u>121</u>	Alkalinity as CaCO ₃ <u>3</u>	
Manganese <u>0.5</u>	Chloride <u>59</u>	Total Alkalinity as CaCO ₃ <u>426</u>	
Iron	Fluoride <u>2.5</u>	Total Hardness as CaCO ₃ <u>11</u>	
	Nitrate <u>1.2</u>		
pH <u>8.4</u>	Diluted Conductance Microhos/cm <u>1296</u>		

RECOMMENDED LIMITS FOR DRINKING WATER IN MILLIGRAMS PER LITER.

IRON	0.5	FLUORIDE	0.6-1.0
MANGANESE	0.05	NITRATE	45
SULPHATE	250	TOTAL SOLIDS	500
CHLORIDE	250		

39-17-701

REQUEST FOR CHEMICAL ANALYSIS OF WATER
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES
 1100 WEST 49th STREET AUSTIN, TEXAS 78756

★ **IMPORTANT - READ CAREFULLY:**
 All requests must be signed by the person requesting the analysis. Chemical analyses are limited to samples of water from public supplies the examination of which is requested by a proper official. If the supply being sampled is of public interest and not presently serving the public, an explanation of the reason for requesting the analysis should be furnished under "Remarks" or by attaching a separate explanatory sheet. Please complete the form with typewriter (black ribbon) or print plainly using soft pencil or black ink. A ball point pen should not be used.

Send report to:

JEAN SWANEY
L AXTELL, TEX 76629

LOCATION AXTELL, TEX
 COUNTY MCCLENNAN
 DATE COLLECTED 1-15-76
 OWNERSHIP OF SUPPLY:
AXTELL W. ERW FPLY CORP.

IF FROM WELL	POINT OF COLLECTION	PHYSICAL APPEARANCE
Depth <u>330 FT</u>	Raw Supply <input checked="" type="checkbox"/>	Clear <input checked="" type="checkbox"/>
Age <u>17 yrs</u>	Plant Discharge _____	Turbid _____
Well No. <u>1</u>	Distribution _____	Color _____
	Other _____	Odor _____

IF SURFACE SUPPLY
 Name of source _____

REMARKS: _____

Signature of Public Official, Water-Utility Official, or authorized representative requesting the analysis:

[Signature] Box 1304 157 Axtell Texas
 (Signature) (Address of Official) 76629

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT
 (Values reported are for minerals in solution)

1 gal: Laboratory No. _____ Date Received _____ Date Reported MAR 31 1976

Calcium <u>4</u> Milligrams per Liter	Carbonate <u>5</u> Milligrams per Liter	Dissolved solids <u>980</u> Milligrams per Liter
Magnesium <u>2</u>	Bicarbonate <u>510</u>	Phosphates _____
Sodium <u>279</u>	Sulphate <u>115</u>	Alkalinity as CaCO ₃ <u>4</u>
Manganese _____	Chloride <u>59</u>	Total Alkalinity as CaCO ₃ <u>428</u>
Iron _____	Fluoride <u>2.0</u>	Total Hardness as CaCO ₃ <u>18</u>
	Nitrate <u>2.3</u>	

pH 8.4 Diluted Conductance Micromhos/cm 1332

RECOMMENDED MAXIMUM ALLOWABLE CONCENTRATIONS FOR DRINKING WATER IN MILLIGRAMS PER LITER.

IRON	1.5	FLOURIDE	0.8-1.0
MANGANESE	0.05	NITRATE	45
SULPHATE	250	TOTAL SOLIDS	500
CHLORIDE	250		

FORM NO. 6-68

39-17-701

REQUEST FOR CHEMICAL ANALYSIS OF WATER
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES
 1100 WEST 4TH STREET AUSTIN, TEXAS 78756

IMPORTANT - READ CAREFULLY:

All requests must be signed by the person requesting the analysis. Chemical analyses are limited to samples of water from public supplies the examination of which is requested by a proper official. If the supply being sampled is of public interest and not presently serving the public, an explanation of the reason for requesting the analysis should be furnished under "Remarks" or by attaching a separate explanatory sheet. Please complete the form with typewriter (black ribbon) or print readily using soft pencil or black ink. A ball point pen should not be used.

Send report to:

Mrs. JEAN SWANER
RT 1
ARTELL, TEXAS 76624

LOCATION ARTELL, TEX
 COUNTY MCLENNAN
 DATE COLLECTED 1-11-77
 OWNERSHIP OF SUPPLY:
ARTELL WATER
SUPPLY CORP.

IF FROM WELL

Depth 33-0 FT
 Age 18 Yrs
 Well No. 1

POINT OF COLLECTION

Raw Supply _____
 Plant Discharge _____
 Distribution Other
 Other _____

PHYSICAL APPEARANCE

Clear _____
 Turbid _____
 Colored _____
 Odor _____

IF SURFACE SUPPLY

Name of source _____

REMARKS:

Signature of Public Official, Water Utility Official, or authorized representative requesting the analysis:

Long J. McMillan
 (Signature)

RT 1 Box 136-A ARTELL, TEX
 (Address of Official) 76624

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for minerals in solution)

JAN 25 1977

Laboratory No.	Date Received	Date Reported
_____	_____	_____
Calcium _____ Milligrams per Liter <u>2</u>	Carbonate _____ Milligrams per Liter <u>0</u>	Dissolved solids _____ Milligrams per Liter <u>990</u>
Magnesium _____ Milligrams per Liter <u>4</u>	Bicarbonate _____ Milligrams per Liter <u>520</u>	Phenolphthalein _____
Sodium _____ Milligrams per Liter <u>382</u>	Sulphate _____ Milligrams per Liter <u>123</u>	Alkalinity as CaCO ₃ _____ Milligrams per Liter <u>0</u>
Manganese _____ Milligrams per Liter _____	Chloride _____ Milligrams per Liter <u>59</u>	Total Alkalinity as CaCO ₃ _____ Milligrams per Liter <u>426</u>
Iron _____ Milligrams per Liter _____	Fluoride _____ Milligrams per Liter <u>2.6</u>	Total Hardness as CaCO ₃ _____ Milligrams per Liter <u>22</u>
	Nitrate _____ Milligrams per Liter <u>24</u>	

pH 8.3 Diluted Conductance Micromhos/cm 1796

RECOMMENDED LIMITS FOR DRINKING WATER IN MILLIGRAMS PER LITER.

IRON	0.3	FLUORIDE	0.4-1.0
MANGANESE	0.05	NITRATE	45
SULPHATE	250	TOTAL SOLIDS	500
CALCIUM	500		

39-17-701

REQUEST FOR CHEMICAL ANALYSIS OF WATER
 TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES
 1100 WEST 4TH STREET AUSTIN, TEXAS 78756

IMPORTANT - READ CAREFULLY:

All requests must be signed by the person requesting the analysis. Chemical analyses are limited to samples of water from public supplies the examination of which is required by a proper official. If the supply being sampled is of public interest and not presently serving the public, an explanation of the reason for requesting the analysis should be furnished under "Remarks" or by attaching a separate explanatory sheet. Please complete the form with typewriter (block letters) or type plainly using soft pencil or black ink. A ball point pen should not be used.

Form request 101

LAUREN SWANER
AXTELL, TEXAS 78654

LOCATION AXTELL, TEX
 COUNTY GLENNDALE
 DATE COLLECTED 2-3-78
 OWNERSHIP OF SUPPLY:
MUNICIPAL WATER
SUPPLY BOARD

IF FROM WELL	POINT OF COLLECTION	PHYSICAL APPEARANCE
Depth _____	Raw Supply _____	Clear <input checked="" type="checkbox"/>
Age _____	Plant Discharge _____	Turbid _____
Well No. <u>1</u>	Distribution <u>to house</u>	Colored _____
	Other _____	Other _____

IF SURFACE SUPPLY
 Name of source _____

REMARKS: _____

Signature of Public Official, Water Utility Officer, or authorized representative requesting the analysis:

Annita Coglianese Box 182 AXTELL TX
(Address of Official)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for minerals in solution)

1 gal.

Laboratory No. _____ Date Reported 2-13-78 Date Reported MAR 12 1978

	Milligrams per Liter	Milligrams per Liter	Milligrams per Liter
Calcium <u>4</u>	Carbonate <u>1</u>	Disolved solids <u>980</u>	
Magnesium <u>1</u>	Bicarbonate <u>516</u>	Phosphorus _____	
Sodium <u>283</u>	Sulphate <u>114</u>	Alkalinity as CaCO ₃ <u>1</u>	
Manganese <u>Supports P. aeruginosa</u>	Chloride <u>58</u>	Total Alkalinity as CaCO ₃ <u>985</u>	
Iron <u>18 (chemical)</u>	Fluoride <u>2.0</u>	Total Hardness as CaCO ₃ <u>13</u>	
	Nitrate <u>2.3</u>		

pH 8.4 Diluted Conductance Microhm/cm 1305

RECOMMENDED LIMITS FOR DRINKING WATER IN MILLIGRAMS PER LITER

IRON	0.3	FLUORIDE	0.4-1.0
AMMONIUM	5.0	NITRATE	45
SALPHATE	100	TOTAL SOLIDS	500
CALCIUM	100		

FORM NO. 6-67

39-17-701

REQUEST FOR CHEMICAL ANALYSIS OF WATER
 TARRANT COUNTY DEPARTMENT OF HEALTH
 1100 WEST 49th STREET AUSTIN, TEXAS 78758

Send report to:

James J. Conliffe, President
Route 1 Box 192
Axtell Texas 76624

NAME OF WATER SYSTEM:

Axtell WSC
 Area Served community & surroundings
 County Mclennan
 Date Collected 3-17-78

POINT OF COLLECTION IF FROM WELL IF SURFACE SUPPLY
 Raw Supply _____ Depth 3000-3730 Name of source _____
 Plant Discharge _____ AGE about 19 yrs
 Distribution Sutherland's Well No. _____
 Other _____

REMARKS: _____

Signature of Public Official, Water Utility Official, or authorized representative requesting the analysis:

Herb W. Laney EIT Texas Dept Health PHRG
 (Signature) (Address of Official)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

Laboratory No. 290 Date Received MAR 23 1978 Date Reported MAR 15 78

Milligrams per Liter		Milligrams per Liter		Milligrams per Liter	
Calcium	<u>3</u>	Arsenic	<u>0.017</u>	ORGANIC CHEMICALS:	
Magnesium	<u>1</u>	Barium	<u>< 0.5</u>	Endrin	_____
Sodium	<u>284</u>	Cadmium	<u>< 0.002</u>	Lindane	_____
Carbonate	<u>0</u>	Chromium	<u>< 0.02</u>	Methoxychlor	_____
Bicarbonate	<u>514</u>	Iron	<u>0.03</u>	Toxaphene	_____
Sulphate	<u>111</u>	Lead	<u>< 0.02</u>	2, 4-D	_____
Chloride	<u>59</u>	Manganese	<u>< 0.02</u>	2, 4, 5-TP	_____
Fluoride	<u>2.0</u>	Mercury	<u>< 0.0002</u>	RADIOCHEMICAL:	
Nitrate (as N)	<u>0.5</u>	Selenium	<u>< 0.002</u>	Gross Alpha	<u>2.9 ± 0.8 pCi/l</u>
		Silver	<u>< 0.01</u>	Radium 226	<u>pCi/l</u>
				Gross Beta	<u>pCi/l</u>
Turbidity (FTU)		Disolved Solids	<u>720</u>	Gamma Scan	
pH	<u>8.2</u>	Phenolphthalein Alkalinity as CaCO ₃	<u>0</u>	ADDITIONAL ANALYSIS:	
Diluted Conductance		Total Alkalinity as CaCO ₃	<u>421</u>		
Micromhos/cm	<u>1287</u>	Total Hardness as CaCO ₃	<u>12</u>		

FORM NO. 0-128

39-17-701

REQUEST FOR CHEMICAL ANALYSIS OF WATER
TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES
 1100 WEST 49th STREET AUSTIN, TEXAS 78756

IMPORTANT - READ CAREFULLY:

★ All requests must be signed by the person requesting the analysis. Chemical analyses are limited to samples of water from public supplies the examination of which is requested by a proper official. If the supply being sampled is of public interest and not presently serving the public, an explanation of the reason for requesting the analysis should be furnished under "Remarks" or by attaching a separate explanatory sheet. Please complete the form with typewriter (black ribbon) or print neatly using soft pencil or black ink. A ball point pen should not be used.

Send report to:

JERRY SWARTZ
P.O. BOX 362
AXTELL, TEX 76624

LOCATION AXTELL, TEX
 COUNTY MCKENNA
 DATE COLLECTED 1-18-79
 OWNERSHIP OF SUPPLY:
AXTELL WATER
SUPPLY CORP.

IF FROM WELL

Depth 30 FT
 Age 37 YEARS
 Well No. 1

POINT OF COLLECTION

Raw Supply _____
 Plant Discharge _____
 Distribution ✓ _____
 Other _____

PHYSICAL APPEARANCE

Clear ✓
 Turbid _____
 Colored _____
 Odor _____

IF SURFACE SUPPLY

Name of source _____

REMARKS: REQUESTED BY COUNTY HEALTH DEPARTMENT

Signature of Public Official, Water Utility Official, or authorized representative requesting the analysis:

[Signature]
 (Signature)

Post Box 40 Axtell, Tex
 (Address of Official) 76624

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for minerals in solution)

L501 Laboratory No. _____ Date Received 1-18-79 Date Reported FEB 01 79

	Milligrams per Liter		Milligrams per Liter		Milligrams per Liter
Calcium	<u>4</u>	Carbonate	<u>4</u>	Dissolved solids	<u>100</u>
Magnesium	<u>5</u>	Bicarbonate	<u>511</u>	Phenolphthalein	
Sodium	<u>288</u>	Sulphate	<u>117</u>	Alkalinity as CaCO ₃	<u>3</u>
Manganese		Chloride	<u>58</u>	Total Alkalinity as CaCO ₃	<u>4.25</u>
Iron		Fluoride	<u>2.1</u>	Total Hardness as CaCO ₃	<u>10</u>
		Nitrate	<u>2.2</u>		

pH 8.4 Diluted Conductance Micromhos/cm 1305

RECOMMENDED LIMITS FOR DRINKING WATER IN MILLIGRAMS PER LITER.

IRON	0.3	FLUORIDE	0.6-1.0
MANGANESE	0.05	NITRATE	45
SULPHATE	250	TOTAL SOLIDS	500
CHLORIDE	250		

FORM NO. 0-69

39-17-701

REQUEST FOR CHEMICAL ANALYSIS OF WATER
TEXAS STATE DEPARTMENT OF HEALTH LABORATORIES
1100 WEST 49th STREET AUSTIN, TEXAS 78756

IMPORTANT - READ CAREFULLY:

All requests must be signed by the person requesting the analysis. Chemical analyses are limited to samples of water from public supplies the examination of which is requested by a proper official. If the supply being sampled is of public interest and not presently serving the public, an explanation of the reason for requesting the analysis should be furnished under "Remarks" or by attaching a separate explanatory sheet. Please complete the form with typewriter (black ribbon) or print plainly using soft pencil or black ink. A ball point pen should not be used.

Send report to:

JEAN SWANER
P.O. BOX
AXTELL, TEXAS 76624

LOCATION AXTELL, TEX.
 COUNTY MCLENNAN
 DATE COLLECTED 1-15-80
 OWNERSHIP OF SUPPLY:
AXTELL WATER
SUPPLY CORP.

IF FROM WELL

Depth 3300 FT.
 Age 21 yrs.
 Well No. 1

POINT OF COLLECTION

Raw Supply _____
 Plant Discharge _____
 Distribution OK
 Other _____

PHYSICAL APPEARANCE

Clear
 Turbid _____
 Colored _____
 Odor _____

IF SURFACE SUPPLY

Name of source _____

REMARKS: _____

Signature of Public Official, Water Utility Official, or authorized representative requesting the analysis:

James H. ...
 (Signature)

P.O. Box 182 Axtell, Tx 76624
 (Address of Official)

FOR LABORATORY USE ONLY

CHEMICAL ANALYSIS REPORT

(Values reported are for minerals in solution)

JAN 18 1980

Laboratory No. CO5423 Date Received _____ Date Reported _____

	Milligrams per Liter		Milligrams per Liter		Milligrams per Liter
Calcium	<u>4</u>	Carbonate	<u>5</u>	Dissolved solids	<u>995</u>
Magnesium	<u>41</u>	Bicarbonate	<u>512</u>	Phenolphthalein	
Sodium	<u>288</u>	Sulphate	<u>121</u>	Alkalinity as CaCO ₃	<u>4</u>
Potassium	<u>2</u>	Chloride	<u>59</u>	Total Alkalinity as CaCO ₃	<u>428</u>
Manganese		Fluoride	<u>2.0</u>	Total Hardness as CaCO ₃	<u>12</u>
Iron		Nitrate	<u>2.3</u>		

pH 8.4 Diluted Conductance Micromhos/cm 1314

RECOMMENDED LIMITS FOR DRINKING WATER IN MILLIGRAMS PER LITER.

IRON	0.3	FLUORIDE	0.6-1.0
MANGANESE	0.05	NITRATE	45
SULPHATE	250	TOTAL SOLIDS	500
CHLORIDE	250		

FORM NO. G-68

39-17-701

Non-community Water Supply Chemical Analysis Report
 Texas Department of Health - Division of Water Hygiene
 1100 West 49th Street Austin, Texas 78756

Send Report To:

Attn: Mrs. Jess Swann
Atwell Water Supply Co.
P.O. Box 362
Atwell, TX 76604

NAME OF WATER SUPPLY:

Atwell Water Supply Co.
 Water Supply I.D. # 1550016
 County Van Buren (1-7)

SAMPLE TYPE

IF FROM WELL

IF SURFACE SUPPLY

- ~~Distribution~~ Depth _____ ft. Name of Source _____
- Plant Discharge Age _____ yrs. _____
- Raw Supply Well No. _____
- Other REMARKS: _____

Date Collected 1/27/81
 (31-36)

Laboratory No. _____
 (10-13)

CEI- 6081

JAN 28 1981

	Date Received (17-20)	Date Reported (17-20)
1016 Calcium	<u>3</u> mg/l	1028 Iron _____ mg/l
1031 Magnesium	<u>1</u> mg/l	1032 Manganese _____ mg/l
1052 Sodium	<u>288</u> mg/l	
1929 Carbonate	<u>3</u> mg/l	
1928 Bicarbonate ²⁵³	<u>515</u> mg/l	
1055 Sulphate	<u>121</u> mg/l	
1017 Chloride	<u>66</u> mg/l	
1025 Fluoride	<u>2.0</u> mg/l	
1040 Nitrate (as N)	<u>0.50</u> mg/l	
1050 Dissolved Solids	<u>239</u> mg/l	
1931 Phenolphthalein Alkalinity as CaCO	<u>3</u> mg/l	
1927 Total Alkalinity as CaCO	<u>428</u> mg/l	
1915 Total Hardness as CaCO	<u>11</u> mg/l	
1925 pH	<u>8.4</u>	
1926 Diluted Conductance Micromhos/cm.	<u>1314</u>	

39-17-701
 FORM NO. H-71

Community Water Supply Chemical Analysis Report
 Texas Department of Health — Division of Water Hygiene
 1100 West 49th Street Austin, Texas 78756

Send Report To:

Circle K WSC
Box 182
Axtell, TX 76624

NAME OF WATER SUPPLY:

Water Supply I.D. No. 6550016
 County McKenna⁽¹⁻⁷⁾

SAMPLE TYPE

IF FROM WELL

IF SURFACE SUPPLY

Distribution *aka*

Depth 3000 ft.

Name of Source

Plant Discharge

Age unk yrs.

NA

Raw Supply

Well No. 1

Other

REMARKS:

2 1/2 gal sampler (acidified)
UPP Average
 (Signature)

Date Collected 9/10/84
 (31-36)

SEP 17 1984

NOV 08 1984

Laboratory No (10-13)	Date Received (17-20)	mg/l
1016 Calcium	_____	_____ mg/l
1031 Magnesium	_____	_____ mg/l
1052 Sodium	_____	_____ mg/l
1929 Carbonate	_____	_____ mg/l
(10-13) SAMPLE NO.: EPS-411 (17-20)		
1014 Calcium	_____	3 mg/l
1031 Magnesium	_____	<1 mg/l
1052 Sodium	_____	291 mg/l
1929 Carbonate	253	3 mg/l
1929 Bicarbonate	_____	515 mg/l
1055 Sulfate	_____	116 mg/l
1017 Chloride	_____	61 mg/l
1025 Fluoride	_____	2.1 mg/l
1040 Nitrate (asN)	_____	.01 mg/l
1930 Dissolved solids	_____	732 mg/l
1931 Phenolphthalein Alkalinity as CaCO3	_____	3 mg/l
1927 Total Alkalinity as CaCO3	_____	428 mg/l
1915 Total Hardness as CaCO3	_____	9 mg/l
1925 pH	_____	8.4
1926 Diluted Conductance Microhm/cm.	_____	1309

(10-13)	Date Reported (17-20)	mg/l
1005 Arsenic	_____	0.011 mg/l
1010 Barium	_____	<0.5 mg/l
1015 Cadmium	_____	<0.005 mg/l
1020 Chromium	_____	<0.02 mg/l
1022 Copper	_____	<0.02 mg/l
1028 Iron	_____	0.04 mg/l
1030 Lead	_____	<0.02 mg/l
1032 Manganese	_____	<0.02 mg/l
1035 Mercury	_____	<0.0002 mg/l
1045 Selenium	_____	<0.002 mg/l
1050 Silver	_____	<0.01 mg/l
1095 Zinc	_____	<0.02 mg/l
2005 Endrin	_____	_____ mg/l
2010 Lindane	_____	_____ mg/l
2015 Methoxychlor	_____	_____ mg/l
2020 Toxaphene	_____	_____ mg/l
2105 2, 4-D	_____	_____ mg/l
2110 2, 4, 5-TP	_____	_____ mg/l

39-17-701
 Form No. H-72

Texas Water Development Board
Stephen F. Austin Building
1700 Congress Avenue
Austin, Texas 78711

GWR-II-28 0067

Organization No. 320
Work 3202IAC-87-88 1585

Attu: Robert Flores Room: 3-0
611 S. Congress

Laboratory Code 011

County McLennan State Well No. 019 112 714-00
Date Collected 07/15/88 Sample No. 11 Time 09:00
By F. Gilletty Code for Sample Collecting Agency 1211
Temperature 41.5 °C

If Different From Completed Well

Analysis Reliability Remark
Chemical Constituent Remark

Aquifer	Producing Interval	
<input type="checkbox"/>	Top <input type="checkbox"/>	Bottom <input type="checkbox"/>

Remarks _____
 Owner Axtell Water Supply Corp Send copy to owner
 Address P.O. Box 341 Axtell, Tx. 76224
 Date Drilled 4-59 Depth 3129 ft. NWT Houston Point of collection Fract at well
 Sampled after pumping 10A hrs. Yield _____ GPM 15.1 Use P.S.

CHEMICAL ANALYSIS

Laboratory No. [Redacted] Date Received JUL 15 '88 Date Reported SIP 23 '88

1001
24/5

ME/L	Flag	MG/L
Laboratory No. <u>588-1373</u>	Date Received <u>071588</u>	Date Reported <u>072188</u>
Silica <u>00955</u>		Flag <u>MG/L</u>
Calcium <u>00912</u>	<u>.2</u>	<u>24</u>
Magnesium <u>00925</u>		<u>+</u>
Sodium <u>00930</u>	<u>12.52</u>	<u>+</u>
Potassium <u>00935</u>	<u>.05</u>	<u>+</u>
Sulfate <u>00946</u>	<u>2.5</u>	<u>120</u>
Chloride <u>00940</u>	<u>1.72</u>	<u>61</u>
Fluoride <u>00930</u>	<u>.11</u>	<u>2</u>
Nitrate as NO3 <u>71851</u> (A)	<u>0</u>	<u>04</u>
		<u>109</u>

Total Alk as CaCO3 _____
Total Hardness as CaCO3 00900
Specific Conductance (umhos at 25C) 00093

Alpha < 2.0 P.L. Litter
Beta < 2.0 P.L. Litter
Radium 226 _____ Radium 228 _____

Typewrite (Black ribbon) or Print Plainly
(soft pencil or black ink)
Do not use ball point pen

Texas Department of Health Laboratories
1100 West 49th Street
Austin, Texas 78756

*GWR
4/23/80
LWD*

TDWR ONLY

Organization No. _____ Lab No. 01

Work No. 6040

CHEMICAL WATER ANALYSIS REPORT
§ R. S.

Send report to:

Data Collection and Evaluation Section
Texas Department of Water Resources
P.O. Box 13087
Austin, Texas 78711

APR 2 1980

County 155 McLENNAN

State Well No. 34-12-701

Well No. _____

Date Collected 03-12-80

Location _____ CAPT. E. B. SUTHERLAND Sample No. _____ By S. MOORE

Source (type of well) SUB Owner AYTELL WATER SUPPLY CORP., P.O. BOX 341, AYTELL, TX., 76624

Date Drilled APRIL 59 Depth 3129 ft. WBF HOUSTON

Producing intervals 2933' 3051' Water level 231.44 ft. Sample depth _____ ft.

Sampled after pumping CONT hrs. Yield _____ GPM _____ Temperature 11.9 °F _____ °C

Point of collection DISCHARGE PIPE AT WELL Appearance clear turbid colored other

Use P2 Remarks WLOW

(FOR LABORATORY USE ONLY)

Laboratory CO8078 Date Received MAR 14 1980 KEY PUNCHED Date Reported MAR 31 '80

	MG/L	ME/L
Silica . . . 00955 . . .	<u>25</u>	
Calcium . . . 00815 . . .	<u>4</u>	<u>0.18</u>
Magnesium . . . 00925 . . .	<u>41</u>	<u>0.04</u>
Sodium . . . 00929 . . .	<u>282</u>	<u>12.26</u>
Total	<u>12</u>	<u>48</u>
<input type="checkbox"/> Potassium . . . 00937 . . .		
<input type="checkbox"/> Manganese . . . 01065 . . .		%Na _____
<input type="checkbox"/> Boron . . . 01022 . . .		SAR _____
<input type="checkbox"/> Total Iron . . . 01045 . . .		RSC _____

	MG/L	ME/L
Carbonate . . . 00445 . . .	<u>10</u>	<u>0.32</u>
Bicarbonate . . . 00440 . . .	<u>506</u>	<u>8.30</u>
Sulfate . . . 00945 . . .	<u>122</u>	<u>2.54</u>
Chloride . . . 00940 . . .	<u>56</u>	<u>1.58</u>
Fluoride . . . 00951 . . .	<u>2.0</u>	<u>0.11</u>
Nitrate . . . 71850 . . .	<u>4.1</u>	<u>-</u>
pH . . . 00403 . . .	<u>8.6</u>	Total <u>12.85</u>

(other) _____ MG/L

Specific Conductance (micromhos/cm²) . . . 00095 . . . 1041

Diluted Conductance (micromhos/cm²) 10 x 131

1310

* Items will be analyzed if checked.

Dissolved Solids (residue at 180°C) . . . 70300 . . . 232

Phenolphthalein Alkalinity as CaCO₃ . . . 00415 . . . 8

Total Alkalinity as CaCO₃ . . . 00410 . . . 431

Total Hardness as CaCO₃ . . . 00900 . . . 11

Ammonia - N . . . 00610 . . .

Nitrite - N . . . 00615 . . .

Nitrate - N . . . 00620 . . .

Organic Nitrogen 00805 . . .

¹ The bicarbonate reported in this analysis can be converted by computation (multiplying by 0.4917) to an equivalent amount of carbonate, and the carbonate figure used in the computation of dissolved solids.

² Nitrogen cycle requires separate sample.

³ Total Iron and Manganese require separate sample.

TDWR-014B (Rev. 1-8-80)

Analyst _____ Checked By _____

JUL 25 1981
CR/TDWR

Texas Water Development Board
 Stephen F. Austin Building
 1703 Congress Avenue
 Austin, Texas 78711

HM-II-28 00067

Organization No. 206
 Mark No. 32021AC87-88 1585

Area: Robert Flores Room: 3-0

Laboratory Code 011

County McKENNA State Well No. 319 112 1701

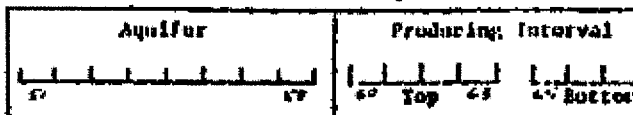
Date Collected 07 15 1988 Sample No. 1 Time 09:10:00

By F. Biberky Code for Sample Collecting Agency 011

Temperature 48.3 °C

If different from completed well

Analysis Reliability Remark
 Chemical Constituent Remark



Remarks

Owner Axtell Water Supply Corp. Send copy to owner

Address P.O. Box 381 Axtell, TX 76624

Date Drilled 4-59 Depth 3129 ft. WUP Houston Point of collection Foot of well

Sampled after pumping POA hrs. Yield _____ GPM max. Use PS

CHEMICAL ANALYSIS

Laboratory No. [REDACTED] Date Received NI 15 '88 Date Reported SEP 26 '88

DESCRIPTION (optional)	STORE CODE	UNITS	FLAG	VALUE
------------------------	------------	-------	------	-------

Laboratory No. EB8 1366

	UG/L		MG/L
Arsenic	01000	Calcium	00915
Barium	01005	Magnesium	00925
Cadmium	01025	Sodium	00930
Chromium	01030	Potassium	00935
Copper	01040		
Iron	01046		
Lead	01049		
Manganese	01056	Boron	01020
Mercury	71890	Silicon	01140
Selenium	01145		
Silver	01075		
Zinc	01090		

Sample was filtered and acidified in the field and analyzed for dissolved metals in the laboratory.

NO ANALYSIS

TEXAS WATER DEVELOPMENT BOARD

Sample Number 399
 Well Number 39-17-701 Date/Time 7/19/94 9:15
 County McLennan Collected by D.R. Jones
 Owner's Name Axtell W.S.C. #1
 Address P.O. Box 180 Axtell, TX.
 Date Drilled _____ Depth _____ Yield _____
 Use P.S. Send Copy to Owner: Yes _____ No _____
 Collection Point FAW. After Pumping P.A. Hours _____
 pH 8.28 Eh _____ Spec. Cond. 1185 TDS _____ Temp 126.0 °E
 Field Alkalinity: Phenol 0 mg/l Total 420.0 mg/l
 Date Analyzed: 8-2-94 Analyst Robert O'Connell

Silica	_____	mg/l
Calcium	<u>2.1</u>	mg/l
Magnesium	<u>0.5</u>	mg/l
Sodium (calculated)	_____	mg/l
Potassium	_____	mg/l
Sulfate	<u>115.0</u>	mg/l
Chloride	<u>52.8</u>	mg/l
Fluoride	_____	mg/l
Nitrate (as N)	_____	mg/l
Iron (01046)	_____	µg/l
Orthophosphate (00671)	_____	mg/l

Results from the Ground Water Monitoring Unit, Texas Water Development Board, P.O. Box 13231, Austin, TX 78711.

We Quality Sampling Run

SWN: 39-17-701 Well # 1 Sample No. 204
 County: McHenry Name: Atwell, W.S. Date: 9/13/94 12:45
 Aquifer(s): HSTN Address: P.O. Box 180 By: D.R. Jones
Atwell, Dr. W.S.

Bottle 1	Bottle 2	Bottle 3	Bottle 4	Bottle 5	Bottle 6	Bottle 7	Total SUB-Samples
1 liter	1 liter	1 liter	500 ml	1 Qt. (glass)			4
ANIONS	CATIONS	RADIOACTIVITY	NITRATE	(TOC) ORGANICS			
	V	V	V	V			
2 ml	2 ml	2 ml	1 ml				
HNO (Nitric)	HNO (Nitric)	HNO (Nitric)	H SO (Sulfuric)				

Preserve with: _____
 Water Level: - LSD PQA
 Temperature (00010): 51.6 °C
 Specific Conductance (00094): 1156 umhos/cm
 pH (00400): 8.53
 Eh (00090): -51.2 mv.
 Phenol ALK (82244): 0 mg/l
 Total ALK (39086): 416.0 mg/l
 Carbonate (00452): 0 meq/l
 Bicarbonate (00453): 8.3 meq/l
 Total Cations(+): _____
 Total Anions (-): _____
 Total Hardness (46570): 11
 Dissolved Solids (70301): 825

Time in: 12:00 P.M. Starting pH: 8.18
 Time out: 12:15 20.8 ml. of 0.02N to
 Weather: Sunny, light 50 ml. of Sample
 Outside Temp: 33.0 °C Ending pH: 4.52
 Sampling point: Spicket on discharge.

Time	12:00	12:10	12:20	12:30	ml.	pH	ml.	pH	ml.	pH
pH:	7.89	8.03	8.03		1.0	7.77	16.0	6.03		
Temp:	51.8	51.5	51.5		2.0	7.52	18.0	5.75		
Eh:			-51.2		3.0	7.37	20.0	5.28		
Cond.	1017	1156	1156		4.0	7.18	20.8	4.52		
					5.0	6.99				
					6.0	6.92				
					8.0	6.73				
					10.0	6.42				
					12.0	6.33				
					14.0	6.00				

Other notes:
 well shut off at 12:10
 Back up @ 12:17
 Samples head pumped.

Texas Water Development Board
Chemical Water Analysis Report

HM- DRJ-1995-204
 HM = Heavy Metals and Alkaline-Earth Metals

TWDB Use Only
Work No. <u>3120-11230</u>
IAC No. _____

Send Reply To:
 Ground Water Unit
 Texas Water Development Board
 P.O. Box 13231
 Austin, Texas 78711

Well # 1

Attention: Phil Nordstrom State Well Number: 39-17-701
 County: McLennan Date & Time: 9/13/94 12:45
 Owner: Artell W.S.C. Send Copy To Owner
 Address: P.O. Box 180 Artell, TX. Sampled After Pumping: P.O.A. Hours
 Date Drilled: 1959 Depth: 3,139 Yield: _____ GPM Measured Estimated
 Collection Point: F.A.W. pH 8.03 Use: P-5 Temperature: 51.6 °C
 By: D.R. Jones Specific Conductance: 115.6

Requested Chemical Analysis

Laboratory: XXXXXXXXXX Date Received: SEP 16 1994 Date Reported: NOV 14 1994

	mg/L		mg/L
Calcium (00915)	<u>3.6</u>	Sodium (00930)	<u>333</u>
Magnesium (00925)	<u>0.5</u>	Potassium (00935)	<u>4.2</u>
Lithium (01130)	<u>0.076</u>	[Convert to µg/L for Data Entry]	
	µg/L		µg/L
Aluminum (01106)	<u>23</u>	Manganese (01058)	<u>3.6</u>
Antimony (01085)	<u><2.0</u>	Mercury (71690)	<u><0.13</u>
Arsenic (01000)	<u>11.7</u>	Molybdenum (01060)	<u><3.0</u>
Barium (01005)	<u>30.3</u>	Nickel (01065)	<u><10</u>
Beryllium (01010)	<u><2.0</u>	Selenium (01145)	<u><4.0</u>
Cadmium (01025)	<u><0.5</u>	Silver (01075)	<u><10</u>
Chromium (01030)	<u><10</u>	Strontium (01080)	<u>224</u>
Cobalt (01035)	<u><10</u>	Thallium (01057)	<u><2.0</u>
Copper (01040)	<u><4.0</u>	Vanadium (01085)	<u><10</u>
Iron (01046)	<u>57.1</u>	Zinc (01090)	<u><10</u>
Lead (01049)	<u><5.0</u>		

Note: Crossout those elements not to be analyzed.

Texas Water Development Board
Chemical Water Analysis Report

RAD - DEJ-1995-304
 RAD = Radioactivity Sample

<i>TWDB Use Only</i>	
Work No.	<u>3120-11230</u>
IAC No.	_____

Send Reply To:
 Ground Water Unit
 Texas Water Development Board
 P.O. Box 19231
 Austin, Texas 78711

WFSI #1

Attention: Phil Nordstrom State Well Number: 39-17-701
 County: McLennan Date & Time: 9/13/94 13:45
 Owner: Axtell W.S.C. Send Copy To Owner
 Address: _____ Sampled After Pumping: _____ Hours
 Date Drilled: _____ Depth: _____ Yield: _____ GPM Measured Estimated
 Collection Point: _____ pH _____ Use: _____ Temperature: _____ °C
 By: D.R. Jones Specific Conductance: _____

Request: 
 Laboratory:  Date Received: SEP 16 1994 Date Reported: OCT 19 1994

<input checked="" type="checkbox"/> Alpha	(01503)	<u>< 2.0</u>	pCi/l
<input checked="" type="checkbox"/> Beta	(03503)	<u>< 4.0</u>	pCi/l
Radium 226	(09503)	_____	pCi/l
Radium 228	(81366)	_____	pCi/l
Total Radium	(11500)	_____	pCi/l
Thorium	(26403)	_____	pCi/l
Uranium	(22703)	_____	pCi/l

00001-F

Texas Water Development Board
Chemical Water Analysis Report

GWR DRJ-1995-204
 (Anions)

TWDB Use Only
Work No. <u>3120-11220</u>
IAC No. _____

Send Reply To:
 Ground Water Unit
 Texas Water Development Board
 P.O. Box 13231
 Austin, Texas 78711

Well #1

Attention: Phil Nordstrom State Well Number: 39-17-701
 County: McLennan Date & Time: 9/13/94 12:45
 Owner: Axtell W.S.Co. Send Copy To Owner
 Address: _____ Sampled After Pumping: _____ Hours
 Date Drilled: _____ Depth: _____ Yield: _____ GPM Measured Estimated
 Collection Point: _____ pH _____ Use: _____ Temperature: _____ °C
 By: D.R. Jones Specific Conductance: _____

Requested Chemical Analysis

Laboratory



Date Received: SEP 16 1994

Date Reported: OCT 10 1994

THD-Sample No.	EB4 1565	Date Received	09/16/94	Date Reported	10/08/94
	MEQ/L	MG/L		MEQ/L	MG/L
Silica (00965)		27			
		Sulfate (00946)	2.60		125
		Chloride (00941)	1.80		64
		Fluoride (00950)	0.09		1.80
P.Akalinity(00415)	0.00	0			
T.Akalinity(00410)	8.88	444			
		Bromide (71870)			0.49

* Convert mg/l Boron to ug/l for data entry.

80091-C
 July 1991

Texas Water Development Board Chemical Water Analysis Report

GWN- DRJ-1995-204
(Nitrogen Cycle)

TWDB Use Only	
Work No.	<u>3120-11220</u>
IAC No.	_____

Send Reply To:
Ground Water Unit
Texas Water Development Board
P.O. Box 13231
Austin, Texas 78711

Well # 1

Attention: Phil Nordstrom State Well Number: 39-17-701

County: McLennan Date & Time: 9/13/94 12:45

Owner: Axtell W.S.C. Send Copy To Owner

Address: _____ Sampled After Pumping: _____ Hours

Date Drilled: _____ Depth: _____ Yield: _____ GPM Measured Estimated

Collection Point: _____ pH _____ Use: _____ Temperature: _____ °C

By: D. R. Jones Specific Conductance: _____

Requested _____ Date Received: SEP 16 1994 Date Reported: SEP 23 1994

Laboratory No. _____

THD-Sample No. EB4 1555	Date Received 09/16/94	Date Reported 09/22/94
	00623-	0.7 TKN as N mg/L
	00608-	0.54 Ammonia as N mg/L
	00613-	< 0.01 Nitrite as N mg/L
	00618-	0.01 Nitrate as N mg/L

*Note: To convert NO₂-N to NO₃- multiply by 4.427.

Water Quality Field Data

SWR: 39-17-7a1
 County: W. S. Leander
 Aquifer(s): RT MBIN

Sample No. 476
 Date: 05/19/97
 By: D.B. Jones

Name: Axtell W.S.F.
 Address: 66 Robert M. Jacobus
Box 121, Box 76524
 owner's well # _____

Bottle 1		Bottle 2		Bottle 3		Bottle 4		Bottle 5		Bottle 6		Bottle 7		Total	
500 ml	1 liter	250 ml	1 liter	250 ml	1 liter	250 ml	1 liter	250 ml	1 liter	250 ml	1 liter	250 ml	1 liter	250 ml	1 liter
Antions	Calcium	Nitrate	Calcium	Nitrate	Calcium	Nitrate	Calcium	Nitrate	Calcium	Nitrate	Calcium	Nitrate	Calcium	Nitrate	Calcium
2 ml	2 ml	0.5 ml	2 ml	0.5 ml	2 ml	0.5 ml	2 ml	0.5 ml	2 ml	0.5 ml	2 ml	0.5 ml	2 ml	0.5 ml	2 ml
HNO ₃ (Nitric)	HNO ₃ (Nitric)	H ₂ SO ₄ (Sulfuric)	H ₂ SO ₄ (Sulfuric)	H ₂ SO ₄ (Sulfuric)	HNO ₃ (Nitric)	HNO ₃ (Nitric)	HNO ₃ (Nitric)	HNO ₃ (Nitric)	HNO ₃ (Nitric)	HNO ₃ (Nitric)	HNO ₃ (Nitric)	HNO ₃ (Nitric)	HNO ₃ (Nitric)	HNO ₃ (Nitric)	HNO ₃ (Nitric)
Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity	Radioactivity
Time in	Time out	Time in	Time out	Time in	Time out	Time in	Time out	Time in	Time out	Time in	Time out	Time in	Time out	Time in	Time out
09:00	09:30	09:00	09:30	09:00	09:30	09:00	09:30	09:00	09:30	09:00	09:30	09:00	09:30	09:00	09:30
Weather	Sample time	Weather	Sample time	Weather	Sample time	Weather	Sample time	Weather	Sample time	Weather	Sample time	Weather	Sample time	Weather	Sample time
Sunny	09:15	Sunny	09:15	Sunny	09:15	Sunny	09:15	Sunny	09:15	Sunny	09:15	Sunny	09:15	Sunny	09:15
Clouds Temp	Starting pH	Clouds Temp	Starting pH	Clouds Temp	Starting pH	Clouds Temp	Starting pH	Clouds Temp	Starting pH	Clouds Temp	Starting pH	Clouds Temp	Starting pH	Clouds Temp	Starting pH
187.7	7.14	187.7	7.14	187.7	7.14	187.7	7.14	187.7	7.14	187.7	7.14	187.7	7.14	187.7	7.14
Sampling point	Ending pH	Sampling point	Ending pH	Sampling point	Ending pH	Sampling point	Ending pH	Sampling point	Ending pH	Sampling point	Ending pH	Sampling point	Ending pH	Sampling point	Ending pH
on discharge	4.50	on discharge	4.50	on discharge	4.50	on discharge	4.50	on discharge	4.50	on discharge	4.50	on discharge	4.50	on discharge	4.50
Time: 9:19	pH: 7.57	Time: 9:23	pH: 7.59	Time: 9:27	pH: 7.60	Time: 9:30	pH: 7.61	Time: 9:33	pH: 7.62	Time: 9:36	pH: 7.63	Time: 9:39	pH: 7.64	Time: 9:42	pH: 7.65
Temp: 80.2	Eh: 482.0	Temp: 80.2	Eh: 482.0	Temp: 80.2	Eh: 482.0	Temp: 80.2	Eh: 482.0	Temp: 80.2	Eh: 482.0	Temp: 80.2	Eh: 482.0	Temp: 80.2	Eh: 482.0	Temp: 80.2	Eh: 482.0
Cond: 12.5	Total Alk: 494.74	Cond: 12.5	Total Alk: 494.74	Cond: 12.5	Total Alk: 494.74	Cond: 12.5	Total Alk: 494.74	Cond: 12.5	Total Alk: 494.74	Cond: 12.5	Total Alk: 494.74	Cond: 12.5	Total Alk: 494.74	Cond: 12.5	Total Alk: 494.74
other notes:															

9
715



FINAL ANALYSIS REPORT

LAB ID: 9907591 SAMPLE DESCRIPTION: Groundwater
 COMPANY: TX Water Dev. Board SAMPLE DATE: 05/19/99
 ACCT NO: SAMPLE TIME: 0930
 REQUISITION No.: R10923 DATE RECEIVED: 05/20/99
 LOCATION ID: 39-17-701 REPORT DATE: 06/09/99

PARAMETER	RESULTS	UNITS	STORET #	PQL in WATER	DATE ANALYZED
Bromide	0.36	mg/L	71870	0.02	05/21/99
Chloride	55.6	mg/L	00941	1.5	05/21/99
Fluoride	1.89	mg/L	00950	0.01	05/21/99
Nit., nitri/nitra-AFA	<0.020	mg/L	00630	0.010	05/26/99
Nitrogen, Kjeldahl	0.472	mg/L	00623	0.040	05/28/99
Nitrogen, ammonia	0.474	mg/L	00608	0.040	05/21/99
Phosphorus, Total	<0.040	mg/L	00665	0.040	05/28/99
silica	28.60	mg/L	00955	0.50	05/27/99
Sulfate	113.00	mg/L	00946	1.50	05/21/99
Alkalinity, Total	407	mg/L	00410	1	05/21/99
Alkalinity, Phenol.	2	mg/L	00415	0	05/21/99
Boron, Dissolved	622.00	ug/L	01020	50.00	06/03/99
Cobalt, Diss. ICPMS	<1.0	ug/L	01035	1.0	06/02/99
Iron, Dissolved	57.00	ug/L	01046	50.00	06/03/99
Lithium, Diss. ICPMS	92.2	ug/L	01130	2.0	06/02/99
Molybdenum Dis ICPMS	3.5	ug/L	01060	1.0	06/02/99
Potassium, Dissolved	2.54	mg/L	00935	0.20	06/03/99
Strontium, Dissolved	216.00	ug/L	01020	20.00	06/03/99
Vanadium, Diss ICPMS	5.2	ug/L	01085	1.0	06/02/99
Aluminum, Dis. ICPMS	7.5	ug/L	01106	4.0	06/02/99
Arsenic, Diss. ICPMS	15.5	ug/L	01000	2.0	06/02/99
Barium, Diss. ICPMS	86.9	ug/L	01005	1.0	06/02/99
Cadmium, Diss. ICPMS	<1.0	ug/L	01025	1.0	06/02/99
Calcium, Dissolved	3.13	mg/L	00915	0.20	06/03/99
Chromium, Diss ICPMS	16.5	ug/L	01030	1.0	06/02/99
Copper, Diss. ICPMS	13.8	ug/L	01040	2.0	06/02/99
Lead, Diss. ICPMS	1.7	ug/L	01049	1.0	06/02/99
Magnesium, Dissolved	0.36	mg/L	00925	0.20	06/03/99
Manganese, Dis ICPMS	2.5	ug/L	01056	1.0	06/02/99
Nickel, Diss. ICPMS	<1.0	ug/L	01065	1.0	06/02/99
Selenium, Dis. ICPMS	<4.0	ug/L	01145	4.0	06/02/99
Sodium, Dissolved	266.00	mg/L	00930	0.20	06/03/99
Antimony, Dis. ICPMS	<1.0	ug/L	01095	1.0	06/02/99
Beryllium, Dis ICPMS	<1.0	ug/L	01010	1.0	06/02/99
Thallium, Diss ICPMS	<1.0	ug/L	01057	1.0	06/02/99
Zinc, Diss. ICPMS	<2.0	ug/L	01090	2.0	06/02/99

PAGE 7

Lower Colorado River Authority • P. O. Box 220 • Austin, Texas 78767
 3505 Montopolis Drive • Austin, Texas 78744 • (512) 356-6002 • (800) 776-6272 • (512) 356-6021 FAX

2003FY

TWDB Water Quality Field Data Sheet

Newly Invented Well

State Well Number: 3917701 Name: Axtell WSC
 County: McLennan Address: P.O. Box 180
 County Code: 309 Axtell, Tx 76624
 Aquifer Code: 217HSTN Phone Number: (254) 863-0001
 Aquifer Id: 28 Attention:

Sample ID Number: 576

Date: 5/15/2008

Sampler(s): C. Hamilton

Well Name or #:

CIRCLE EACH SAMPLE FRACTION COLLECTED:

1	500ml (filtered) Anions / Total Alk.	2	500ml (filtered) Cations	3	250ml (filtered) Nitrate	4	40 ml (unfiltered) Atrazine	5	
	Ice		Nitric (HNO3)		Ice + H2SO4		Ice and in dark		

Proper preservation requires adding enough of the correct acid to each sample fraction to bring the pH below 2.0.

Calibration Verification Readings

pH	7 =	7.01
	4 of 10 =	10.02
SLP =	56.2	7.38 = 7.26
Conductivity	500 =	502
	1000 =	1012
	2000 =	1990
	5000 =	

Time In: 12:15

Time Out: 1:20

W.L. depth from LSD (ft.):

W.L. remark: 41.43

M.P. =

Pumping Since: P.O.A

Sampling Point: FAW

Well Use: P
 Lift: S
 Power: E

FIELD G.P.S. readings
 Latitude: ° ' "
 Longitude: ° ' "

Casing Type: Steel

Casing Size: 4-6"

Sample Time: 12:57

Filter pressure: hand pump / line

Water Quality Stabilization Parameters Table (at least 3 readings at five minute intervals)

Time:	<u>12:45</u>	<u>12:50</u>	<u>12:55</u>		
pH:	<u>7.23</u>	<u>7.28</u>	<u>7.29</u>		
Calcium Temp. (00010)	<u>51.9</u>	<u>52.2</u>	<u>52.2</u>		
Conductivity (us/cm):	<u>1236</u>	<u>1236</u>	<u>1241</u>		

*Water Stabilization Parameters Table
 23

Field Alkalinity Titration:

7.61	Start pH	4.51	End pH
50.0	mL Sample Size		
N/A	mL Acid added for Phenol (> 8.3)		
20.20	mL Acid added for Total (8.3 - 4.5)		

Items below calculated from: mL acid added x 20 = Alkalinity
 Phenol Alkalinity (PAlk): N/A mg/L
 Total Alkalinity (TAlk): 404.0 mg/L

Items Below Calculated Later From Results:

Dissolved Solids (mg/L):	<u>723</u>
Hardness (as CaCO3):	<u>9</u>
Balance:	<input checked="" type="checkbox"/>

Notes: *Yard work nearby, therefore air quality poor.

Done Entered By: same or info Database Yes / No

LCRA Environmental Laboratory Services

Date: 09-Jun-03

CLIENT: Texas Water Development Board Client Sample ID: 39-17-701
 Lab Order: 0305210 File No: 24660
 Project: TWDB FY03 Collection Date: 5/15/2003 12:57:00 PM
 Lab ID: 0305210-15 Matrix: GROUNDWATER

Analyses	Storet	Result	PQL	Qual	Units	DF	BatchID	Date Analyzed
ICP METALS DISSOLVED								
		E200.7						Analyst: MLP
Calcium		3.11	0.20		mg/L	1	R20037B	6/3/2003 9:00:08 PM
Magnesium		0.43	0.20		mg/L	1	R20037B	6/3/2003 9:00:08 PM
Potassium		2.30	0.20		mg/L	1	R20037B	6/3/2003 9:00:08 PM
Sodium		274	0.71		mg/L	1	R20037B	6/3/2003 9:00:08 PM
ICP METALS DISSOLVED								
		E200.7						Analyst: MLP
Boron		597	51		µg/L	1	R20042B	6/3/2003 9:00:08 PM
Iron		ND	51		µg/L	1	R20042B	6/3/2003 9:00:08 PM
Strontium		217	20		µg/L	1	R20042B	6/3/2003 9:00:08 PM
ICPMS DISSOLVED METALS								
		E200.8						Analyst: SW
Aluminum		6.20	4.00		µg/L	1	R19770D	5/20/2003
Antimony		ND	1.00		µg/L	1	R19770D	5/20/2003
Arsenic		11.8	2.00		µg/L	1	R19770D	5/20/2003
Barium		61.0	1.00		µg/L	1	R19770D	5/20/2003
Beryllium		ND	1.00		µg/L	1	R19800C	5/22/2003
Cadmium		ND	1.00		µg/L	1	R19770D	5/20/2003
Chromium		3.15	1.00		µg/L	1	R19770D	5/20/2003
Cobalt		ND	1.00		µg/L	1	R19770D	5/20/2003
Copper		1.80	1.00		µg/L	1	R10770D	5/20/2003
Lead		ND	1.00		µg/L	1	R19770D	5/20/2003
Lithium		69.0	2.00		µg/L	1	R19600C	5/22/2003
Manganese		3.22	1.00		µg/L	1	R19770D	5/20/2003
Molybdenum		3.33	1.00		µg/L	1	R19770D	5/20/2003
Nickel		ND	1.00		µg/L	1	R19770D	5/20/2003
Selenium		ND	4.00		µg/L	1	R19770D	5/20/2003
Thallium		ND	1.00		µg/L	1	R19770D	5/20/2003
Vanadium		ND	1.00		µg/L	1	R19770D	5/20/2003
Zinc		11.8	4.00		µg/L	1	R19770D	5/20/2003

CATION/ANION BALANCES ANALYST: WM
 Cation/Anion Balance Balanced Date 1 R20053 6/5/2003

ANIONS BY ION CHROMATOGRAPHY, DISSOLVE E300 ANALYST: WR
 Bromide Dissolved 0.30 0.10 mg/L 5 R19979B 5/29/2003 3:42:53 PM
 Chloride Dissolved 53.9 5.00 mg/L 5 R19979B 5/29/2003 3:42:53 PM

Qualifiers: ND - Not Detected at the Reporting Limit S - Spike Recovery outside accepted recovery limits
 J - Analyte detected below quantitation limits R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank E - Value above quantitation (nags)
 * - Value exceeds Maximum Contaminant Level

LCRA Environmental Laboratory Services

Date: 09-Jun-03

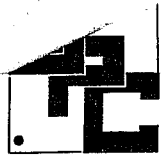
CLIENT: Texas Water Development Board **Client Sample ID:** 39-17-701
Lab Order: 0305210 **File No:** 24660
Project: TWDB FY03 **Collection Date:** 5/15/2003 12:57:00 PM
Lab ID: 0305210-15 **Matrix:** GROUNDWATER

Analyses	Storet	Result	PQL	Qual	Units	DF	BatchID	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY, DISSOLVE E300								
Fluoride Dissolved		1.78	0.05		mg/L	5	R19979B	5/29/2003 3:42:53 PM
Sulfate Dissolved		111	5.00		mg/L	5	R19979B	5/29/2003 3:42:53 PM
ANALYST: WR								
ALKALINITY M2320 B								
Alkalinity, Phenolphthalein		ND	0		mg/L CaCO ₃	1	R19789	5/19/2003
Alkalinity, Total (As CaCO ₃)		417	2		mg/L CaCO ₃	1	R19789	5/19/2003
ANALYST: CMN								
NITRATE AND NITRITE E353.2								
Nitrogen, Nitrate & Nitrite		ND	0.02		mg/L	1	R19785D	5/21/2003
ANALYST: WM								
SILICA E370.1								
Silica, Dissolved (as SiO ₂)		26.1	0.50		mg/L	1	R19781H	5/20/2003
ANALYST: WM								

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitative range

Page 30 of 30



**SMITH
PUMP
COMPANY, INC.**

I N V O I C E

Invoice No 167208
Invoice Date 10/31/2008

REMIT TO:
301 M&B INDUSTRIAL
WACO, TEXAS 76712
(254)776-0377
FAX (254)776-0023

PO Sales Order 153755
Rep CBB
Terms NET 30

Sold To 012400
AXTELL WATER SUPPLY CORP.
P.O. BOX 180
AXTELL, TX 76624

Ship To
AXTELL W.S.C. - WELL #1
NEXT TO SCHOOL
AXTELL, TX

Contact TRICIA LAW (254)863-0001

Open	Ord	Invcd	Dif	Description/Item No	Price	Total
	4	4	0 HR	LABOR, FIELD REG TIME WACO LABORFIELDRTWAC Item service man to check Well #1 for no flow and go to Well #2 and reset underload protection to keep well on line. Well #1 megs bad and pumps no flow	66.0000 HR	264.00
	50	50	0 MI	PORTAGE TRUCK TRUCK SUPER DUTY Service truck to site and back	1.9000 MI	95.00
	1	1	0 EA	PULL & INSPECT 1-153755-3 Item crew with rig to pull Well #1, inspect for damage and quote to repair or replace and re-install.	3118.0000 EA	3118.00
	1	1	0 EA	FRANKLIN 50HP, 8", HI-TEMP GLO-504608HI-TEMP Franklin Electric 50hp, 8", 460v, Hi-Temp 75 submersible motor. NOTE: Delivery on motor is 4-5 weeks, special motor is not stocked, built per order. Existing motor is being sent to Franklin Electric for warranty evaluation, if warranty applies, credit will be issued against the new motor. 10/17/08 Franklin Electric approved warranty, new motor to be at no charge.	0.0000 EA	0.00

(Continued on Next Page)

BRANCH OFFICES

Ft. Worth, Texas
(817) 589-2060
FAX (817) 595-4900

Austin, Texas
(512) 310-1480
FAX (512) 310-1417

San Antonio, Texas
(210) 656-0530
FAX (210) 656-2372

McAllen, Texas
(956) 687-9949
Fax(956) 687-9969

**SMITH
PUMP
COMPANY, INC.**

I N V O I C E

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Invoice Date 10/31/2008

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PO Sales Order 153755
Rep CBB
Terms NET 30

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P.O. BOX 180
AXTELL, TX 76624

Ship To
AXTELL W.S.C. - WELL #1
NEXT TO SCHOOL
AXTELL, TX

Contact TRICIA LAW (254)863-0001

Open	Ord	Invcd	Dif	Description/Item No	Price	Total
	1	1	0 EA	PUMP, 6CHC-9STG, BRZBRG, 4"DISC GLO-6CHC-9 All brz bearings, 8" motor fit, 4.22 imp trim, 4" discharge	2865.0000 EA	2865.00
	106	106	0 FT	PIPE-4"BLACK, SCH 40,W/COLLARS PI/4" BLK Pipe, 4" black, sch 40, threaded and coupled with API line pipe couplings	12.9000 FT	1367.40
	50	50	0 FT	BANDIT-MONEL, 5/8" C80599 5/8" Monel bandit	9.1800 FT	459.00
	20	20	0 EA	BUCKLE-BANDIT, 5/8", MONEL C85599 Monel buckles, 5/8"	6.9800 EA	139.60
	1	1	0 EA	MATERIAL, MISCELLANEOUS MISC MATERIAL HTH tablet, tystraps, splice material	147.0000 EA	147.00
	1	1	0 EA	INSTALL & TEST RUN 1-153755-10 Item crew with rig, haul equipment to site, set up and install all in well, hook up and test run to clean up the water. Includes labor, portage and expenses.	2762.5000 EA	2762.50

Shipped Via	SPCO TRUCK	Date Shipped	10/29/2008	Subtotal	11217.50
FOB	WACO			Sales Tax	689.08
Memo				Shipping	0.00
				Invoice Total	11906.58

Tracking No

BRANCH OFFICES
Ft. Worth, Texas
(817) 589-2060
FAX (817) 595-4900

Austin, Texas
(512) 310-1480
FAX (512) 310-1417

San Antonio, Texas
(210) 656-0530
FAX (210) 656-2372

McAllen, Texas
(956) 687-9949
Fax(956) 687-9969

ALL INVOICES DUE AND PAYABLE AT WACO, McLENNAN COUNTY, TEXAS. RETURNS REQUIRE OUR PRIOR AUTHORIZATION. A FINANCE CHARGE AT THE MAXIMUM LEGAL ALLOWABLE RATE WILL BE ADDED IF THIS INVOICE IS NOT PAID WITHIN 30 DAYS. Seller represents that with respect to the production of the articles and/or the services covered by this invoice, it has fully complied with the provisions of the Fair Labor Standards Act of 1938, as amended. An Equal Employment Opportunity employer.



I N V O I C E

Invoice No 167048
Invoice Date 10/30/2008

REMIT TO:
301 M&B INDUSTRIAL
WACO, TEXAS 76712
(254)776-0377
FAX (254)776-0023

PO VERBAL/TRICIA Rep CBB
Sales Order 153758 Terms NET 30

Sold To 012400
AXTELL WATER SUPPLY CORP.
P.O. BOX 180
AXTELL, TX 76624

Ship To
AXTELL WATER SUPPLY CORP.
PO BOX 180
AXTELL, TX 76624

Contact TRICIA LAW (254) 863-0001

Table with columns: Ord, Invc, Dif, Description/Item No, Price, Total. Includes items for PUMP- END SUCTION 3X4X8 and SERVICES, FIELD.

Shipped Via SPC SALEMN Date Shipped 10/18/2008 Subtotal 2176.50
FOB P/DEST Sales Tax 179.56
Memo Shipping 0.00
Tracking No Invoice Total 2356.06

BRANCH OFFICES
Ft. Worth, Texas
(817) 589-2060
FAX (817) 595-4900

Austin, Texas
(512) 310-1480
FAX (512) 310-1417

San Antonio, Texas
(210) 656-0530
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STGWCD- HUPP Application - Part B – Well Information (one form per well)

1. Applicant Name: Axtell Water Supply Corporation			
2. Well Identifier or Well Name: Well No. 2			
3. System Name: Axtell Water Supply Corporation			
4. TCEQ System ID Number: 1550016			
5. If applicable, please attach a copy of the applicant's most recent water conservation plan and drought contingency plan prepared for TCEQ.			
6. TWDB ID Number: 3917703			
7. Aquifer(s) or formations in which the well is screened: Trinity-Hosston Formation			
8. Address of the property upon which the well is located: 207 North 5 th Street			
9. Well Location:	Latitude:	31.66 D	M S
	Longitude:	-96.96 D	M S
10. Identify any surface water, including lakes or rivers within 1,000 feet of the well: N/A			
11. Well or Driller's Log. Please attach a copy of the State Well Report and, if available, any geophysical logs for the well.			
12. Please attach a photograph of the well taken approximately 100 feet from the well.			
13. Please attach a copy of a recorded deed or other legal document verifying the applicant's ownership of the well. Disregard this requirement if the deed was sent with your Application for Interim Production Status and there has been no change.			
14. Year well drilled: 1990 Year well completed and operational: 1990			
15. Pump Information: Pump Make and Model:			
Pump power source: <input checked="" type="checkbox"/> Electric <input type="checkbox"/> Diesel <input type="checkbox"/> Natural Gas <input type="checkbox"/> Other			
Casing Material <input checked="" type="checkbox"/> Steel <input type="checkbox"/> PVC			
Size of well casing: 8 inches Inside diameter of column pipe: 4 inches			
16. The maximum rate at which water can be withdrawn from the well: 340 gpm			
17. Flow Meter Make and Model: Water Specialties			
Serial Number: 20061168-004		Meter Units: 100 gallons	
Meter reading end of 2008: Amount:	5,068,300	Units: gallons	Date: 12-31-08
Meter reading end of 2009: Amount:	44,592,400	Units: gallons	Date: 12-31-09

TWDB Groundwater Database Query Result

REPORTED WATER WELL DATA ON STATE WELL NUMBER = 3917703

Query for another State Well Number:

[Water Quality](#) | [Infrequent Constituent](#) | [Water Level](#) | [5 Day Water Level](#) | [Well Casing](#) | [Remarks](#) | [Scanned Images](#) |

*For a complete explanation, [click here to read the TWDB Groundwater Data System Data Dictionary.](#)

Field	Value	*Explanation
STATE WELL NUMBER	3917703	
COUNTY CODE	309	McLennan County, Texas
BASIN	12	Brazos River Basin
PREVIOUS WELL NUMBER		
LATITUDE	313955	DMS (in decimal degrees: 31.665278)
LAT DEC	31.665277	
LONGITUDE	965809	DMS (in decimal degrees: -96.969167)
LONG DEC	-96.969166	
OWNER 1	Axtell W.S.C.	
OWNER 2		
DRILLER 1	Watts Drilling Co.	
DRILLER 2		
SOURCE OF COORDINATES	0	
AQUIFER CODE	217HSTN	HOSSTON FORMATION
AQUIFER ID1	28	Trinity Aquifer
AQUIFER ID2		
AQUIFER ID3		
ELEVATION	549	feet
ELEVATION MEASUREMENT METHOD	M	Interpolated From Topo Map
ALPHA CODE	44000	TOWN OF AXTELL AXTELL WATER

		SUPPLY CORP.
DATE DRILLED	06121989	
WELL TYPE	W	Withdrawal of Water
WELL DEPTH	3200	feet
SOURCE OF DEPTH	D	Driller's Log
TYPE OF LIFT	S	Submersible Pump
TYPE OF POWER	E	Electric Motor
HORSEPOWER		
PRIMARY WATER USE	P	Public Supply
SECONDARY WATER USE		
TERTIARY WATER USE		
WATER LEVEL AVAILABLE	M	Click here for water level data
WATER QUALITY AVAILABLE	Y	Click here for water quality data
WELL LOGS AVAILABLE	D	
OTHER DATA AVAILABLE		
DATE COLLECTED OR UPDATED	07191994	
REPORTING AGENCY	01	TWDB or Predecessor Agency
WELL SCHEDULE IN FILE	Y	
CONSTRUCTION METHOD	H	Hydraulic Rotary
COMPLETION	P	Perforated or Slotted
CASING MATERIAL	S	Steel
SCREEN MATERIAL	S	Steel
GMA	8	
RWPA	G	
DISTRICTID	200708GX	

Groundwater Database Disclaimer

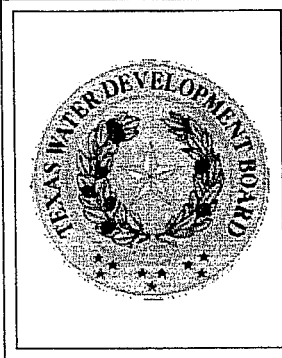
The Groundwater Database (GWDB) of the Texas Water Development Board (TWDB) contains information about more than 123,500 water well, spring, and oil/gas test sites in Texas including associated water level and water quality data. Because data collection methods and data maintenance have varied and evolved over the years, the information in the GWDB has a range of accuracy that the user needs to be aware of. See [Explanation of Groundwater Data](#) for information on the sources of information and level of accuracy in the document.

The TWDB is providing information via this Web site as a public service. Except where noted, all of the information provided is believed to be accurate and reliable; however, the Texas Water Development Board (TWDB) assumes no responsibility for any errors appearing in rules or otherwise. Further, TWDB assumes no responsibility for the use of the information provided. **PLEASE NOTE** that users of this Web site are responsible for checking the accuracy, completeness, currency and/or suitability of all information themselves. TWDB makes no guarantees or warranties as to the accuracy, completeness, currency, or suitability of the information provided via this Web site. TWDB specifically disclaims any and all liability for any claims or damages that may result from providing the Web site or the information it contains, including any Web sites maintained by third parties and linked to the TWDB Web site. TWDB makes no effort to verify independently, and does not exert editorial control over information on pages outside of the www.twdb.state.tx.us domain and its sub-domains. It is the user's responsibility to take precautions to ensure that whatever is selected is free of such items as viruses, worms, Trojan horses and other items of a destructive nature.

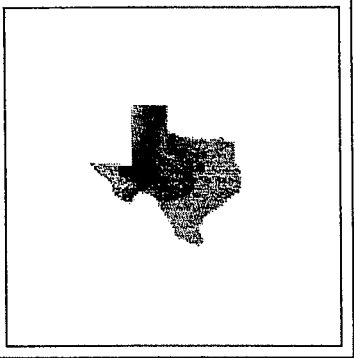
For additional information or answers to questions concerning the TWDB GWDB contact [David Thorkildsen](#) at (512) 936-0871 or [Janie Hopkins](#) at (512) 936-0841.

You can download Groundwater Database Reports in ASCII text files from this link. The files are organized by Texas counties.

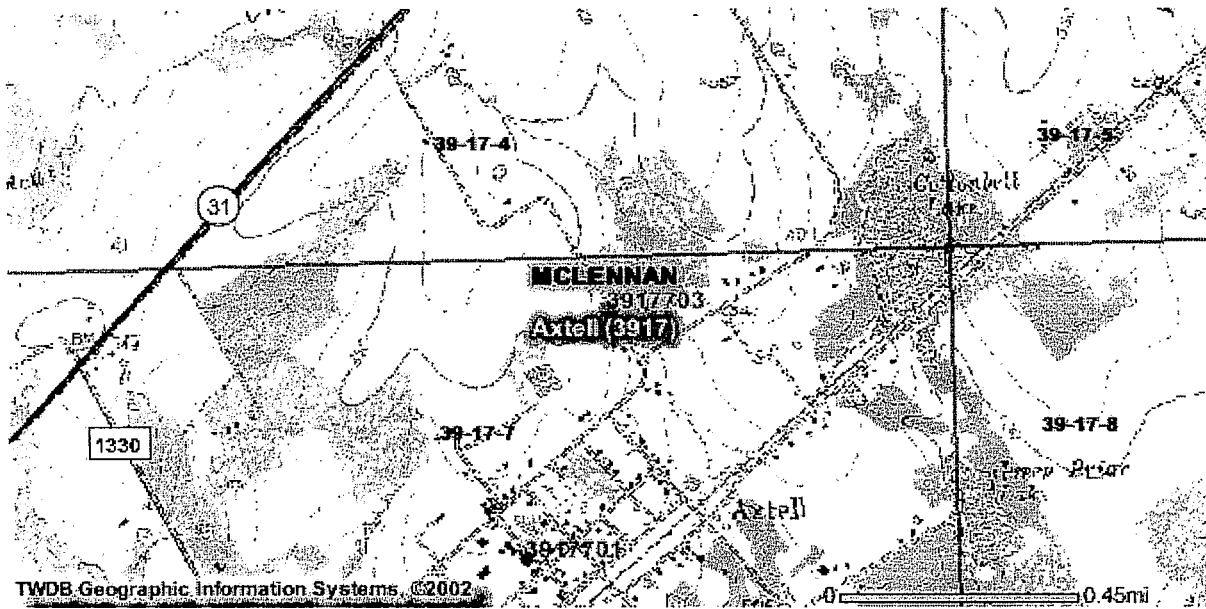
*This page is maintained by WIID Staff
Last updated on 1/29/2009 5:00:08 PM*



Texas Water Development Board
Water Information Integration & Dissemination System



Water Well Locations



Legend

- | | |
|-----------------------|-------------------|
| Highlighted Feature | Other State Roads |
| Selected Features | Interstate Hwy |
| TWDB Groundwater Data | US Hwy |
| State Hwy | 7.5' USGS Grid |
| FM & RM Roads | 2.5' State Grid |
| | Counties |

Texas Water Development Board
Well Schedule

State Well No. 39 17 703 Previous Well No. County McLennan 309
River Basin Brazos 112 Zone 3 Lat. 31 39 55 Long. 096 58 10 Source of Coord. 1
Owner's Well No. #2 Location 1/4, 1.4, Section, Block , Survey

Owner Axtell Water Supply Driller Watts Drilling Co.

Address P.O. Box 341 Axtell, Texas 76624 Tenant/Opnr.

Date Drilled 06 12 1989 Depth 3200 Source of Depth Datum D Altitude 549 Source of Alt. Datum M

Aquifer Hosston 217 #57N Well Type W User 44000

Well Const. Construction Method Rotary Casing Material Steel

Completion Perf. Screen Material Steel

Lift Data Pump Mfr. Type Subm No. Stages

Bowls Diam. in. Setting 700 ft. Column Diam. in.

Motor Mfr. Fuel or Power Elec Horsepower

Yield Flow GPM Pump GPM Meas. Rept. Est. Date

Performance Test Date Length of Test 36 hr. Production 245 GPM

Static Level ft. Pumping Level ft. Drawdown 125 ft. Sp.Cap. GPM/ft.

Quality (Remarks)

Water Use Primary PS Secondary Tertiary

Other Data Available Water Level Water Quality Logs Other Data

Date 07 07 1989 Meas. 390 - 00 below LSD

Water Levels Date Meas. -

Date Meas. -

Diam. (in.)	Setting (feet)	
	From	To
1	0	20
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		

Recorded By F. Bilberry Date Record Collected or Updated 01 15 1992 (20 max) Reporting Agency 07

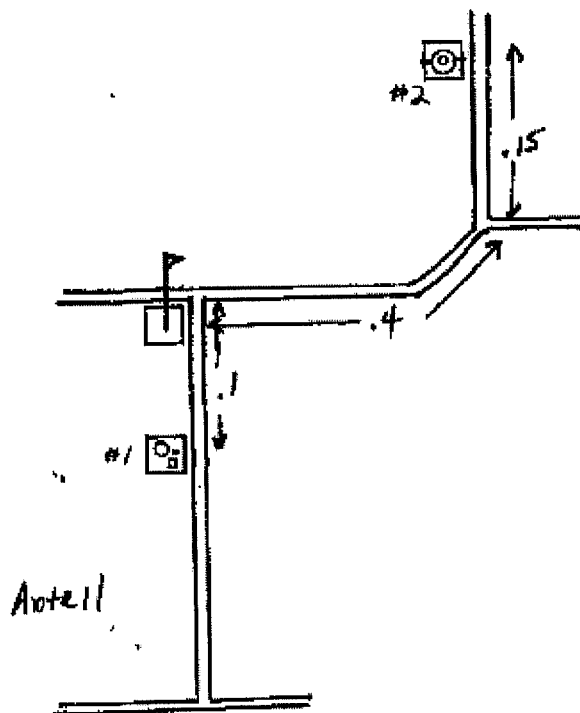
1	<u>Owner's Well #2</u>
2	
3	
4	
5	
6	

Aquifer Hosston
Well No. 39-17-703

21-0023
2-89

TEXAS DEPARTMENT OF WATER RESOURCES

BY _____ DATE _____ DIVISION _____ SHEET NO. _____ OF _____
CHKD _____ DATE _____ JOB NAME _____
JOB NO. _____ PROG. CODE _____



39-17-703

817-443-02

Please use black ink. Send original copy by certified mail to the Texas Water Commission P.O. Box 13087 Austin, Texas 78711

State of Texas
WATER WELL REPORT

Texas Water Well Drillers Board
P. O. Box 13087
Austin, Texas 78711

ATTENTION OWNER: Confidentiality Privilege Notice on Reverse Side

1) OWNER Axtell Water Supply Address P.O. Box 341 Axtell, Texas 76624
(Name) (Street or RFD) (City) (State) (Zip)

2) LOCATION OF WELL: County McLennan 1/2 miles in E direction from Axtell, Texas
(Town)

Driller must complete the legal description to the right with distance and direction from two intersecting section or survey lines, or he must locate and identify the well on an official Quarter- or Half-Section Texas County General Highway Map and attach the map to this form.

Legal description: Section No. _____ Block No. _____ Township _____
Abstract No. _____ Survey Name _____
Distance and direction from two intersecting section or survey lines _____

See attached map.

3) TYPE OF WORK (Check): New Well Deepening Reconditioning Plugging

4) PROPOSED USE (Check): Domestic Industrial Monitor Public Supply Irrigation Test Well Injection Other _____

5) DRILLING METHOD (Check): Driven Mud Rotary Air Hammer Jetted Bored Air Rotary Cable Tool Other _____

6) WELL LOG: Date Drilling: Started 6-1-89 Completed 6-12-89

DIAMETER OF HOLE			
Dis. (In.)	From (ft.)	To (ft.)	
22"	Surface	20'	
15"		3106	

7) BOREHOLE COMPLETION: Open Hole Straight Well Underreamed
 Gravel Packed Other _____
If Gravel Packed give interval ... from _____ ft. to _____ ft.

From (ft.)	To (ft.)	Description and color of formation material	8) CASING, BLANK PIPE, AND WELL SCREEN DATA:
0	4	Black dirt	
4	48	Clatche	
48	1130	Gray shale with lime strk	16" N Steel
1130	1610	Broken lime & gray shale	10" N Steel Perf?
1610	1650	Lime	10" N 2582' J55 TC
1650	1709	Gray shale	10" N 525 k-55 PEB
1709	1865	Broken lime & gray shale	
1865	1908	Gray shale & lime	
1908	2040	Sand & gray shale	
2040	2210	Gray shale & lime	
2210	2454	Lime & gray shale	
2454	2489	Lime	
2489	2550	Lime & slight gray shale	
2550	2582	Gray shale	
2582	2822	Sandy lime & gray shale	
2822	2853	Gray shale	
2853	2902	Sandy lime	
2902	2916	Red Bed	
2916	2998	Sandy lime	
2998	3012	Gray shale & lime	
3012	3080	Sand	
3080	3110	Gray shale & lime	
3110	3200	Clatche	

9) CEMENTING DATA [Rule 319.44(b)]
Cemented from 3106 ft. to surface ft. No. of Sacks Used 1290
20 ft. to surface ft. No. of Sacks Used 28
Method used Pressure cemented
Cemented by PUMPCO Services

10) SURFACE COMPLETION
 Specified Surface Slab Installed [Rule 319.44(c)]
 Pileup Adapter Used [Rule 319.44(d)]
 Approved Alternative Procedure Used [Rule 319.71]

11) WATER LEVEL:
Static level 390 ft. below land surface Date 7/7/89
Artesian flow _____ gpm. Date _____

12) PACKERS: Type _____ Depth _____

13) TYPE PUMP: Turbine Jet Submersible Cylinder
 Other _____
Depth to pump bowls, cylinder, jet, etc., 700 ft.

14) WELL TESTS:
Type Test: Pump Bailor Jetted Estimated
Yield: 245 gpm with 125 ft. drawdown after 36 hrs.

15) WATER QUALITY:
Did you knowingly penetrate any strata which contained undesirable water? Yes No
If yes, submit "REPORT OF UNDESIRABLE WATER"
Type of water? _____ Depth of strata _____
Was a chemical analysis made? Yes No

WQ FY07 EDT/PT/RRNT/PECS

TWDB Water Quality Field Data Sheet

SWMN: 39-17-703
 County: McLennan
 County Code: 309
 Aquifer Code: 317HSTN
 Aquifer Id: 28

Name: Arvell W.S.C.
 Address: P.O. Box 150
Arvell, TX 76824
 Attention: Tricia Low

Well Name or #:

CIRCLE EACH SAMPLE FRACTION COLLECTED:

1	2	3	4	5	6	7	8	9	10
40 ml filtered	250 ml filtered	500 ml filtered	500 ml filtered						
Atrazine	Carbon	Ammonia, Alk.	Nitrate						
100	(H2SO4)400								

All acidified samples pH < 2.0. (*) If natural pH < 7, then add NaOH until pH is 7. If natural pH is 7, no NaOH required.

Time In: 14:50

Time Out: 15:30

Water Level:

W.L. remark: 43

M.P. =

Pumping time: 14:55

Sampling Point: FAW

Well Use: P

FIELD G.P.S. readings

Lat: S

Latitude: 31° 39' 51.2"

Power: E

Longitude: 91° 58' 10.0"

Casing Type:

Casing Size:

Sample Time: 15:12

Filter pressure: hand pump line spring

Water Quality Stabilization Parameters Table (At least 3 readings @ 5 min. intervals)

Time	15:00	15:05	15:10						
pH	7.98	7.98	7.99						
Celsius Temp.	50.1	50.1	50.7						
Conductivity	1228	1228	1228						

Notes:

Newly Invented Well No

ID Number: 8001e
 Date: 10/10/06
 Sampler(s): H. Baum

Calibration Verification Readings

pH	7 = 7.01
	4 or 10 = 10.05
SLP = 911	7.38 =
Conductivity	500 = 513
	1000 = 998
	2000 = 1920
	5000 = 4850

Field Alkalinity Titration:

8.17	Start pH	4.48	End pH
50.0	ML Sample Size		
	ML Acid added for Phenol (> 8.3)		
21.0	ML Acid added for Total (to pH 4.5)		

NOTE: DO NOT USE FIELD FACTOR. mL Acid added x 20 = ALKALINITY

Phenol Alkalinity (eq/L): mg/L

Total Alkalinity (eq/L): 420 mg/L

INSTR. BROW CARTRIDGE LABEL FROM RESULTS:

Dissolved Solids temp:	<u>740</u>
Hardness (as CaCO3):	<u>23</u>
Bleed-through:	<u>P</u>

Check Name by Signature: (yes) / (no)

10/10/06



ENERGY LABORATORIES, INC. • 2393 Salt Creek Highway (82601) • P.O. Box 3258 • Casper, WY 82602
 Toll Free 888.235.0515 • 307.235.0515 • Fax 307.234.1639 • casper@energylab.com • www.energylab.com

LABORATORY ANALYTICAL REPORT

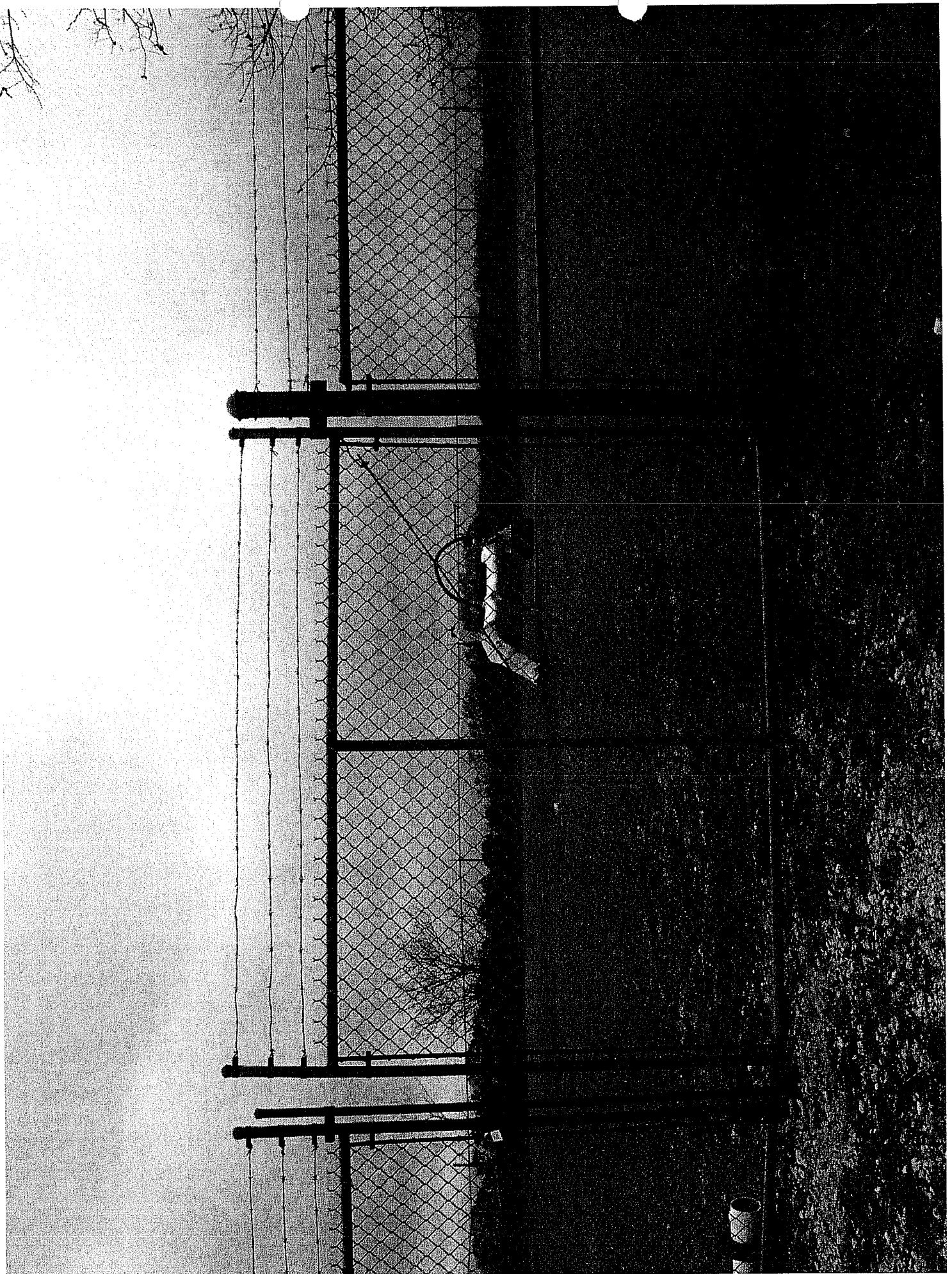
Client: Texas Water Development Board
 Project: TWDB
 Lab ID: C06100619-008
 Client Sample ID: 3917703 (8006)

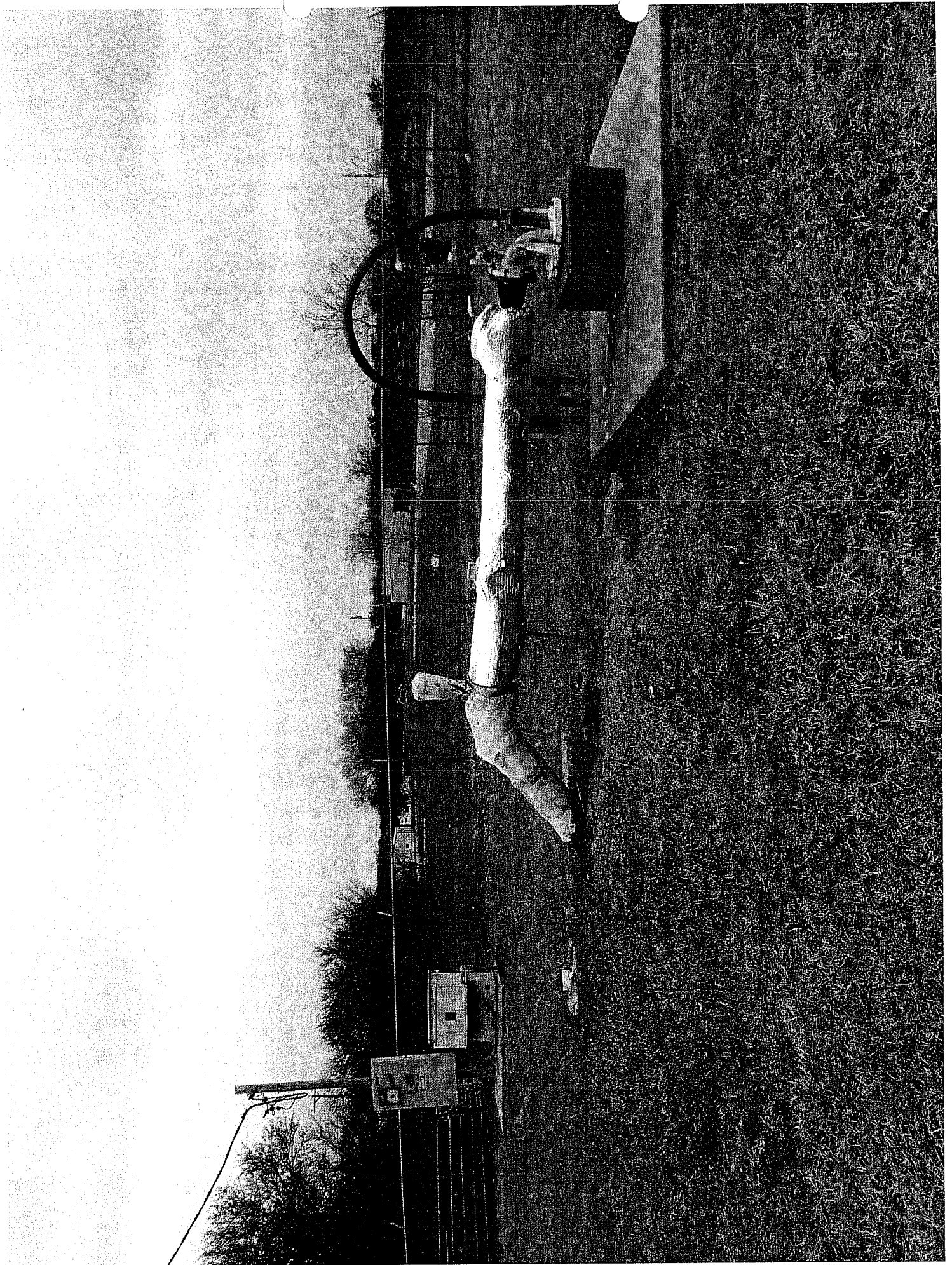
Report Date: 10/30/06
 Collection Date: 10/10/06 15:12
 Date Received: 10/12/06
 Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Alkalinity, Phenolphthalein as CaCO ₃	8	mg/L		1		A2320 B	10/19/06 19:01 / smd
Alkalinity, Total as CaCO ₃	420	mg/L		1		A2320 B	10/19/06 19:01 / smd
Bromide	ND	mg/L		0.50		E300.0	10/17/06 15:18 / bl
Calcium	8.2	mg/L		0.5		E200.7	10/23/06 17:31 / ts
Chloride	58	mg/L		1		A4500-ClB	10/13/06 15:07 / jl
Fluoride	2.5	mg/L		0.1		A4500-F C	10/25/06 14:12 / bmm
Magnesium	0.6	mg/L		0.5		E200.7	10/23/06 17:31 / ts
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	10/13/06 16:14 / jal
Potassium	2.9	mg/L		0.5		E200.7	10/23/06 17:31 / ts
Silica	21.0	mg/L		0.1		E200.7	10/23/06 17:31 / ts
Sodium	261	mg/L		0.5		E200.7	10/23/06 17:31 / ts
Sulfate	112	mg/L	D	6		A4500-SO4 E	10/13/06 12:02 / jal
METALS - DISSOLVED							
Aluminum	14	ug/L		1		E200.8	10/13/06 17:00 / bws
Antimony	ND	ug/L		1		E200.8	10/13/06 17:00 / bws
Arsenic	16	ug/L		1		E200.8	10/13/06 17:00 / bws
Barium	98	ug/L		1		E200.8	10/13/06 17:00 / bws
Beryllium	ND	ug/L		1		E200.8	10/13/06 17:00 / bws
Boron	642	ug/L		100		E200.7	10/23/06 17:31 / ts
Cadmium	ND	ug/L		1		E200.8	10/13/06 17:00 / bws
Chromium	2	ug/L		1		E200.8	10/13/06 17:00 / bws
Cobalt	ND	ug/L		1		E200.0	10/13/06 17:00 / bws
Copper	ND	ug/L		1		E200.8	10/13/06 17:00 / bws
Iron	43	ug/L		30		E200.7	10/23/06 17:31 / ts
Lead	ND	ug/L		1		E200.8	10/13/06 17:00 / bws
Lithium	71	ug/L		1		E200.8	10/13/06 17:00 / bws
Manganese	4	ug/L		1		E200.8	10/13/06 17:00 / bws
Molybdenum	4	ug/L		1		E200.8	10/13/06 17:00 / bws
Selenium	ND	ug/L		1		E200.8	10/13/06 17:00 / bws
Strontium	226	ug/L		1		E200.8	10/13/06 17:00 / bws
Thallium	ND	ug/L		1		E200.8	10/13/06 17:00 / bws
Vanadium	2	ug/L		1		E200.8	10/13/06 17:00 / bws
Zinc	19	ug/L		1		E200.8	10/13/06 17:00 / bws
DATA QUALITY							
A/C Balance (± %)	1.55	%				Calculation	10/24/06 15:46 / cp
Anions	12.4	meq/L				Calculation	10/24/06 15:46 / cp
Cations	12.0	meq/L				Calculation	10/24/06 15:46 / cp

Report: RL - Analyte reporting limit.
 Definitions: QCL - Quality control limit.
 D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
 ND - Not detected at the reporting limit.





K W UTILITIES
"THE WATER METER PEOPLE"

4793 FM 639
FROST, TEXAS 76641

PHONE - 254 678 1129
FAX - 254 678 9071

EMAIL - KWMETERS@MYWAY.COM

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"HUB" MEMBER OWNED BUSINESS

METER TESTING - REPAIR - SALES

DATE: March 24, 2009

TO: Axtell WSC

METER LOCATION: WELL #2

METER BRAND; WATER SPECIALITIES SIZE: 4"

TYPE: PROPELLER SERIAL: 2006 1168

START READING: 1129200 END READING: 1131000

CERTIFICATION OF CALIBRATION

This is to certify that the physical standards described below were, on this day, compared to the standards of the State of Texas which are directly traceable to standards of the National Bureau of Standards (NBS test numbers 39569, 40093, 179355, 225713) American Waterworks Test.


LOW FLOW: QUANTITY: ACCURACY:

MEDIUM FLOW: QUANTITY: ACCURACY:

HIGH FLOW: 390 QUANTITY: 1000 ACCURACY: 98.8%

COMMENTS: METER IN STANDARDS

TESTED BY:


Ken Whitsitt